

# **United Nations Convention to Combat Desertification**

**Performance Review and Assessment of Implementation System**

**4th Reporting and Review Cycle - 2010**

**Report for Cuba**

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## General Information Section

GENERAL INFORMATION ON THE REPORTING ENTITY	
Reporting country *	Cuba
Name and surname of the person submitting the report *	María Nery Urquiza
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# Performance Indicators

## C. Performance indicators

Performance indicators are for measuring progress against the five operational objectives of The Strategy, in line with decision 3/COP.8. The year 2008 (the first year of the Strategy) serves as the baseline year.

Affected country Parties are requested to report on the following fourteen performance indicators out of the eighteen consolidated performance indicators presented in ICCD/CRIC(8)/5/Add.1 and Add.2.

Reporting is guided by means of templates, one for each performance indicator. Within the templates, shaded areas contain information and explanatory texts and white areas are for reporting purposes and need to be filled in by affected country Parties with relevant quantitative data, selection of multiple choice boxes, or narrative information.

## Operational Objective 1: Advocacy, awareness raising and education

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### Performance indicator CONS-O-1 for Outcome 1.1

*Operational Objective 1: Advocacy, awareness raising and education*

*Performance indicator CONS-O-1 for Outcome 1.1*

*Number and size of information events organized on the subject of DLDD and/or DLDD synergies with climate change and biodiversity, and audience reached by media addressing DLDD and DLDD synergies.*

*Understanding of the indicator*

*At the national and local level, the indicator measures the performance of Convention-related communication strategies, in particular, whether DLDD issues and synergies are being communicated and if so, whether the communication is considered to be effective. Effectiveness is assessed through the appraisal of the media campaigns carried out; the assumption is that the stronger the media campaigns on DLDD issues and synergies, the higher the probability of passing the messages on to the target audience. The focus of the indicator is on information activities specifically dedicated to DLDD and/or DLDD synergies with climate change and biodiversity. Other reporting entities will complement the information provided by affected country Parties by reporting on Convention-related communication strategies at subregional, regional and global level.*

*Data needed*

*Information on events/media specifically addressing DLDD and/or DLDD synergies with climate change and biodiversity.*

*Attendance lists of events (meetings, workshops, seminars), programmes/projects' documents, estimate of target audience for major media events (campaigns, radio and television programmes, etc.).*

*Events organized and media produced by the UNCCD NFP or organized/produced by third parties not directly reporting to the Convention (TV channels, newspaper editors, etc.) shall be considered.*

*Data sources (indicative only)*

*International and national media (newspapers) advertising the events at national and local level, the Internet, the organizers of the events, programmes/projects' final reports.*

*Check the glossary for*

*'NFP', 'ICT', 'Information events', 'Media products', 'STIs', 'CSOs'*

*Media products have been grouped into: (a) Paper media products (articles, press releases, leaflets, flyers, brochures and comics, etc.); (b) radio and television programmes; (c) other ICT (websites, CDs, DVD, etc.).*

*Overall target*

*By 2018, 30 per cent of the global population is informed about DLDD and DLDD synergies with climate change and biodiversity*

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**Number of information events**

Year	Number of information events	Estimated number of participants in the information events
2008	98	530000
2009	180	635000
2010		
2011		
2012		
2013		
2014		
2015		
2016		
2017		
2018		

***Estimated number of persons reached by media products and by key stakeholders***

Media products have been grouped into: (a) Paper media products (articles, press releases, leaflets, flyers, brochures and comics, etc.); (b) radio and television programmes; (c) other ICT (websites, CDs, DVD, etc.).

Year	Stakeholder	Paper media products	Radio and TV	other ICT
2008	Public at Large	132900	295000	102100
	Civil society organizations			
	Science and technology institutions			
2009	Public at Large	158750	327550	148700
	Civil society organizations			
	Science and technology institutions			
2010	Public at Large			
	Civil society organizations			
	Science and technology institutions			
2011	Public at Large			
	Civil society organizations			
	Science and technology institutions			
2012	Public at Large			
	Civil society organizations			
	Science and technology institutions			
2013	Public at Large			
	Civil society organizations			
	Science and technology institutions			

2014	Public at Large			
	Civil society organizations			
	Science and technology institutions			
2015	Public at Large			
	Civil society organizations			
	Science and technology institutions			
2016	Public at Large			
	Civil society organizations			
	Science and technology institutions			
2017	Public at Large			
	Civil society organizations			
	Science and technology institutions			
2018	Public at Large			
	Civil society organizations			
	Science and technology institutions			

### **Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informe de la Oficina Nacional de Estadísticas 2008 y 2009**
- **Informe del Ministerio de Ciencia Tecnología y Medio Ambiente 2008 y 2009**
- **Departamento de Comunicación Social del Ministerio de Ciencia Tecnología y Medio Ambiente 2008 y 2009**

### **Attachments:**

none

### **National contribution to the target**

On the basis of the information you have provided above, estimate the proportion (%) of the population in your country which is informed about DLDD and DLDD synergies with climate change and biodiversity at the time of reporting?

Estimated share of total country population =

**10 %**

### **Qualitative assessment**

Is the information you have provided on communication processes part of a national communication strategy addressing environmental issues?

**Yes**

### **Performance indicator CONS-O-3 for Outcome 1.3**

*Operational Objective 1: Advocacy, awareness raising and education*

*Performance indicator CONS-O-3 for Outcome 1.3*

Number of CSOs and science and technology institutions participating in the Convention processes.

*Understanding of the indicator*

At the national level, the indicator measures the level of participation of civil society organizations (CSOs) and science and technology institutions (STIs) in DLDD-related programmes and projects. The indicator will outline whether the active involvement of these stakeholders in country-based initiatives increases over time and whether programmes/projects are valid tools for the engagement of, and receiving contributions from, CSOs and STIs at the field level. Other reporting entities will complement the information provided by affected country Parties by reporting on the involvement of CSOs and STIs at subregional, regional and global level; in particular, the secretariat and the GM will report on the involvement of CSOs and STIs at the institutional level.

*Data needed*

The specification of the organizations involved in the programmes/projects as reported in the PPSs.

*Data sources (indicative only)*

PPSs submitted to the UNCCD as part of the reporting exercise.

*Check the glossary for*

'STIs', 'CSOs', 'PPS', 'Convention processes'

*Overall target*

A steady growth in the participation of CSOs and science and technology institutions in the Convention processes is recorded along the implementation period of The Strategy.

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**In the PPSs you have specified the number of CSOs and the number of STIs involved in each programme/project. Add these numbers and give the totals by year in the table below.**

Year	Number of CSOs involved in DLDD-related programmes/projects	Number of STIs involved in DLDD-related programmes/projects
2008	10	80
2009	12	96
2010		
2011		
2012		
2013		
2014		
2015		
2016		
2017		
2018		

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**Sources of information**

Programme and project sheets (PPSs) submitted to UNCCD

No answer required

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**National contribution to the target**

At the time of reporting, is your government undertaking concrete initiatives to increase the participation of CSOs and STIs in DLDD-related programmes and projects?

**Yes**

**Qualitative assessment**

Specify the reasons for the increasing and/or decreasing trend of the participation of CSOs and STIs to DLDD-related programmes/projects. (tick as many boxes as necessary and rate the level of importance )

		Not important	Important	Very important
X	Increased networking and collaboration opportunities	X		
X	Increased access to information and to national and/or international financing opportunities		X	
X	Increased willingness of the government in working with CSOs		X	
	Increased interest of donors in working with CSOs			
	Strengthened organizational, project management and fund-raising capacity of CSOs			
	Increased funding opportunities requiring partnership with the STIs			
X	Strengthened organizational, project management and fund-raising capacity of the STIs		X	
	Other			

**Other (specify) (max 30 words)**

**No answer provided**

**Reasons for decreasing for CSOs**

		Not important	Important	Very important
X	Costly participatory processes		X	
	Low organizational, fund-raising and project management capacity of CSOs			
	Government policies and/or the legal environment do not foster the engagement of CSOs			
	Diminishing funding			
	Other			

**Other (specify) (max 30 words)**

**No answer provided**

**Reasons for decreasing for STIs**

		Not important	Important	Very important
	DLDD topics are not prioritized by national STIs			
X	Low organizational, fund-raising and project management capacity of STIs		X	
X	Decreased networking opportunities at national and international level		X	
	Diminishing funding			



**Other (specify) (max 30 words)****No answer provided****Performance indicator CONS-O-4 for Outcome 1.3***Operational Objective 1: Advocacy, awareness raising and education**Performance indicator CONS-O-4 for Outcome 1.3**Number and type of DLDD-related initiatives of CSOs and science and technology institutions in the field of education.**Understanding of the indicator*

*The indicator measures the number and type of DLDD-related initiatives undertaken by CSOs and STIs in the education sector at the national level. The assumption is that the higher the number of DLDD-related education initiatives undertaken by these stakeholders, the stronger their interest in addressing DLDD problems. A distinction is made between activities carried out in the formal education sector and in the non-formal education sector. This indicator focuses on “education” because “awareness” and “advocacy” are already measured through indicators CONS-O-1 and CONS-O-2, respectively. Other reporting entities will complement the information provided by affected country Parties by reporting on the involvement of CSOs and STIs at subregional, regional and global level.*

*Data needed*

*Information on initiatives undertaken in the field of education that may be found in: written communications by CSOs and STIs to the NFP; contractual and/or programme/project-related documents; records of academic bodies and their curricula.*

*Only initiatives in the field of education (formal and non-formal) directly relating to DLDD issues are to be considered.*

*Data sources (indicative only)*

*CSOs and STIs operating in the country.*

*Check the glossary for*

*‘CSOs’, ‘STIs’, ‘NFP’, ‘Formal education’, ‘Non-formal education’.*

*Overall target*

*A steady growth in the number of DLDD-related education initiatives undertaken by CSOs and science and technology institutions is recorded along the implementation period of The Strategy*

**Number of DLDD-related initiatives undertaken**

<b>Year</b>	<b>Number of DLDD-related initiatives undertaken by CSOs formal education</b>	<b>Number of DLDD-related initiatives undertaken by CSOs non-formal education</b>	<b>Number of DLDD-related initiatives undertaken by STIs formal education</b>	<b>Number of DLDD-related initiatives undertaken by STIs non-formal education</b>
2008			224	140
2009			338	157
2010				
2011				
2012				
2013				
2014				
2015				

2016			
2017			
2018			

### Sources of information

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Estrategia Nacional de Educación Ambiental, 1997 - 2009**

### Attachments:

none

### National contribution to the target

At the time of reporting, is your government undertaking concrete initiatives to increase the delivery of DLDD-related initiatives in the education sector by CSOs and STIs?

**Yes**

### Qualitative assessment

Specify the reasons for the increasing and/or decreasing trend of DLDD-related education initiatives undertaken by CSOs and STIs.

(tick as many boxes as necessary and rate the level of importance)

	Not important	Important	Very important
Increased access to funding			
X Increased awareness of DLDD-related problems and of the need for action		X	
X Increased knowledge of DLDD-related topics and enhanced skills of trainers/teachers		X	
X Government policies are more supportive of education initiatives		X	
International donors are more supportive of education-focussed initiatives.			
Other			

**Other (specify) (max 30 words)**

**No answer provided**

### Reasons for decreasing for CSOs

	Not important	Important	Very important
Lack of financial resources			
Insufficient awareness and knowledge by national CSOs of DLDD-related issues			
Limited capillary presence of national CSOs at the grass-root level			
Other			

**Other (specify) (max 30 words)**

**No answer provided**

**Reasons for decreasing for STIs**

	<b>Not important</b>	<b>Important</b>	<b>Very important</b>
Lack of financial resources			
National STIs are more focussed on research activities than on education and training			
Other			

**Other (specify) (max 30 words)**

**No answer provided**

## Operational Objective 2: Policy framework

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### Performance indicator CONS-O-5 for Outcomes 2.1, 2.2 and 2.3

*Operational Objective 2: Policy framework*

*Performance indicator CONS-O-5 for Outcomes 2.1, 2.2 and 2.3*

*Number of affected country Parties, subregional and regional entities to have finalized the formulation/revision of NAPs/SRAPs/RAPs aligned to The Strategy, taking into account biophysical and socio-economic information, national planning and policies, and integration into investment frameworks.*

*Understanding of the indicator*

*At the national level, the indicator measures the performance of affected country Parties in formulating or revising their NAPs in alignment with The Strategy. While providing information on this process, the indicator also outlines whether: (a) the analysis of DLDD drivers, barriers to possible solutions, and measures that may eventually overcome these barriers, has been carried out; (b) the alignment process has been supported by biophysical and socio-economic baseline information; (c) the action programmes have been included in integrated investment frameworks; and (d) the action programmes have been integrated with other existing national plans and policies. The indicator will inform on the extent to which Parties have responded to decision 3/COP.8, paragraph 45, and on the feasibility of assessing the progress of The Strategy over its implementation period (2008–2018). Subregional and regional reporting entities will complement the information provided by affected country Parties by reporting on formulation or revision of SRAPs and RAPs in alignment with The Strategy.*

*Data needed*

*UNCCD NAP. Only a NAP formally approved by the relevant governmental authorities is to be considered as 'finalized'. Other relevant planning documents.*

*Data sources (indicative only)*

*UNCCD NFP.*

*Check the glossary for*

*'Finalized', 'NAP', 'NFP', 'driver', 'barrier', 'integrated investment framework', 'baseline'*

*Overall target*

*By 2014, at least 80 per cent of affected country Parties, subregional and regional entities have formulated/revise a NAP/SRAP/RAP aligned to The Strategy.*

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### **NAP Adoption and Revision**

Had your country already adopted a NAP prior to The Strategy?

**Yes**

**If yes, has your country revised the NAP in alignment with The Strategy?**

**Yes**

**If you have revised the NAP in alignment with The Strategy, specify the date of its approval.**

**30/06/2008**

**If you have not revised the NAP in alignment with The Strategy, specify why the process was not initiated. (tick as many boxes as necessary and rate the level of importance)**

	Not important	Important	Very Important
Not a priority for the government			
Lack of capacities			
Lack of financial resources			

Understaffing			
Lack of time			
Poor internal coordination among relevant ministries			
Other			

**Other (specify) (max 30 words)**

**No answer provided**

**If your country had no NAP adopted prior to The Strategy, have you formulated an aligned NAP after The Strategy's adoption in 2008?**

**No answer provided**

**If yes, specify the date of its approval.**

**No answer provided**

**If at the time of reporting you have not formulated a NAP aligned to The Strategy specify why the process was not initiated. (tick as many boxes as necessary and rate the level of importance)**

	Not important	Important	Very Important
Not a priority for the government			
Lack of capacities			
Lack of financial resources			
Understaffing			
Lack of time			
Poor internal coordination among relevant ministries			
Other			

**Other (specify) (max 30 words)**

**No answer provided**

**The questions below apply only to those countries having a NAP aligned to The Strategy**

If you have a NAP, is it supported by biophysical and socio-economic baseline information?

**Yes**

**If you have a NAP, does it assess DLDD drivers?**

**Yes**

**If you have a NAP, does it assess the barriers to sustainable land management?**

**Yes**

**If yes, does the NAP include recommendations to remove these barriers?**

**Yes**

**If you have a NAP, has it been included into an integrated investment framework?**

**No**

**If you have a NAP, has it been integrated into national development planning and relevant sectoral and investment plans and policies?**

**Yes**

**If yes, has the NAP been integrated into your country's Poverty Reduction Strategy Paper?**

**No**

**Did you refer to the Guidelines on the alignment of action programmes with The Strategy as proposed in ICCD/COP(9)/2/Add.1 while developing or reviewing your action plan?**

No

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**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Programa de Asociación de País en Apoyo al Programa de Lucha contra la desertificación y la Sequía. CITMA, 2008**
- **2008**

**Attachments:**

- Asociación de Paises pag 1-140.pdf
- Asociación de Paises pag 141-223.pdf
- Portada.pdf

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**National contribution to the target**

If you do not have an approved NAP aligned to The Strategy at the time of reporting, when do you plan to have it developed and approved?

**No answer provided**

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**Qualitative assessment**

Has the formulation and/or alignment of the NAP been supported by external assistance?

**Yes**

**If yes, did you receive assistance from one or more of the following institutions? (more than one box can be ticked)**

- **Secretariat**
- **GM**
- **GEF**
- **Multilateral (UN agencies, IGOs, international financing institutions, etc.)**

**If yes, which type of assistance did you receive?**

**Capacity Building**

**Identify the major difficulties experienced in the formulation/alignment process (tick as many boxes as necessary and rate the level of importance).**

		Not important	Important	Very Important
	Not a priority for the government			
	Poor availability of biophysical and socio- economic baseline information			
X	Existing investment frameworks are not fully compatible with the NAP			
	Streamlining the NAP into existing plans and policies is too time-consuming			
	Other			

**Other (specify) (max 30 words)**

**No answer provided**

## Performance indicator CONS-O-7 for Outcome 2.5

*Operational Objective 2: Policy framework*

*Performance indicator CONS-O-7 for Outcome 2.5*

*Number of initiatives for synergistic planning/programming of the three Rio Conventions or mechanisms for joint implementation, at all levels.*

*Understanding of the indicator*

*The indicator measures the existence of synergistic processes through the number of instruments (i.e. joint planning/programming and/or operational mechanisms) in place at the national level which foster the introduction of or strengthen the mutually reinforcing measures among the three Rio Conventions. The assumption is that the higher the number of enabling instruments in place, the higher the possibility of achieving synergies in implementation. This information will be complemented by the reporting of other reporting entities on synergistic processes at the subregional, regional and global level.*

*Data needed*

*Planning/programming documents and legislative/regulatory documents.*

*Only operational mechanisms which have the achievement of joint implementation, synergies, convergence, and the introduction or strengthening of reinforcing measures among the Rio Conventions clearly stated in their objectives shall be considered under this indicator.*

*Data sources (indicative only)*

*Relevant national ministries.*

*Check the glossary for*

*“Joint planning/programming initiatives”, “Operational mechanisms for joint implementation or mutual reinforcement”*

*For an indicative list of activities by Parties to promote synergies among the Rio Conventions, refer to [target=' blank'>UNEP/CBD/COP/DC/IX/16, Annex II](#)*

*Overall target*

*By 2014, each affected country Party has either one joint national plan in place or functional mechanism(s) to ensure synergies among the three Rio Conventions*

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**Are you implementing joint planning/programming initiatives for the three Rio Conventions?**

**Yes**

**If yes, specify the type of joint initiative(s) (tick as many boxes as necessary)**

- **Review of national plans and identification of gaps in synergies**
- **Identification of sectors and policies that could benefit from synergies and cooperation**
- **Enhancement of the institutional and scientific capacity of relevant stakeholders as well as of their awareness**

**Other (specify) (max 30 words)**

**No answer provided**

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**Do operational mechanisms for joint implementation or mutual reinforcement exist in your country?**

**Yes**

**If yes, specify the type of mechanism(s) (tick as many boxes as necessary)**

- **Other**

**Other (specify) (max 30 words)**

**Celebración de reuniones y actividades conjuntas e intercambios de información.**

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**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informes de talleres territoriales e informes parciales del Proyecto " Autoevaluacion nacional de las capacidades de Gestion Ambiental Global - Cuba - NCSA 2008 y 2009**

**Attachments:**

none

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**National contribution to the target**

If your country is not implementing joint planning/programming or does not have operational mechanisms in place at the time of reporting, when do you plan to have something ensuring synergies in place?

**No answer provided**

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**Qualitative assessment**

Has the establishment of synergistic processes for joint implementation of the Rio Conventions at national level been supported by the institutions of the Rio Conventions?

**Yes**

**If yes, by which Convention? (more than one box can be ticked)**

- **UNCCD**

**Identify the major difficulties experienced to establish synergistic planning/programming or mechanisms for joint implementation (tick as many boxes as necessary and rate the level of importance).**

		Not important	Important	Very Important
	Not a priority for the government			
	Lack of capacities			
X	Lack of financial resources			
	Understaffing			
	Lack of time			
X	Poor internal coordination among relevant ministries			
	Other			

**Other (specify) (max 30 words)**

**No answer provided**



## Operational Objective 3: Science, technology and knowledge

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### Performance indicator CONS-O-8 for Outcomes 3.1 and 3.2

*Operational Objective 3: Science, technology and knowledge*

*Performance indicator CONS-O-8 for Outcomes 3.1 and 3.2*

*Number of affected country Parties, subregional and regional entities to have established and supported a national/subregional /regional monitoring system for DLDD.*

*Understanding of the indicator*

*At the national level, the indicator measures the monitoring potential of the country by quantifying the number of monitoring systems established and supported. These monitoring systems may be specifically or partially (in the case of environmental monitoring systems) dedicated to UNCCD reporting. The indicator will inform on the extent to which it is realistic to expect more regular and coherent reporting by affected country Parties during the implementation of The Strategy and beyond. This information will be complemented by the reporting of other reporting entities on UNCCD-relevant monitoring systems established and supported at the subregional, regional and global level.*

*Data needed*

*Information on monitoring systems established within the national Ministries or other bodies/institutions.*

*Programmes/projects' documents, fiches and summary sheets, programmes/projects' interim or final reports.*

*Only those monitoring systems storing all or most of the information needed for reporting to the UNCCD shall be considered.*

*Data sources (indicative only)*

*Relevant national ministries, programme/project management units, other non-governmental initiatives.*

*Check the glossary for*

*'monitoring system', 'vulnerability'*

*Overall target*

*By 2018, at least 60 per cent of affected country Parties, subregional and regional reporting entities have established and supported national monitoring systems for DLDD*

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**Is a monitoring system for DLDD established at the national level?**

**Yes**

**If yes, specify whether this system is: Functional**

**Yes**

**If yes, specify whether this system is: Regularly Updated**

**Yes**

**If no DLDD-specific monitoring system is in place, is an environmental monitoring system partially covering DLDD established at the national level?**

**No answer provided**

**List any monitoring system available at the sub- national level that can contribute to the UNCCD reporting (add as many rows as necessary).**

- Sistema Nacional de Prevención y Combate de Incendios Forestales (Cuerpo de Guardabosques)
- Defensa Civil Nacional Vulnerabilidad y Riesgos de Desastres
- Estudios de PVR (Agencia de Medio Ambiente)
- Sistema Nacional de Areas Protegidas (Ministerio de Ciencia Tecnologia y Medio Ambiente)
- Sistema Nacional de control de calidad del agua (Instituto Nacional de Recursos Hidráulicos)
- Sistema Nacional de Sanidad Vegetal y Animal (Ministerio de la Agricultura)
- Sistema Nacional de Vigilancia del Clima y sus Sistemas de Alerta Temprana contra la Sequía

**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informes territoriales y temáticos elaborados en ocasión del levantamiento de información para el IV reporte a la UNCCD**

**Attachments:**

none

Question marked as 'No answer'.

**National contribution to the target**

If your country does not have a national monitoring system partially or totally dedicated to DLDD in place at the time of reporting, do you plan to initiate one?

**No answer provided**

**If yes, when?**

**No answer provided**

**Qualitative assessment**

For those countries not having a national monitoring system totally or partially dedicated to DLDD, identify the major difficulties experienced in the establishment process (tick as many boxes as necessary and rate the level of importance).

	Not important	Important	Very important
Financial constraints			
Lack of capacities			
Human resources constraints			
Lack of coordination among relevant ministries and unclear attribution of responsibilities			
Lack of coordination among donor-led programme/project interventions			
Existing initiatives are too fragmented; cannot be realistically coordinated under one umbrella.			
Existing national and/or sub-national monitoring systems use different methodologies and cannot be realistically harmonised			
X Other			

**Other (specify) (max 30 words)**

**No se dispone de un sistema de monitoreo de los suelos robusto y actualizado**

**For those countries having a national monitoring system totally or partially dedicated to DLDD, how is the system maintained? (tick as many boxes as necessary and rate the level of importance)**

	Not important	Important	Very important
X By means of national resources			X
By means of external support			
No maintenance is possible due to limited professional capacities			

X	No maintenance is possible due to limited financial resources			X
X	Other			

**Other (specify) (max 30 words)**

**No answer provided**

## **Performance indicator CONS-O-9 for Outcome 3.1 and 3.2**

*Operational Objective 3: Science, technology and knowledge*

*Performance indicator CONS-O-9 for Outcome 3.1 and 3.2*

*Number of affected country Parties, subregional and regional entities reporting to the Convention along revised reporting guidelines on the basis of agreed indicators*

*Understanding of the indicator*

*The indicator measures the use of biophysical and socio-economic information at the national level in defining a commonly agreed core set of impact indicators for the UNCCD and in monitoring progress against these indicators using harmonized methodologies.*

*The indicator will inform to what extent it is possible to compile a comparable and global assessment of UNCCD impact.*

*Subregional and regional reporting entities will complement the information provided by affected country Parties by reporting on the use of impact indicators at the subregional and regional levels, if and when impact indicators for these levels will be commonly agreed upon by the Conference of the Parties.*

*Data needed*

*Reports to the UNCCD by affected country Parties in 2012 and 2016.*

*The information to report on this indicator will be compiled by affected country Parties every four years when reporting on the strategic objectives that require biophysical and socio-economic information (i.e. SO1, SO2 and SO3). Reporting on this indicator is due in 2012 and in 2016 only.*

*Data sources (indicative only)*

*UNCCD NFP.*

*Check the glossary for*

*'NFP'*

*Overall target*

*By 2018, at least 90 per cent of affected country Parties, subregional and regional reporting entities report to the Convention in compliance with the new reporting guidelines.*

***Has your country reported on the two impact indicators considered by decision 13/COP.9 to be the minimum reporting requirement?***

*No answer required for this indicator in the 2010 reporting cycle*

***Number of impact indicators for strategic objectives 1, 2 and 3 your country has reported on in 2012 and 2016***

*2012*

*No answer required for this indicator in the 2010 reporting cycle*

***2016***

*No answer required for this indicator in the 2010 reporting cycle*

***While reporting on impact indicators, did you refer to the reporting guidelines, i.e. using the common baselines and methodologies defined by the CST?***

*No answer required for this indicator in the 2010 reporting cycle*

***Sources of information***

Specify the sources used to extract the information provided above (add as many rows information as necessary). If reporting online, you may also upload relevant documents.

*No answer required for this indicator in the 2010 reporting cycle*

---

### **National contribution to the target**

If in 2012 your country has not reported on some or all of the impact indicators for the UNCCD, when do you plan to do so?

*No answer required for this indicator in the 2010 reporting cycle*

**If in 2012 your country has not complied with the reporting guidelines, i.e. using the common baselines and methodologies defined by the CST, when do you plan to do so?**

*No answer required for this indicator in the 2010 reporting cycle*

---

### **Qualitative assessment**

Identify the major difficulties experienced in reporting against the impact indicators:

*No answer required for this indicator in the 2010 reporting cycle*

### **Other (specify) (max 30 words)**

*No answer required for this indicator in the 2010 reporting cycle*

---

## **Performance indicator CONS-O-10 for Outcome 3.3 and 3.4**

*Operational Objective 3: Science, technology and knowledge*

*Performance indicator CONS-O-10 for Outcome 3.3 and 3.4*

*Number of revised NAPs/SRAPs/RAPs reflecting knowledge of DLDD drivers and their interactions, and of the interaction of DLDD with climate change and biodiversity.*

*Understanding of the indicator*

*The indicator measures knowledge-transfer processes from the theoretical to the operational level. This is done through an assessment carried out by affected country Parties (self-assessment) of the levels of traditional and scientific knowledge reflected in their NAPs. The assumption is that NAPs based on sound scientific and traditional knowledge will propose more significant and effective strategies and activities for implementation at the national level, and will, ultimately, perform better than those NAPs that do not take into account available knowledge on DLDD and DLDD synergies. The indicator will inform to what extent UNCCD implementation is likely to achieve meaningful results. Subregional and regional reporting entities will complement the information provided by affected country Parties by reporting on the assessment of their SRAPs and RAPs.*

*Data needed*

*NAP aligned to The Strategy.*

*Scientific literature consulted for the development of the NAP.*

*Data sources (indicative only)*

*UNCCD NFP.*

*Check the glossary for*

*'NAP', 'NFP', 'driver'*

*Countries not having a NAP or not having aligned their NAP to The Strategy do not report on this indicator.*

*The below questions are meant to guide the country's self-assessment of its aligned NAP.*

*Overall target*

*By 2018, at least 70 per cent of revised NAPs/SRAPs/RAPs have successfully gone through a quality self-assessment.*

---

**Countries not having a NAP or not having aligned their NAP to The Strategy do not report on this indicator.**

The below questions are meant to guide the country's self-assessment of its aligned NAP.

In your NAP, is the identification of biophysical and socio-economic drivers, and of their interaction, knowledge-based?

Yes

*If yes, specify upon which type of knowledge it is based (tick as many boxes as necessary and rate the level of importance).*

- Expert knowledge
- Traditional knowledge

*If based on scientific literature, list the main reference literature consulted (add as many rows as needed). If reporting online, you may also upload relevant documents.*

**No answer provided**

*In your NAP, is the analysis of the interaction between drought mitigation and restoration of degraded land and climate change mitigation/ adaptation or biodiversity conservation knowledge-based?*

Yes

*If yes, specify upon which type of knowledge it is based (tick as many boxes as necessary and rate the level of importance).*

- Expert knowledge
- Traditional knowledge

*If based on scientific literature, list the main reference literature consulted (add as many rows as needed). If reporting online, you may also upload relevant documents.*

**No answer provided**

*Is drought mitigation analyzed and/or reflected in some of the actions outlined in the NAP?*

Yes

**Attachments:**

none

---

### **Sources of information**

Specify the sources used to extract the information provided above:

UNCCD National Action Programme.

*No answer required*

---

### **National contribution to the target**

If in your NAP, DLDD drivers, their interactions, and the interaction of DLDD with climate change and biodiversity, are not analyzed on the basis of relevant scientific, expert and/or traditional knowledge, such that the self-assessment process is not fully successful, when do you expect to adjust your NAP so that it can successfully go through the self-assessment?

**No answer provided**

---

### **Qualitative assessment**

If your NAP has not been developed taking into account relevant scientific and/or traditional knowledge, identify the reasons (tick as many boxes as necessary and rate the level of importance).

	Not important	Important	Very important
Relevant scientific literature is not available			
Relevant traditional or expert knowledge is not available			
Lack of financial resources to mobilise the necessary knowledge			

Poor coordination among the relevant ministries prevented an internal pooling of knowledge/expertise			
Relevant ministries could not contribute due to lack of time			
Relevant ministries could not contribute due to lack of staff			
Other			

**Other (specify) (max 30 words)**

**No answer provided**

## Performance indicator CONS-O-11 for Outcome 3.5

*Operational Objective 3: Science, technology and knowledge*

*Performance indicator CONS-O-11 for Outcome 3.5*

*Type, number and users of DLDD-relevant knowledge-sharing systems at the global, regional, subregional and national levels described on the Convention website.*

*Understanding of the indicator*

*The indicator measures the presence at the national level of DLDD-related knowledge-sharing processes, through the quantification of the type and number of existing knowledge-sharing systems. Effectiveness of these systems is measured through quantification of their user-base. The indicator will inform to what extent scientific and traditional knowledge, including best practices, are available to and sufficiently shared with end-users. This information will be complemented by the reporting of other reporting entities on existing UNCCD-relevant knowledge-sharing systems at the subregional, regional and global level.*

*Data needed*

*Information from websites.*

*Only DLDD-relevant knowledge-sharing systems and networks shall be considered.*

*Data sources (indicative only)*

*Relevant organizations at the national level, relevant national ministries hosting knowledge-sharing systems and networks within their websites.*

*Check the glossary for*

*'knowledge-sharing system', 'PRAIS'*

**List any DLDD-relevant 'knowledge-sharing system' at the country level you are aware of, providing an Internet link and estimated number of users per year (add as many rows as necessary)**

**Name of the System**

**DESERCUBA. Sitio Web de apoyo al Programa Nacional de Lucha contra la Desertificación y la Sequía**

**Internet Link**

**<http://www.educambiente.co.cu/Desercuba/>**

**Estimated number of users per year**

**300000**

***Name of the System***

**Comunidad Virtual Geografía**

***Internet Link***

**<http://cv-geografia.redciencia.cu/>**

***Estimated number of users per year***

**300000**

***Name of the System***

**Repositorio Digital Seminario Meso América. Proyecto LADA- CUBA/FAO/GEF (Dspace)**

***Internet Link***

**<http://169.158.177.130:8180/jspui/>**

***Estimated number of users per year***

**300000**

***Name of the System***

**Repositorio Digital Manejo Sostenible de Tierras (E-Print)**

***Internet Link***

**<http://mst.idict.cu/>**

***Estimated number of users per year***

**300000**

## Operational Objective 4: Capacity building

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### Performance indicator CONS-O-13 for Outcomes 4.1 and 4.2

#### *Operational Objective 4: Capacity building*

#### *Performance indicator CONS-O-13 for Outcomes 4.1 and 4.2*

*Number of countries, subregional and regional reporting entities engaged in building capacity to combat DLDD on the basis of NCSA or other methodologies and instruments*

#### *Understanding of the indicator*

*At the national level the indicator measures the presence of capacity-building processes through the quantification of existing major capacity-building initiatives. The indicator will inform to what extent affected country Parties may be expected to meet their obligations foreseen by the Convention, including forthcoming ones (i.e. new reporting requirements, establishment of environmental monitoring systems, accessing new financing mechanisms). This information will be complemented by the reporting of other reporting entities on existing UNCCD-related capacity-building initiatives at the subregional, regional and global level.*

#### *Data needed*

*Information on DLDD-related capacity building initiatives.*

*Only major capacity-building plans/programmes/projects mentioned in the PPSs are to be considered.*

#### *Data sources (indicative only)*

*PPSs submitted to UNCCD as part of the reporting exercise*

*Programmes/projects' documents, fiches and summary sheets, interim or final reports of those programmes and projects identified through the PPSs as having DLDD-related capacity-building as a major objective.*

#### *Check the glossary for*

*'NCSA', 'PPS'*

#### *Overall target*

*By 2014, at least 90 per cent of affected country Parties, sub-regional and regional reporting entities implement DLDD specific capacity building plans or programs or projects.*

---

### **Number of DLDD-related capacity building initiatives undertaken**

Identify, if any, relevant programmes and projects through the PPSs and check corresponding programmes/projects' documents, fiches and summary sheets, and interim or final reports, to extract the information needed for completing the table below

<b>Year</b>	<b>NCSA-generated</b>	<b>Other initiatives</b>
2008	1	2
2009	3	5
2010		
2011		
2012		
2013		
2014		
2015		
2016		



2017		
2018		

**Has your country assessed DLDD-related capacity building needs at the national level?**

Yes

**If yes, within the framework of which initiative?**

- NCSA
- Other

**Other (specify) (max 30 words)**

Programa de Asociación de País en Apoyo al Programa de Lucha contra la desertificación y la Sequía

**If yes, do you have assessed the necessary resources for addressing capacity building needs?**

Yes

**Are these resource requirements included into an investment framework?**

Yes

---

### **Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informes territoriales (3) y parciales (1) del Proyecto CNSA Autoevaluación de Capacidades Nacionales para la Gestión de las Convenciones Ambientales**
- **Programa de Asociación de País en Apoyo al Programa de Lucha contra la desertificación y la Sequía.**

**Attachments:**

none

---

**Question marked as 'No answer'.**

### **National contribution to the target**

If at the time of reporting there are no DLDD-specific capacity building plans, programmes or projects implemented in your country, when do you plan to have something in place?

**No answer provided**

---

### **Qualitative assessment**

Have you received assistance from one or more of the following institutions to build capacities to combat DLDD? (more than one box can be ticked)

- secretariat
- GM
- GEF
- Multilateral (UN agencies, IGOs, international financing institutions, etc.)

**If yes, which type of assistance have you received?**

- Technical support
- Financial support

## Operational Objective 5: Financing and technology transfer

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### Performance indicator CONS-O-14 for Outcome 5.1

*Operational Objective 5: Financing and technology transfer*

*Performance indicator CONS-O-14 for Outcome 5.1*

*Number of affected country Parties, subregional and regional entities whose investment frameworks, established within the IFS devised by the GM or within other integrated financing strategies, reflect leveraging national, bilateral and multilateral resources for combating desertification and land degradation.*

*Understanding of the indicator*

*At the national level, the indicator measures the presence of integrated financing processes allowing the leverage of national, bilateral and multilateral resources for combating desertification and land degradation, through the quantification of investment frameworks developed by country Parties within the IFS devised by the GM or other integrated financing strategies promoted by diverse international institutions. This information will be complemented by the reporting of other reporting entities on the establishment of integrated investment frameworks at national, subregional and regional level.*

*Data needed*

*Investment frameworks documents.*

*Only investment frameworks prepared along the guidelines devised within integrated financing strategies shall be considered.*

*Data sources (indicative only)*

*Relevant national ministries.*

*Check the glossary for*

*'IFS', 'NAP' 'leveraging', 'integrated investment framework'*

*Overall target*

*By 2014, at least 50 per cent of affected country Parties, subregional and regional entities have developed integrated investment frameworks.*

---

**Has your country developed an integrated investment framework?**

**Yes**

**If yes, specify when it was developed.**

**30/06/2008**

**The questions below apply only to those countries which have an integrated investment framework.**

Is your integrated investment framework based on the NAP?

**Yes**

**If based on the NAP, who assisted in its development?**

- **GM**
- **GEF**
- **Multilateral (UN agencies, IGOs, international financing institutions, etc.)**
- **Other**

**Other (specify) (max 30 words)**

**El Gobierno de Cuba**

**If assisted, which type of assistance did you receive?**

- **Technical support**
- **Financial support**
- **Capacity building**

**If assisted by the GM, was it devised within the IFS?**

No

**If your country has an integrated investment framework based on the NAP, is this framework concretely allowing the leverage of national, bilateral and multilateral resources for combating DLDD?**

Yes

---

### Sources of information

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- Programa de Asociación de País en Apoyo al Programa de Lucha contra la desertificación y la Sequía; Ciudad de La Habana 2008
- Programa de Mejoramiento y Conservación de Suelos; Programa Forestal Nacional; Programa Hidráulico Nacional. Plan de la Economía Nacional 2008 y 2009

**Attachments:**

none

---

Question marked as 'No answer'.

### National contribution to the target

If your country has not developed an integrated investment framework at the time of reporting, do you plan to do it?

**No answer provided**

**If yes, when?**

**No answer provided**

---

### Qualitative assessment

Identify the major difficulties experienced in developing an integrated investment framework (tick as many boxes as necessary and rate the level of importance).

		Not important	Important	Very Important
X	Financial constraints			
	Human resources constraints			
X	Lack of coordination among relevant ministries and unclear attribution of responsibilities			
	Lack of coordination among those providing support			
	National, bilateral and multilateral resources are too diverse; cannot be realistically coordinated under one umbrella.			
	Other			

**Other (specify) (max 30 words)**

---

## Performance indicator CONS-O-16 for Outcome 5.2

*Operational Objective 5: Financing and technology transfer*

*Performance indicator CONS-O-16 for Outcome 5.2*

*Degree of adequacy, timeliness and predictability of financial resources made available by developed country Parties to combat DLDD.*

*Understanding of the indicator*

*This is a qualitative indicator requiring the perception-based assessment by developing affected country Parties of the adequacy, timeliness and predictability of bilateral contributions received from developed country Parties for the implementation of the Convention. "Adequate", "timely" and "predictable" resources are frequently referred to in The Strategy as being necessary to ensure proper planning and effective implementation. Subregional and regional reporting entities will complement the information provided by affected country Parties by reporting on their perception-based assessments.*

*Data needed*

-

*Data sources (indicative only)*

-

*Check the glossary for*

-

*Only affected country Parties entitled to receive assistance under the UNCCD are requested to report on this indicator.*

*Overall target*

*No target has been set for this indicator*

---

***How would you rate the bilateral assistance received within the framework of UNCCD for the implementation of The Strategy and of the Convention?***

Adequacy of bilateral assistance

**Not adequate**

***Timeliness of bilateral assistance***

**Not timely**

***Predictability of bilateral assistance***

**Not predictable**

***Provide narrative justification on your above rating (max 100 words)***

**No se ha recibido asesoramiento bilateral**

---

***Qualitative assessment***

Did you receive assistance in raising resources from bilateral donors?

**No**

***If yes, from whom? (more than one box can be ticked)***

**No answer provided**

***Other (specify) (max 30 words)***

**No answer provided**

***Has the level of adequacy, timeliness and predictability of bilateral assistance constrained your country's performance in planning and implementation with respect to UNCCD?***

**No answer provided**

---

**Performance indicator CONS-O-17 for Outcome 5.3**

*Operational Objective 5: Financing and technology transfer*

*Performance indicator CONS-O-17 for Outcome 5.3*

*Number of DLDD-related project proposals successfully submitted for financing to international financial institutions, facilities and funds, including the GEF.*

#### *Understanding of the indicator*

The indicator measures the capacity of fund-raising at the national level, through the quantification of project proposals successfully submitted for funding to the various financing organizations. The indicator will inform to what extent affected country Parties make increasing efforts to mobilize resources. This information will be complemented by the reporting of other reporting entities on the fund-raising efforts at national, subregional and regional level.

#### *Data needed*

Information contained in the PPSs and SFAs submitted to UNCCD.

#### *Data sources (indicative only)*

PPSs and SFAs submitted to UNCCD as part of the reporting exercise.

The PPS requires specification of the project 'status' thus it allows the identification of relevant projects to be considered by this indicator and the monitoring of their approval status.

The SFA requires the specification of amounts committed to approved projects.

#### *Check the glossary for*

'PPS', 'SFA', 'Project proposals', 'currency', 'Successfully submitted proposals'

#### *Overall target*

A steady growth in the number of DLDD-related successfully submitted project proposals is recorded along the implementation period of The Strategy.

---

#### **Number of project proposals submitted (pipeline) and ongoing, by biennium**

<b>Biennium</b>	<b>submitted (pipeline)</b>	<b>ongoing</b>
2008-2009		
2010-2011		
2012-2013		
2014-2015		
2016-2017		

---

#### **Amount of funds raised, by biennium**

You can find the amount of funds raised for the ongoing projects in the corresponding SFAs. Sum these amounts and give the total in the below table.

<b>Biennium</b>	<b>Total amount</b>
2008-2009	CUPStatus=InProgress
2010-2011	
2012-2013	
2014-2015	
2016-2017	

---

#### **Sources of information**

Specify the sources used to extract the information provided above: Programme and Project Sheets and Standard Financial Annexes

*No answer required*

---

#### **National contribution to the target**

According to the information provided above, do you think that you are mobilizing enough resources from international financial institutions, facilities and funds through successfully submitted project proposals?

**No answer provided**

***If no, do you plan to increase the country's efforts in presenting project proposals to international financial institutions, facilities and funds?***

**No answer provided**

**Qualitative assessment**

Identify the reasons for the increasing or decreasing trend of project proposals successfully submitted to international financial institutions, facilities and funds (tick as many boxes as necessary and rate the level of importance).

Reasons for increasing

	Not important	Important	Very Important
Easier and more transparent application procedures			
Increased capacities of national stakeholders to prepare applications			
Major natural hazards occurred at the national level considerably increased the level of resources made available by the international community			
Access to funding is increasingly facilitated by third parties such as the private sector			
Existence of a financing strategy (IFS or others)			
Other			

**Other (specify) (max 30 words)**

**No answer provided**

**Reasons for decreasing**

	Not important	Important	Very Important
Financing opportunities are not publicised enough, lack of access to necessary information			
Complicated application procedures, the level of complexity being worsened by the different requirements of the various donors			
Limited financial resources are made available for DLDD-related programmes/projects, and lack of DLDD-specific allocations within donors' portfolio.			
Other			

**Other (specify) (max 30 words)**

**No answer provided**

**Performance indicator CONS-O-18 for Outcome 5.5**

*Operational Objective 5: Financing and technology transfer*

*Performance indicator CONS-O-18 for Outcome 5.5*

*Amount of financial resources and type of incentives which have enabled access to technology by affected country Parties.*

*Understanding of the indicator*

*The indicator measures whether access to technology is facilitated by means of financial resources or economic and policy incentives. The indicator will inform to what extent an enabling environment for technology transfer has been created at the national level and whether sufficient resources are dedicated to technology transfer. Subregional and regional reporting entities will complement the information provided by affected country Parties by reporting on financial resources and type of incentives which have enabled access to technology at the subregional and regional level.*

*Data needed*

*Budgets of relevant programmes and projects*

*Information on policy/regulatory, financial and fiscal incentives. Incentives facilitating access to technology shall be those established and implemented at the national level, not necessarily within the framework of DLDD-related cooperation.*

*Data sources (indicative only)*

*Financial documents of programmes and projects submitted as PPSs to the UNCCD as part of the reporting exercise.*

*National policy, regulatory and economic/financial documents.*

*Check the glossary for*

*'technical support', 'incentive', 'PPS'*

*Check the programmes and projects financial documents (budgets) and extract amounts allocated to: (1) technical support – material aid (equipment, hardware and software, machineries, etc); and (2) technical support – knowledge aid (technical assistance and advisory services). Add these amounts to provide totals in the table below.*

*Refer to the programmes and projects submitted as PPSs to the UNCCD and their relating budgets*

*Overall targets*

*A steady growth in the financial resources allocated to facilitate access to technology by affected country Parties is recorded along the implementation period of The Strategy.*

*A steady growth in the number of economic and policy incentives reported upon is recorded along the implementation period of The Strategy.*

---

***Estimate of amounts allocated to facilitate technology transfer***

Check the programmes and projects financial documents (budgets) and extract amounts allocated to: (1) technical support – material aid (equipment, hardware and software, machineries, etc); and (2) technical support – knowledge aid (technical assistance and advisory services). Add these amounts to provide totals in the table below.

Refer to the programmes and projects submitted as PPSs to the UNCCD and their relating budgets

<b>Year</b>	<b>Technical support – material aid</b>	<b>Technical support – knowledge aid</b>
2008	CUP	---
2009	0 CUP	
2010		
2011		
2012		
2013		
2014		
2015		
2016		

2017		
2018		

**Has your country established incentives intended to facilitate access to technology?**

**Yes**

**If yes, specify which types of incentives (more than one box can be ticked)**

- Policy or regulatory incentives (for example, related to market requirements and regulations, import/export, foreign investment, research & development support, etc)
- Financial incentives (for example, preferential rates, State aid, subsidies, cash grants, loan guarantees, etc)

**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

**No answer provided**

**Attachments:**

none

**National contribution to the target**

According to the information provided above, do you think that enough resources are allocated through DLDD-related programmes and projects to facilitate access to technology by your country?

**No**

**If your country has no incentives in place or if existing incentives to facilitate the creation of an enabling environment for technology transfer do not prove to be effective, are you planning to enforce additional measures?**

**Yes**

**If yes, when?**

2010-11

**Qualitative assessment**

If existing incentives do not prove to be effective, identify possible reasons (tick as many boxes as necessary and rate the level of importance).

	Not important	Important	Very Important
Policy or regulatory incentives are not enforced			
There are not enough resources to apply financial or fiscal incentives			
The national financial and credit systems (banks, credit agencies, etc) are not supportive			
Other			

**Other (specify) (max 30 words)**

**No answer provided**

**Identify the reasons for the increasing or decreasing trend of financial resources allocated through DLDD-related programmes and projects to facilitate access to technology (tick as many boxes as necessary and rate the level of importance).**

**Reasons for increasing**



	Not important	Important	Very Important
Access facilitated by the spreading of IT			
More appropriate technologies available			
Appropriateness of government incentives			
Other			

**Other (specify) (max 30 words)**

**No answer provided**

**Reasons for decreasing**

	Not important	Important	Very Important
Technology sustainability is poor; technologies do not represent viable investments			
Lack of fixed infrastructure for accessing technologies (those created on an ad hoc basis disappear once the support ends)			
Lack of capacities for operation and maintenance of technologies			
Lack of enabling policy and regulatory environments			
Other			

**Other (specify) (max 30 words)**

**No answer provided**

# Standard Financial Annex

## D. Standard Financial Annex

The CRIC has recommended that financial reporting be based on a standard financial reporting format to be used by affected country Parties and their development partners. It also indicated that emphasis in reports should be put on financial matters and also on an analysis of the impact of the activities undertaken (ICCD/CRIC(8)/5).

The purpose of the Standard Financial Annex (SFA) is to consolidate information on resources mobilized by affected country Parties and their development partners under the framework of relevant strategies and action programmes. It facilitates the aggregation of data on financial commitments, financial flows and resources available by all relevant funding sources for activities related to the implementation of the Convention. It also helps minimize double counting in financial statistics (ICCD/CRIC(8)/5/Add.4).

The SFA is to be used by each country Party and other reporting entities to list all financial commitments they have made during the reporting period in support of institutions, programmes, projects, as well as other relevant initiatives undertaken at national or international level for the implementation of the Convention.

More specifically, for each relevant financial commitment or allocation made in the reporting period, the SFA requires a minimum set of data grouped as follows:

Identification, i.e. data required to identify the reporting entity, the funding source and the activity financed;

Basic data, i.e. data specifying the amount and type of financial commitment made, as well as the recipient country, region, and/or organization, and the funding period, if applicable;

(c) Classification, i.e. categorization of the funded activity according to the Rio Markers for desertification, and the UNCCD Relevant Activity Codes (RACs).

The compilation of the SFA is guided by means of a template, which responds to the recommendations of CRIC 7, and builds on the GM methodological guide for financial reporting presented to CRIC 6 as part of the report of the intergovernmental Ad Hoc Working Group to improve the procedures for communication of information.

Within the template, shaded areas contain information and explanatory texts, while white areas are for reporting purposes and need to be filled in by the reporting entities with relevant data or narrative information.

Decision 13/COP.9, paragraph 8, invites country Parties and other reporting entities to refer to common terminology and definitions. Therefore, these guidelines should be read in conjunction with the comprehensive glossary presented in a separate document.

## **Financial Commitment #1 — Proyecto Fortalecimiento de Capacidades para el Planeamiento toma de decisiones sensibilización Manejo Sostenible de Tierras en ecosistemas severamente degradados.**

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### **Reporting Entity**

Enter the name of the country or organization submitting the official report to the UNCCD to which the financial commitment will be attached in the form of a consolidated Standard Financial Annex

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**

### **Other**

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### **Funding Organization**

Enter the full name and acronym (if applicable) of the organization that has made the financial commitment

- **Global Environment Facility**

### **Other**

- **Ministerio de Economía y Planificación**

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### **Name of activity funded**

Enter the name or title of the activity, project, programme, organization or initiative funded with this financial commitment  
**Proyecto Fortalecimiento de Capacidades para el Planeamiento toma de decisiones sensibilizacion Manejo Sostenible de Tierras en ecosistemas severamente degradados.**

---

**Identification code**

Enter the Identification Code (ID), number or acronym given to the activity funded (if known)  
**PIMS 3806**

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**Recipient Country(ies) or (sub) region(s)**

Enter the name of the country(ies), subregion(s) or region(s) in which the activity is taking place or is due to take place. Indicate "Global" if the activity is of global scale or has no specific geographical focus

- **Americas**
  - **Latin America and the Caribbean**
  - **Caribbean**
- 

**Recipient Organization(s)**

Enter the full name and acronym of the organization(s) to which the funds have been or will be transferred to

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
  - **Cuba - Central Government Institutions**
- 

**Other**

- **Asociación Nacional de Agricultores Pequeños**
- 

**Executing Agency(ies)**

Enter the full name an acronym of the Agency(ies) or Organization(s) that is/are in charge of the execution of the activity

- **Ministerio de Ciencia Tecnologia y Medio Ambiente (CITMA)**
- 

**Commitment date (dd/mm/yyyy)**

Enter the date at which the financial commitment has been formally approved by the extending organization (e.g. 15/01/2011)

**15/07/2008**

---

**Currency/Amount committed**

Indicate the currency denomination of the financial commitment (e.g. EUR, USD, YN, etc.). Enter the total amount of money committed as a numeric field, showing the entire figure (e.g. enter 1500000 to indicate 1.5 million). Do not use abbreviations, symbols or decimals

**2500000 US Dollar**

---

**Type of funding**

Indicate the type of funding provided through the financial commitment (e.g. grant, concessional loan, basket funding,

**Grant**

---

**Start date (dd/mm/yyyy)**

Enter the date at which the funding has been or is expected to be made available to the recipient organization (e.g. 15/01/2011)

**30/12/2008**

---

**Completion date (dd/mm/yyyy)**

Enter the date at which the funding has been or is expected to be utilized by the recipient organization (e.g. 15/01/2011), if applicable

**30/05/2013**

---

**Duration (no. of months)**

Indicate the period covered by this funding, if applicable, expressed in number of months (numeric field. Do not use abbreviations, symbols or decimals)

60

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**Rio Marker for desertification**

Assign the appropriate Rio Marker for desertification to the funded activity by ticking only one of the boxes below (refer to the Rio Markers guidance note for more information, examples and instructions)

3

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**Relevant Activity Code(s) (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the funded activity (refer to the RACs guidance note for more information, examples and instructions). Add as many rows as necessary.

- **1 Monitoring and Research**
  - **2 Capacity Development and Planning**
  - **4 Mitigation and Recovery**
- 

**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informe del Programa de Mejoramiento y Conservación ede Suelos periodo 2007 - 2009**
- **Informe 2010 de Ejecución de Proyecto (PIR) "Fortalecimiento de Capacidades para el Planeamiento Toma de decisiones y Sistemas regulatorios Sensibilización// MST en ecosistemas Severamente degradados."**

**Attachments:**

- 08Inversiones.pdf

# Financial Commitment #2 — Proyecto Coordinación Monitoreo y Evaluación del CPP en Cuba

---

## **Reporting Entity**

Enter the name of the country or organization submitting the official report to the UNCCD to which the financial commitment will be attached in the form of a consolidated Standard Financial Annex

**No answer provided**

## **Other**

**No answer provided**

---

## **Funding Organization**

Enter the full name and acronym (if applicable) of the organization that has made the financial commitment

- **Global Environment Facility**
- **United Nations Development Programme**
- **Food and Agriculture Organization of the United Nations**

## **Other**

**No answer provided**

---

## **Name of activity funded**

Enter the name or title of the activity, project, programme, organization or initiative funded with this financial commitment

**Proyecto Coordinación Monitoreo y Evaluación del CPP en Cuba**

---

## **Identification code**

Enter the Identification Code (ID), number or acronym given to the activity funded (if known)

**PIMS 3809**

---

## **Recipient Country(ies) or (sub) region(s)**

Enter the name of the country(ies), subregion(s) or region(s) in which the activity is taking place or is due to take place. Indicate "Global" if the activity is of global scale or has no specific geographical focus

- **Americas**
  - **Latin America and the Caribbean**
  - **Caribbean**
- 

## **Recipient Organization(s)**

Enter the full name and acronym of the organization(s) to which the funds have been or will be transferred to

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**

## **Other**

**No answer provided**

---

## **Executing Agency(ies)**

Enter the full name and acronym of the Agency(ies) or Organization(s) that is/are in charge of the execution of the activity

- **Ministerio de Ciencia Tecnología y Medio Ambiente (CITMA)**
- 

## **Commitment date (dd/mm/yyyy)**

Enter the date at which the financial commitment has been formally approved by the extending organization (e.g. 15/01/2011)

**30/06/2008**

---

## **Currency/Amount committed**

Indicate the currency denomination of the financial commitment (e.g. EUR, USD, YN, etc.). Enter the total amount of money committed as a numeric field, showing the entire figure (e.g. enter 1500000 to indicate 1.5 million). Do not use abbreviations, symbols or decimals

**800000 US Dollar**

---

***Type of funding***

Indicate the type of funding provided through the financial commitment (e.g. grant, concessional loan, basket funding,

**Grant**

---

***Start date (dd/mm/yyyy)***

Enter the date at which the funding has been or is expected to be made available to the recipient organization (e.g. 15/01/2011)

**30/06/2008**

---

***Completion date (dd/mm/yyyy)***

Enter the date at which the funding has been or is expected to be utilized by the recipient organization (e.g. 15/01/2011), if applicable

**30/06/2018**

---

***Duration (no. of months)***

Indicate the period covered by this funding, if applicable, expressed in number of months (numeric field. Do not use abbreviations, symbols or decimals)

**120**

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***Rio Marker for desertification***

Assign the appropriate Rio Marker for desertification to the funded activity by ticking only one of the boxes below (refer to the Rio Markers guidance note for more information, examples and instructions)

**3**

---

***Relevant Activity Code(s) (RACs)***

Indicate all the Relevant Activity Codes (RACs) that may apply to the funded activity (refer to the RACs guidance note for more information, examples and instructions). Add as many rows as necessary.

- **1 Monitoring and Research**
  - **1.1 Monitoring**
  - **1.1.1 Indicators**
  - **1.1.4 Financial Tracking**
  - **1.1.5 Reporting**
  - **3 Resource Management**
  - **3.2 Natural Resource Management**
  - **3.2.6 Land Conservation**
  - **3.2.7 Water Conservation**
  - **3.2.8 Sustainable Land Management**
- 

***Sources of information***

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Reportes trimestrales (QOR)**
- **Reporte anual 2010 (PIR)**

**Attachments:**

- 08Inversiones.pdf

# Financial Commitment #3 — Programa Nacional de Conservación y Mejoramiento de Suelos

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## **Reporting Entity**

Enter the name of the country or organization submitting the official report to the UNCCD to which the financial commitment will be attached in the form of a consolidated Standard Financial Annex

- **Cuba - Central Government Institutions**

## **Other**

**No answer provided**

---

## **Funding Organization**

Enter the full name and acronym (if applicable) of the organization that has made the financial commitment

- **Global Environment Facility**
- **Food and Agriculture Organization of the United Nations**
- **Cuba - Central Government Institutions**

## **Other**

**No answer provided**

---

## **Name of activity funded**

Enter the name or title of the activity, project, programme, organization or initiative funded with this financial commitment

**Programa Nacional de Conservación y Mejoramiento de Suelos**

---

## **Identification code**

Enter the Identification Code (ID), number or acronym given to the activity funded (if known)

---

## **Recipient Country(ies) or (sub) region(s)**

Enter the name of the country(ies), subregion(s) or region(s) in which the activity is taking place or is due to take place. Indicate "Global" if the activity is of global scale or has no specific geographical focus

- **Americas**
  - **Latin America and the Caribbean**
  - **Caribbean**
  - **Cuba**
- 

## **Recipient Organization(s)**

Enter the full name and acronym of the organization(s) to which the funds have been or will be transferred to

- **Cuba - Central Government Institutions**

## **Other**

- **Asociaciones de campesinos, agricultores privados**
- 

## **Executing Agency(ies)**

Enter the full name and acronym of the Agency(ies) or Organization(s) that is/are in charge of the execution of the activity

- **Ministerio de la Agricultura**
  - **Ministerio del Azúcar**
  - **Asociación Nacional de Agricultores Pequeños**
- 

## **Commitment date (dd/mm/yyyy)**

Enter the date at which the financial commitment has been formally approved by the extending organization (e.g. 15/01/2011)

**No answer provided**

**Currency/Amount committed**

Indicate the currency denomination of the financial commitment (e.g. EUR, USD, YN, etc.). Enter the total amount of money committed as a numeric field, showing the entire figure (e.g. enter 1500000 to indicate 1.5 million). Do not use abbreviations, symbols or decimals

**31300000 Cuban Peso**

---

**Type of funding**

Indicate the type of funding provided through the financial commitment (e.g. grant, concessional loan, basket funding,

**Sectoral Budget Support**

---

**Start date (dd/mm/yyyy)**

Enter the date at which the funding has been or is expected to be made available to the recipient organization (e.g. 15/01/2011)

**01/01/2006**

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**Completion date (dd/mm/yyyy)**

Enter the date at which the funding has been or is expected to be utilized by the recipient organization (e.g. 15/01/2011), if applicable

**No answer provided**

---

**Duration (no. of months)**

Indicate the period covered by this funding, if applicable, expressed in number of months (numeric field. Do not use abbreviations, symbols or decimals)

**12**

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**Rio Marker for desertification**

Assign the appropriate Rio Marker for desertification to the funded activity by ticking only one of the boxes below (refer to the Rio Markers guidance note for more information, examples and instructions)

**3**

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**Relevant Activity Code(s) (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the funded activity (refer to the RACs guidance note for more information, examples and instructions). Add as many rows as necessary.

- **3 Resource Management**
  - **3.1 Production Systems**
  - **3.1.1 Agriculture**
  - **3.1.2 Forestry**
  - **3.1.3 Livestock Systems**
  - **4 Mitigation and Recovery**
  - **4.1 Mitigation/Recovery**
  - **4.1.1 Adaptation to climate change**
  - **4.1.2 Drought mitigation**
  - **4.1.3 Environment Restoration**
  - **4.1.5 Wastewater Management**
- 

**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **2009, Oficina Nacional Estadística.**

**Attachments:**





## Financial Commitment #5 — Programa Nacional Forestal

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### **Reporting Entity**

Enter the name of the country or organization submitting the official report to the UNCCD to which the financial commitment will be attached in the form of a consolidated Standard Financial Annex

**No answer provided**

### **Other**

**No answer provided**

---

### **Funding Organization**

Enter the full name and acronym (if applicable) of the organization that has made the financial commitment

**No answer provided**

### **Other**

**No answer provided**

---

### **Name of activity funded**

Enter the name or title of the activity, project, programme, organization or initiative funded with this financial commitment

**Programa Nacional Forestal**

---

### **Identification code**

Enter the Identification Code (ID), number or acronym given to the activity funded (if known)

**No answer provided**

---

### **Recipient Country(ies) or (sub) region(s)**

Enter the name of the country(ies), subregion(s) or region(s) in which the activity is taking place or is due to take place. Indicate "Global" if the activity is of global scale or has no specific geographical focus

- **Americas**
  - **Caribbean**
  - **Cuba**
- 

### **Recipient Organization(s)**

Enter the full name and acronym of the organization(s) to which the funds have been or will be transferred to

- **Cuba - Central Government Institutions**

### **Other**

- **Asociación Nacional de Agricultores Pequeños**
- 

### **Executing Agency(ies)**

Enter the full name and acronym of the Agency(ies) or Organization(s) that is/are in charge of the execution of the activity

- **Ministerio de la Agricultura. Dirección Forestal. Servicio Estatal Forestal**
  - **Ministerio del Azúcar**
  - **Asociación Nacional de Agricultores Pequeños**
- 

### **Commitment date (dd/mm/yyyy)**

Enter the date at which the financial commitment has been formally approved by the extending organization (e.g. 15/01/2011)

**15/01/2008**

---

### **Currency/Amount committed**

Indicate the currency denomination of the financial commitment (e.g. EUR, USD, YN, etc.). Enter the total amount of

money committed as a numeric field, showing the entire figure (e.g. enter 1500000 to indicate 1.5 million). Do not use abbreviations, symbols or decimals

**227000000 Cuban Peso**

---

***Type of funding***

Indicate the type of funding provided through the financial commitment (e.g. grant, concessional loan, basket funding, **Sectoral Budget Support**)

---

***Start date (dd/mm/yyyy)***

Enter the date at which the funding has been or is expected to be made available to the recipient organization (e.g. 15/01/2011)

**No answer provided**

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***Completion date (dd/mm/yyyy)***

Enter the date at which the funding has been or is expected to be utilized by the recipient organization (e.g. 15/01/2011), if applicable

**No answer provided**

---

***Duration (no. of months)***

Indicate the period covered by this funding, if applicable, expressed in number of months (numeric field. Do not use abbreviations, symbols or decimals)

**No answer provided**

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***Rio Marker for desertification***

Assign the appropriate Rio Marker for desertification to the funded activity by ticking only one of the boxes below (refer to the Rio Markers guidance note for more information, examples and instructions)

**No answer provided**

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***Relevant Activity Code(s) (RACs)***

Indicate all the Relevant Activity Codes (RACs) that may apply to the funded activity (refer to the RACs guidance note for more information, examples and instructions). Add as many rows as necessary.

**No answer provided**

---

***Sources of information***

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Programa Nacional Forestal 2005 - 2015. Panorama Ambiental Cuba, 2009. Oficina Nacional Estadística (Proteccion de Biodiversidad y paisajes).**

**Attachments:**

- 08Inversiones.pdf

# Financial Commitment #6 — Estrategia del Programa de Pequeñas Donaciones del Fondo para el Medio Ambiente mundial.Degradación de Tierras y desertificación.

---

## **Reporting Entity**

Enter the name of the country or organization submitting the official report to the UNCCD to which the financial commitment will be attached in the form of a consolidated Standard Financial Annex

**No answer provided**

## **Other**

**No answer provided**

---

## **Funding Organization**

Enter the full name and acronym (if applicable) of the organization that has made the financial commitment

- **Cuba - Central Government Institutions**
- **Global Environment Facility**
- **United Nations Development Programme**

## **Other**

- **Asociación Nacional de Agricultores Pequeños**
- 

## **Name of activity funded**

Enter the name or title of the activity, project, programme, organization or initiative funded with this financial commitment

**Estrategia del Programa de Pequeñas Donaciones del Fondo para el Medio Ambiente mundial.Degradación de Tierras y desertificación.**

---

## **Identification code**

Enter the Identification Code (ID), number or acronym given to the activity funded (if known)

**CUB/SGP/OP4/CORE/08/01,03 y 04**

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## **Recipient Country(ies) or (sub) region(s)**

Enter the name of the country(ies), subregion(s) or region(s) in which the activity is taking place or is due to take place.

Indicate "Global" if the activity is of global scale or has no specific geographical focus

**No answer provided**

---

## **Recipient Organization(s)**

Enter the full name and acronym of the organization(s) to which the funds have been or will be transferred to

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

## **Other**

- **Asociación Nacional de Agricultores Pequeños**
- 

## **Executing Agency(ies)**

Enter the full name and acronym of the Agency(ies) or Organization(s) that is/are in charge of the execution of the activity

- **Organizaciones comunitarias y campesinos**
- 

## **Commitment date (dd/mm/yyyy)**

Enter the date at which the financial commitment has been formally approved by the extending organization (e.g.

15/01/2011)

**No answer provided**

---

## **Currency/Amount committed**

Indicate the currency denomination of the financial commitment (e.g. EUR, USD, YN, etc.). Enter the total amount of money committed as a numeric field, showing the entire figure (e.g. enter 1500000 to indicate 1.5 million). Do not use abbreviations, symbols or decimals

**1 286 566 US Dollar**

---

***Type of funding***

Indicate the type of funding provided through the financial commitment (e.g. grant, concessional loan, basket funding,

**Grant**

---

***Start date (dd/mm/yyyy)***

Enter the date at which the funding has been or is expected to be made available to the recipient organization (e.g. 15/01/2011)

**01/01/2008**

---

***Completion date (dd/mm/yyyy)***

Enter the date at which the funding has been or is expected to be utilized by the recipient organization (e.g. 15/01/2011), if applicable

**31/12/2010**

---

***Duration (no. of months)***

Indicate the period covered by this funding, if applicable, expressed in number of months (numeric field. Do not use abbreviations, symbols or decimals)

**24**

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***Rio Marker for desertification***

Assign the appropriate Rio Marker for desertification to the funded activity by ticking only one of the boxes below (refer to the Rio Markers guidance note for more information, examples and instructions)

**2**

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***Relevant Activity Code(s) (RACs)***

Indicate all the Relevant Activity Codes (RACs) that may apply to the funded activity (refer to the RACs guidance note for more information, examples and instructions). Add as many rows as necessary.

- **1 Monitoring and Research**
  - **2 Capacity Development and Planning**
  - **4 Mitigation and Recovery**
- 

***Sources of information***

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Programa de Pequeñas Donaciones. Cuba, Informes 2008 y 2009**

**Attachments:**

- 08Inversiones.pdf

# Programme and Project Sheets

## *E. Programme and Project Sheet*

*Programme and Project Sheets (PPS) are used to provide more detailed information on programmes or projects undertaken or completed in the reporting period. This includes programmes and projects in the pipeline, as well as final proposals submitted for funding to internal or external funding sources. All country Parties and other reporting entities involved in the financing, coordination or implementation of relevant programmes and projects are requested to prepare a PPS for each of them, and to attach them to their official report to the UNCCD.*

*The compilation of the PPS is guided by means of a template. These templates are intended to collect a minimum set of qualitative and quantitative data to facilitate the analysis of funding and investment flows, and the production of better financial statistics related to UNCCD implementation (ICCD/CRIC(8)/5/Add.4), with a view to enabling the CRIC to undertake an objective review of progress in the implementation of the Convention and The Strategy. The PPS also facilitate the computation of certain performance and impact indicators.*

*A distinctive feature of the PPS is that it allows country Parties and other reporting entities to specify which strategic and operational objectives of The Strategy are targeted by each programme or project. In addition, it allows for individual programme or project components to be categorized using the Rio Markers for desertification and Relevant Activity Codes (RACs).*

*Furthermore, the PPS can be used to indicate whether the objectives of other Rio Conventions (i.e. the UN Convention on Biological Diversity, CBD – and the UN Framework Convention on Climate Change, UNFCCC) are also addressed by the programme or project. This is done through the use of the biodiversity and climate change Rio Markers, respectively.*

*The PPS offers an opportunity to increase the visibility of relevant programmes and projects, thereby creating the conditions for a better sharing of experiences and lessons, as well as the transfer of knowledge in general. It also favours collaboration and networking by facilitating the identification of potential synergies.*

*Lastly, the PPS also allows country Parties and other reporting entities to provide a narrative description of the expected or achieved results. This information will facilitate the qualitative assessment of progress in the implementation of The Strategy, including on returns on investment. The CRIC will use the analysis of financial information originating from the PPS to assess results, performance and impacts.*

*To minimize the reporting burden and avoid discrepancies in the information annexed to the reports of different entities, it is recommended that project partners identify the most suitable ways to coordinate among themselves the preparation of PPS to ensure that consistent data are reported for the same projects. It would also be advisable to compile just one PPS for large “umbrella” programmes, instead of separate PPS for each small project stemming from them.*

*In the PPS template, shaded areas contain information and explanatory texts, while white areas are for reporting purposes and need to be filled in by country Parties and other reporting entities with relevant data or narrative information.*

## **Programme/Project #1 — Medidas para la nutrición de las plantas con el uso de abonos orgánicos, minerales y bioestimulantes.~~~**

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### **Title**

Enter the Programme/Project title, and sub-title if applicable

**Medidas para la nutrición de las plantas con el uso de abonos orgánicos, minerales y bioestimulantes.**

---

### **Organization(s)**

Enter the full name and acronym of the reporting organization

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

### **Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG)**

- Dirección de Ciencia y Técnica del Ministerio del Azúcar (MINAZ)
  - Dirección de Ciencia y Técnica del Ministerio de Educación Superior(MES)
  - Centro Nacional de Gerencia de Proyectos (GEPROP)
  - Agencia de Medio Ambiente(AMA)
- 

### ***Role of the Organization(s) in the Programme/Project***

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

#### **Implementing agency**

---

### ***Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)***

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Asociación Cubana de Producción Animal( ACPA)**
  - **Asociación Cubana de Técnicos Agrícolas y Forestales (ACTAF)**
  
  - **Asociación Nacional de Agricultores Pequeños (ANAP)**
  - **Instituto de Investigaciones Fundamentales en Agricultura (INIFAT)**
  
  - **Centro Universitario de Las Tunas**
  - **Centro de Desarrollo de la Montaña de Guantánamo**
  - **Centro de Desarrollo de la Maquinaria Agrícolas (CEDEM)**
  - **Universidad Central de Las Villas (UCLV),**
  - **Centro de investigaciones de la industria Minera**
- 

### ***Beneficiary Country(ies) or Sub Region(s)***

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- **Caribbean**
  - **Cuba**
- 

### ***Target Area size / administrative unit***

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals). Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**9960000 Hectares**

#### ***Administrative Unit***

**Empresas Agrícolas y Cooperativas de Producción Agropecuarias en todas las Provincias**

---

### ***Target Group***

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Pequeños agricultores privados**
- **Cooperativas de Agricultores**
- **Unidades Básicas de Producción de Empresas Estatales**
  
- **Extensionistas agrícolas**
- **Decidores del nivel nacional, sectorial, provincial y municipal.**

**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

923735

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**Identification Code**

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

PRCT 10028

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**Status**

Indicate the status of the Programme/Project at the time of completing this form.

Completed

---

**Start date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

01/01/2007

---

**Completion date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

30/12/2009

---

**Programme/Project co-financing****Source**

*Provide the full name and acronym of all co-financing organisations*

- Cuba - Central Government Institutions

**Other**

i.Ministerio de Finanzas y Precios de Cuba

**Currency, Amount**

*For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)*

75500 Cuban Peso

---

**UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more information, examples and instructions)

UNCCD

1

**UNFCCC adaptation**

1

**UNFCCC mitigation**

1

**CBD**

1

---

**Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**



## Operational objectives

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

- 3

### Programme/Project Objectives

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31130 Agricultural land resources
- 31150 Agricultural inputs

### Programme/Project Components

#### Programme/Project Components

Indicate the specific Programme/Project components, if known, as specified in the related documentation.

Note: This information should be taken into account in the computation of performance indicator no.

CONS-O-18.

Aplicación Manejo Integrado de la Nutrición de Plantas.

Currency, Amount

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

4230000 Cuban Peso

Rio Marker for desertification

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

1

Relevant Activity Codes (RACs)

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

No answer provided

#### Programme/Project Components

Indicate the specific Programme/Project components, if known, as specified in the related documentation.

Note: This information should be taken into account in the computation of performance indicator no.

CONS-O-18.

Evaluación de materiales orgánicos para la fertilización de los suelos.

Currency, Amount

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

1585000 Cuban Peso

Rio Marker for desertification

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

1

Relevant Activity Codes (RACs)

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

No answer provided

#### Programme/Project Components

*Indicate the specific Programme/Project components, if known, as specified in the related documentation.*

*Note: This information should be taken into account in the computation of performance indicator no.*

**CONS-O-18.**

Fertilizantes mineral.

**Currency, Amount**

*Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)*

1735000 Cuban Peso

**Rio Marker for desertification**

*Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)*

1

**Relevant Activity Codes (RACs)**

*Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)*

**No answer provided**

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### **Expected or achieved results**

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).

- Se logra evaluar diferentes fuentes de residuos agrícolas para la elaboración de compost y otros materiales para fertilización orgánica.
- Se aplica el Manejo Integrado de la nutrición de plantas, involucrando la fertilización mineral, orgánica, el uso de biofertilizantes, micorrizas etc. en diferentes cultivos, entre ellos caña de azúcar, hortalizas, viandas, papaya.
- Se ofrece información sobre el manejo nutricional de las plantas en condiciones de Agricultura Urbana( organopónicos, patios urbanos, agricultura suburbana).
- Se ofrecen alternativas para el uso de diferentes tipos de biofertilizantes y rizobacterias, etc.
- Uso más adecuado y racional de los nutrientes con ahorro de fertilizante fosfórico y menores costos de producción e impacto ambiental de las aplicaciones .
- Determinación del valor crítico (NC) de P2O5 para el arroz en suelos ferralíticos , estableciéndose nuevas gradaciones de P2O5 en el suelo.
- Alternativa tecnológica para la reducción de la fertilización edáfica en el cultivo del arroz.

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### **Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- Informes Finales de proyectos terminados en los Programas Científicos Técnicos

### **Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf

## Programme/Project #2 — Producciones Animales aplicables a condiciones de áreas degradadas.

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### **Title**

Enter the Programme/Project title, and sub-title if applicable

**Producciones Animales aplicables a condiciones de áreas degradadas.**

---

### **Organization(s)**

Enter the full name and acronym of the reporting organization

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

### **Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG)**
  - **Dirección de Ciencia y Técnica del Ministerio de Educación Superior(MES)**
  - **Ministerio del Azúcar (MINAZ)**
  - **Centro Nacional de Gerencia de Proyectos (GEPROP)**
  - **Agencia de Medio Ambiente(AMA)**
  - **Instituto Nacional de Investigaciones de la Caña de Azúcar(INICA)**
  - **Delegaciones Provinciales del Ministerio de Ciencia Tecnología y Medio Ambiente.**
- 

### **Role of the Organization(s) in the Programme/Project**

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

**Implementing agency**

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### **Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)**

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Asociación Cubana de Producción Animal( ACPA)**
  - **Asociación Cubana de Técnicos Agrícolas y Forestales (ACTAF)**
  - **Asociación Nacional de Pequeños Agricultores (ANAP)**
  - **Estaciones de Investigación de Pastos.**
  - **Instituto de Investigaciones Avícola(IIA)**
  - **Instituto de Ciencia Animal(ICA)**
  - **Instituto de Investigaciones Porcinas (IIP)**
  - **Centro de Investigaciones de Mejoramiento Animal(CIMA)**
  - **Centros Universitarios.**
  - **Centro de Bioalimentos (CIBA)**
  - **Unidad.Extensionista y de Capacitacion Agricola de Holguin (UEICA-H)**
- 

### **Beneficiary Country(ies) or Sub Region(s)**

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- **Caribbean**
  - **Cuba**
- 

### **Target Area size / administrative unit**

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals). Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**799300 Hectares**

**Administrative Unit**

**Empresas Ganaderas y Cooperativas de Producción Agropecuarias y Productores Privados de Provincias**

---

**Target Group**

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Pequeños agricultores privados**
  
  - **Extensionistas agrícolas.**
  - **Cooperativas de Créditos y Servicios**
  - **Cooperativas Agropecuarias**
  - **Unidades Básicas de Producción**
  - **Empresas Estatales**
- 

**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

**923735**

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**Identification Code**

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

**PRCT 10029**

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**Status**

Indicate the status of the Programme/Project at the time of completing this form.

**Completed**

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**Start date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

**01/01/2007**

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**Completion date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

**30/12/2009**

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**Programme/Project co-financing**

**Source**

**Provide the full name and acronym of all co-financing organisations**

- **Cuba - Central Government Institutions**

**Other**

**Ministerio de Finanzas y Precios de Cuba**

**Currency, Amount**

**For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)**

6 650,0 Cuban Peso

### **UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more information, examples and instructions)

UNCCD

1

### **UNFCCC adaptation**

**No answer provided**

### **UNFCCC mitigation**

1

### **CBD**

**No answer provided**

### **Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**

### **Operational objectives**

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

• 3

### **Programme/Project Objectives**

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31161 Food crop production
- 31163 Livestock
- 31195 Livestock/veterinary services

### **Programme/Project Components**

#### **Programme/Project Components**

**Indicate the specific Programme/Project components, if known, as specified in the related documentation.**

**Note: This information should be taken into account in the computation of performance indicator no.**

**CONS-O-18.**

**Sistemas autosuficiencia alimentaria.**

**Currency, Amount**

**Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)**

1805000 Cuban Peso

**Rio Marker for desertification**

**Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)**

1

**Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

**No answer provided**

#### **Programme/Project Components**

Indicate the specific Programme/Project components, if known, as specified in the related documentation.

Note: This information should be taken into account in the computation of performance indicator no. CONS-O-18.

Tecnologías producción animal

**Currency, Amount**

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

2250000 Cuban Peso

**Rio Marker for desertification**

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

1

**Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

**No answer provided**

#### **Programme/Project Components**

Indicate the specific Programme/Project components, if known, as specified in the related documentation.

Note: This information should be taken into account in the computation of performance indicator no. CONS-O-18.

Producción de alimentos sobre distintas bases.

**Currency, Amount**

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

2595000 Cuban Peso

**Rio Marker for desertification**

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

1

**Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

**No answer provided**

#### **Expected or achieved results**

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).

- Tecnologías para obtención de leche mediante sistema de autosuficiencia alimentaria; integración ganadera y agrícola; regionalización de gramíneas y leguminosas; producción de hidroforrajes en condiciones rústicas a base de árboles proteicos y su utilización en la alimentación del conejo
- Metodología para el control biológico y explotación del marabú (planta invasora) y para la producción ovina sostenible en las condiciones del valle del Cauto. Estudio de la inclusión del follaje fresco de Morus alba Lin. var. Acorazonada en dietas porcinas
- Procedimiento para la utilización de la harina de caña proteica para la alimentación alternativa de la tilapia

roja.

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**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informes Finales de proyectos de investigación y Desarrollo terminados en los Programas Científicos Técnicos**

**Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf

# **Programme/Project #3 — Obtención, evaluación , multiplicación de especies, variedades, genotipos , híbridos de plantas para su uso en diferentes condiciones.~~~**

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## **Title**

Enter the Programme/Project title, and sub-title if applicable

**Obtención, evaluación , multiplicación de especies, variedades, genotipos , híbridos de plantas para su uso en diferentes condiciones.**

---

## **Organization(s)**

Enter the full name and acronym of the reporting organization

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

## **Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG)**
  - **Dirección de Ciencia y Técnica del Ministerio del Azúcar (MINAZ)**
  - **Centro Nacional de Gerencia de Proyectos (GEPROP)**
  - **Agencia de Medio Ambiente(AMA)**
  - **Instituto Nacional de Investigaciones de la Caña de Azúcar(INICA)**
  - **Delegaciones Provinciales del Ministerio de Ciencia Tecnología y Medio Ambiente de las provincias.**
- 

## **Role of the Organization(s) in the Programme/Project**

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

**Implementing agency**

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## **Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)**

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Estaciones de Investigación de Arroz**
- **Estación Tabaco de Cabaiguán.**
- **Instituto Nacional de Ciencias Agrícolas(INCA).**
- **Instituto Nacional de Investigaciones de la Caña de Azúcar (INICA)**
- **Instituto Nacional de Investigaciones Jorge Dimitrov(IIJD)**
- **Instituto Nacional de Investigaciones de Sanidad Vegetal (INISAV)**
- **Instituto Investigaciones del Arroz(IIArroz)**
- **Instituto Investigaciones Hortícolas Liliana Dimitrova(IIHLD)**
- **Instituto Investigaciones de Pastos y Forrajes (IIPF)**
- **Estación Experimental Pastos Indio Hatuey(EEPIH)**
- **CentroS UniversitarioS.**
- **Instituto de Ciencia Animal(ICA)**
- **Centro de Desarrollo de la Montaña de Guantánamo.**
- **Centro de Investigaciones Agropecuarias de la Universidad Central de Las Villas (CIAP)**
- **Centro Nacional de Hibridación de la Caña de Azúcar.**
- **Instituto de Investigaciones de la Agricultura Tropical(INIFAT)**
- **Instituto de Investigaciones de Viandas Tropicales(INIVIT).**
- **Asociación Cubana de Técnicos Agrícolas y Forestal(ACTAF)**
- **Estación Central de Investigaciones de Café y Cacao(ECICC)**
- **Delegaciones del CITMA.**



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**Beneficiary Country(ies) or Sub Region(s)**

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- Cuba
  - Caribbean
- 

**Target Area size / administrative unit**

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals). Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**996000 Hectares**

**Administrative Unit**

**Empresas Agrícolas y de Producción de Semillas y Centros de Investigaciones Provinciales.**

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**Target Group**

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Centros de Investigaciones agrícolas.**
  
  - **Pequeños agricultores privados.**
  - **Cooperativas de Créditos y Servicios y Cooperativas Agropecuarias.**
  - **Unidades Básicas de Producción y Empresas Estatales.**
  - **Extensionistas agrícolas.**
  - **Decidores a diferentes niveles: nacional, sectorial, provincial, municipal.**
- 

**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

**923 735**

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**Identification Code**

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

**PRCT 10030**

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**Status**

Indicate the status of the Programme/Project at the time of completing this form.

**Completed**

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**Start date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

**01/01/2003**

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**Completion date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

**30/12/2009**

### **Programme/Project co-financing**

#### **Source**

**Provide the full name and acronym of all co-financing organisations**

**No answer provided**

#### **Other**

Ministerio de Finanzas y Precios de Cuba

#### **Currency, Amount**

**For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)**

5100000 Cuban Peso

### **UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more information, examples and instructions)

UNCCD

3

#### **UNFCCC adaptation**

**No answer provided**

#### **UNFCCC mitigation**

1

#### **CBD**

2

### **Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**

### **Operational objectives**

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

• 3

### **Programme/Project Objectives**

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31182 Agricultural research
- 31192 Plant and post-harvest protection and pest control
- 31161 Food crop production
- 31150 Agricultural inputs
- 31130 Agricultural land resources

### **Programme/Project Components**

#### **Programme/Project Components**

**Indicate the specific Programme/Project components, if known, as specified in the related documentation.**

**Note: This information should be taken into account in the computation of performance indicator no. CONS-O-18.**

Obtención de híbridos, clones y variedades.

**Currency, Amount**

*Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)*

2000000 Cuban Peso

**Rio Marker for desertification**

*Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)*

1

**Relevant Activity Codes (RACs)**

*Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)*

**No answer provided**

**Programme/Project Components**

*Indicate the specific Programme/Project components, if known, as specified in the related documentation.*

*Note: This information should be taken into account in the computation of performance indicator no.*

**CONS-O-18.**

Estudios del germoplasma de diferentes cultivos.

**Currency, Amount**

*Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)*

1505000 ---

**Rio Marker for desertification**

*Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)*

1

**Relevant Activity Codes (RACs)**

*Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)*

**No answer provided**

**Programme/Project Components**

*Indicate the specific Programme/Project components, if known, as specified in the related documentation.*

*Note: This information should be taken into account in the computation of performance indicator no.*

**CONS-O-18.**

Evaluación variedades, clones e híbridos resistentes a stress abiótico.

**Currency, Amount**

*Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)*

1595000 Cuban Peso

**Rio Marker for desertification**

*Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)*

1

**Relevant Activity Codes (RACs)**

*Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)*

**No answer provided**

### ***Expected or achieved results***

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).

- **Se evaluó la variabilidad genética del germoplasma cubano de maíz e identificó materiales genéticos promisorios.**
  - **Variedades y genotipos de arroz con buen comportamiento en condiciones de estrés hídrico, tolerancia a la salinidad y con índices muy bajos de ataque de *S. spinki*. Líneas isogénicas con tolerancia a sequia y calidad industrial. Evaluación bioquímica y molecular de somaclones y mutantes e identi**
  - **Primeros estudios sobre obtención de híbridos de bananos en Cuba por métodos convencionales de mejora y la aplicación de técnicas moleculares (AFLP) para la diferenciación del polimorfismo genético. Metodología para la micropropagación del cv. de plátano ‘FHIA-21’ y establecimiento de una colecci**
  - **Introducción de 6 clones de ñame y de la tecnología de multiplicación de malanga y ñame en canteros multiplicadores de Guantánamo. Nuevo clon de boniato con alto valor nutricional. INIVIT BS – 16 2006’**
  - **Evaluación de la tolerancia al calor en muestra de germoplasma de tomate (*Solanum L.* sección *Lycopersicon* subsección *Lycopersicon*) conservado ex situ en Cuba.**
  - **Validación de la nueva variedad de pimiento, obtenida mediante androgénesis in vitro, en condiciones protegidas y a campo abierto.**
  - **Introducción de tipos precomerciales forrajeros seleccionados a través del extensionismo escalado a partir de materiales con una amplia variabilidad inicial. Conocimiento del comportamiento de accesiones para suelos ácidos y de baja fertilidad.**
  - **Programa Comercial de obtención de nuevas variedades de caña de azúcar para las principales regiones agro climáticas.**
  - **Caracterización de clones padres para la obtención de híbridos de cacao de alto potencial productivo.**
- 

### ***Sources of information***

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informes Finales de proyectos de investigación y Desarrollo terminados en los Programas Científicos Técnicos.**

### **Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf

# **Programme/Project #4 — Obtención, evaluación , multiplicación de especies, variedades, genotipos , híbridos de plantas para su uso en diferentes condiciones.~~~**

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## **Title**

Enter the Programme/Project title, and sub-title if applicable

**Obtención, evaluación , multiplicación de especies, variedades, genotipos , híbridos de plantas para su uso en diferentes condiciones.**

---

## **Organization(s)**

Enter the full name and acronym of the reporting organization

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

## **Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG).**
  - **Dirección de Ciencia y Técnica del Ministerio de Educación Superior(MES)**
  - **Dirección de Ciencia y Técnica del Ministerio del Azúcar (MINAZ)**
  - **Centro Nacional de Gerencia de Proyectos (GEPROP)**
  - **Agencia de Medio Ambiente(AMA)**
  - **Instituto Nacional de Investigaciones de la Caña de Azúcar(INICA)**
  - **Delegaciones Provinciales del Ministerio de Ciencia Tecnología y Medio Ambiente.**
- 

## **Role of the Organization(s) in the Programme/Project**

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

**Implementing agency**

---

## **Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)**

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Instituto Nacional de Ciencias Agrícolas(INCA)**
  
  - **Instituto Nacional de Investigaciones de la Caña de Azúcar (INICA)**
  - **Instituto de Ecología y Sistemática (IES)**
  - **Instituto Investigaciones del Arroz(IIArroz)**
  - **Instituto de Investigaciones de la Agricultura Tropical(INIFAT)**
  - **Instituto de Investigaciones de Viandas Tropicales(INIVIT)**
  - **Instituto de Investigaciones Hortícolas Liliana Dimitrova(IIHLD)**
  - **Instituto Investigaciones de Pastos y Forrajes (IIPF)**
  - **Unidad de Extensión y Capactc. de Holguín(UEICA-H)**
  - **Dirección Prov. Suelos Guantánamo.**
  - **ECOVIDA**
  - **Estaciones Experimentales de Arroz.**
  - **Estaciones Experimentales de pastos.**
  - **Estaciones Experimentales Forestales.**
  - **Estaciones Experimentales de Suelo.**
- 

## **Beneficiary Country(ies) or Sub Region(s)**

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- **Cuba**
  - **Caribbean**
- 

***Target Area size / administrative unit***

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals). Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**996000 Hectares**

***Administrative Unit***

**Empresas Agrícolas y de Producción de Semillas, Cooperativas de Producción Agropecuarias y Productores Privados Provinciales**

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***Target Group***

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Pequeños agricultores privados.**
  
  - **Empresa Provincial y Nacional de Semillas del Ministerio de la Agricultura.**
  - **Cooperativas de Créditos y Servicios Cooperativas Agropecuarias.**
  - **Unidades Básicas de Producción e Empresas Estatales.**
  - **Extensionistas agrícolas.**
  - **Decidores a diferentes niveles: nacional, sectorial, Municipal y provincial.**
- 

***Beneficiaries***

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

**923 735**

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***Identification Code***

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

**PRCT 10031**

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***Status***

Indicate the status of the Programme/Project at the time of completing this form.

**Completed**

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***Start date (dd/mm/yyyy)***

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

**01/01/2003**

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***Completion date (dd/mm/yyyy)***

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

**30/12/2009**

### **Programme/Project co-financing**

#### **Source**

**Provide the full name and acronym of all co-financing organisations**

**No answer provided**

#### **Other**

**Ministerio de Finanzas y Precios de Cuba**

#### **Currency, Amount**

**For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)**

**2750000 Cuban Peso**

### **UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more information, examples and instructions)

UNCCD

**2**

#### **UNFCCC adaptation**

**No answer provided**

#### **UNFCCC mitigation**

**1**

#### **CBD**

**No answer provided**

### **Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**

### **Operational objectives**

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**• 3**

### **Programme/Project Objectives**

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31150 Agricultural inputs**
- 31182 Agricultural research**

### **Programme/Project Components**

#### **Programme/Project Components**

**Indicate the specific Programme/Project components, if known, as specified in the related documentation.**

**Note: This information should be taken into account in the computation of performance indicator no. CONS-O-18.**

**Metodologías de micropropagación.**

#### **Currency, Amount**

**Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)**

1665000 Cuban Peso

**Rio Marker for desertification**

**Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)**

1

**Relevant Activity Codes (RACs)**

**Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)**

**No answer provided**

**Programme/Project Components**

**Indicate the specific Programme/Project components, if known, as specified in the related documentation.**

**Note: This information should be taken into account in the computation of performance indicator no. CONS-O-18.**

Bancos comunitarios de Semillas

**Currency, Amount**

**Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)**

500000 Cuban Peso

**Rio Marker for desertification**

**Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)**

1

**Relevant Activity Codes (RACs)**

**Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)**

**No answer provided**

**Programme/Project Components**

**Indicate the specific Programme/Project components, if known, as specified in the related documentation.**

**Note: This information should be taken into account in the computation of performance indicator no. CONS-O-18.**

Producción de semillas especies para la ganadería

**Currency, Amount**

**Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)**

585000 Cuban Peso

**Rio Marker for desertification**

**Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)**

1

**Relevant Activity Codes (RACs)**

**Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)**

**No answer provided**

### **Expected or achieved results**

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).



- Ampliación del acceso de agricultores a semillas de nuevas fuentes de germoplasma proveniente de sitios de fincas con agro-ecosistemas similares.
  - Capacitados agricultores de huertos familiares y fincas en el beneficio y Almacenamiento de semillas. Establecidos los Bancos Comunitarios de Semillas
  - Creación de jardines clónales del Theobroma cacao Lin., en los macizos montañosos de las provincias orientales. Prospección, selección y multiplicación de plantas élites con sus principales atributos como material clonal cabeza de serie.
  - Metodologías de micropropagación, empleando sistemas de Inmersión Temporal para raíces y tubérculos tropicales, papaya, plátanos y bananos.
  - Reanimación de la producción de semilla de especies para la alimentación animal mediante tecnologías apropiadas de bajos insumos. Tecnología para la producción de semilla de Centrosema pubescens, Sorghum bicolor.
  - Establecimiento de tres fuentes semilleras de especies forestales
- 

### ***Sources of information***

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informes Finales de proyectos de investigación y Desarrollo terminados en los Programas Científicos Técnicos**

### **Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf

**Title**

Enter the Programme/Project title, and sub-title if applicable

**Tecnologías, metodologías para la conservación y mejoramiento de los suelos.**

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**Organization(s)**

Enter the full name and acronym of the reporting organization

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

**Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG)**
  - **Dirección de Ciencia y Técnica del Ministerio de Educación Superior (MES)**
  - **Dirección de Ciencia y Técnica del Ministerio del Azúcar (MINAZ)**
  - **Centro Nacional de Gerencia de Proyectos (GEPROP)**
  - **Agencia de Medio Ambiente(AMA)**
  - **Instituto Nacional de Investigaciones de la Caña de Azúcar(INICA)**
  - **Delegaciones Provinciales del Ministerio de Ciencia Tecnología y Medio Ambiente.**
- 

**Role of the Organization(s) in the Programme/Project**

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

**Implementing agency**

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**Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)**

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Estaciones Experimentales de Arroz.**
  - **Instituto Nacional de Ciencias Agrícolas(INCA)**
  - **Instituto Investigaciones del Arroz(IIArroz)**
  - **Instituto de Ciencia Animal(ICA)**
  - **Centro de Desarrollo de la Montaña de Guantánamo.**
  - **Centro de Protección e Higiene de las Radiaciones (CPHR)**
  - **Centro de Investigaciones Agropecuarias de la Universidad Central de Las Villas (CIAP)**
  - **Instituto de Suelos (IS)**
  - **Instituto de Investigaciones de la Agricultura Tropical(INIFAT)**
  - **Instituto de Investigaciones de Viandas Tropicales(INIVIT)**
  - **Instituto de Investigaciones Hortícolas Liliana Dimitrova(IIHLD)**
  - **Instituto de Investigaciones Jorge Dimitrov (IIAJD)**
  - **Asociación Cubana de Técnicos Agrícolas y Forestal(ACTAF)**
  - **Estación Central de Investigaciones de Café y Cacao(ECICC)**
  - **Direcciones provinciales de Suelos.**
- 

**Beneficiary Country(ies) or Sub Region(s)**

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- **Caribbean**
- **Cuba**

**Target Area size / administrative unit**

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals). Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**996000 Hectares**

**Administrative Unit**

**Empresas Agrícolas y de Producción de Semillas, Centros de Investigación Científica , Cooperativas de Producción Agropecuarias y Productores Privados de Provincias**

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**Target Group**

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Centros de Investigaciones agrícolas**
  
  - **Extensionistas agrícolas**
  - **Decidores a diferentes niveles: nacional, sectorial, provincial, municipal**
  - **Pequeños agricultores privados.**
  - **Cooperativas de Créditos y Servicios.**
  - **Unidades Básicas de Producción y Empresas Estatales.**
  - **Cooperativas Agropecuarias.**
- 

**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

**923 735**

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**Identification Code**

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

**PRCT 10032**

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**Status**

Indicate the status of the Programme/Project at the time of completing this form.

**Completed**

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**Start date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

**01/01/2003**

---

**Completion date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

**30/12/2009**

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**Programme/Project co-financing****Source**

**Provide the full name and acronym of all co-financing organisations**

**No answer provided**

**Other**

Ministerio de Finanzas y Precios de Cuba

**Currency, Amount**

*For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)*

5450000 Cuban Peso

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**UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more information, examples and instructions)

UNCCD

3

**UNFCCC adaptation**

**No answer provided**

**UNFCCC mitigation**

2

**CBD**

2

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**Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**

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**Operational objectives**

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

• 3

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**Programme/Project Objectives**

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31182 Agricultural research
- 31192 Plant and post-harvest protection and pest control
- 31161 Food crop production
- 31150 Agricultural inputs
- 31130 Agricultural land resources

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**Programme/Project Components**

**Programme/Project Components**

*Indicate the specific Programme/Project components, if known, as specified in the related documentation.*

*Note: This information should be taken into account in the computation of performance indicator no. CONS-O-18.*

Manejo para rehabilitación de ecosistemas degradados

**Currency, Amount**

*Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)*

1632000 Cuban Peso

*Rio Marker for desertification*

*Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)*

1

*Relevant Activity Codes (RACs)*

*Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)*

**No answer provided**

*Programme/Project Components*

*Indicate the specific Programme/Project components, if known, as specified in the related documentation.*

*Note: This information should be taken into account in the computation of performance indicator no.*

**CONS-O-18.**

Monitoreo de suelos degradados.

*Currency, Amount*

*Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)*

2005000 Cuban Peso

*Rio Marker for desertification*

*Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)*

1

*Relevant Activity Codes (RACs)*

*Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)*

**No answer provided**

*Programme/Project Components*

*Indicate the specific Programme/Project components, if known, as specified in the related documentation.*

*Note: This information should be taken into account in the computation of performance indicator no.*

**CONS-O-18.**

Caracterización de áreas degradadas.

*Currency, Amount*

*Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)*

1813000 Cuban Peso

*Rio Marker for desertification*

*Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)*

1

*Relevant Activity Codes (RACs)*

*Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)*

**No answer provided**

### **Expected or achieved results**

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).

- Conocimiento de microorganismos del suelo y del uso por primera vez en Cuba de indicadores del estado de rehabilitación de zonas mineras, de recuperación de los suelos, la vegetación y de ecosistemas

- afectados por la minería Contribución a la base de datos del CENBIO sobre flora de serpentina y a
- Manual técnico para el intercalamiento de cultivos en el período de fomento del plátano, extensible a otros cultivos como la fruta bomba y la guayaba. Introducción en una empresa, una UBPC y una granja estatal en Camaguey con beneficios económicos y protección de los suelos.
- Generalización en la provincia Camaguey de la metodología para la conservación de los suelos de relieve llano a ondulado, lo cual se realizó con aumentos de 10% de los rendimientos y la conservación de la fertilidad de los suelos.
- Aplicación de la técnica del Cesio 137 en la valoración de la efectividad de las medidas de conservación en los suelos de la Cuenca del río Máximo. Manual de procedimientos para conocer la eficiencia de medidas de control de la erosión
- Software para evaluar y monitorear la calidad del suelo que permite establecer estrategias de manejos integrales del suelo más eficientes y sostenibles.
- Información sobre la aplicación del sistema integrado SIMONIT para facilitar la toma de decisiones sobre el uso, conservación y mejoramiento de suelos en el municipio Boyeros.
- Aplicación de técnicas permaculturales en su variante de agrodesiertos, para desarrollar integralmente pequeños predios en la zona costera de la provincia de Guantánamo.
- Implementación de un sistema de manejo agroecológico, ajustando las tecnologías de labranza y conservación, asociación y rotación de cultivos y manejo de suelo y agua, que reducen los procesos de erosión a límites permisibles, a las condiciones de ecosistemas montañosos
- Información de análisis de los suelos y su factibilidad para el cultivo del cocotero, para reordenamiento del cultivo hacia las zonas con mejores condiciones para su desarrollo.
- Descripción ganadera de la provincia y ordenamiento de la base de datos de los estudios de suelos del MINAZ en el territorio, para recomendar variedades de pastos y forrajes para áreas ganaderas del MINAZ
- Estructura modelo que integra las propiedades físicas, químicas y biológicas sensibles a las funciones del suelo para obtener un sistema de evaluación y monitoreo de su calidad (SEMCAS) para su protección. Validación mediante la evaluación y monitoreo del Índice de Calidad del Suelo (ICS) en los ti
- Caracterización de las cuencas hidrográficas más importantes del país. Metodologías y digitalización de los mapas de suelos de cada cuenca. Programa nacional de mejoramiento y conservación de los suelos, manual y tecnología integral para el manejo de suelos erosionados
- Actualización del uso del suelo en las unidades productoras de empresas azucareras de la provincia mediante bases de datos. Resumen por empresa. Base catastral con la estructura organizativa actual y la información referente a los distintos tipos de cambios ocurridos.
- Recuperación agro productiva de la Finca "Buen Retiro" mediante la aplicación de tecnologías agro ecológicas.
- Introducción de alternativas sanitarias para lograr la no utilización de bromuro de metilo en la agricultura.
- Información sobre resultados de la rotación del cultivo de la caña con el arroz; en disminución de malezas, control de plagas y enfermedades y acortamiento de los periodos de preparación de suelos.
- Planificación estratégica del uso de la tierra de las empresas agropecuarias del Ministerio del Azúcar para la diversificación y el manejo sustentable de los recursos naturales.
- Efecto de diferentes condiciones de manejo de la caña sobre las 4 propiedades químicas, físicas y biológicas del suelo.
- Tecnología para el uso y manejo de la Canavalia ensiformis como abono verde en Coffea canephora cultivado bajo poda sistemática en los macizos montañosos Sierra Maestra y Nipe-Sagua-Baracoa
- Uso de técnicas nucleares para medir la erosión del suelo, útil para el monitoreo
- Uso de técnicas nucleares para caracterizar acuíferos.
- Metodología que se emplea para el control de la erosión empleando técnicas nucleares.
- Uso de técnicas nucleares (137Cs, 210Pb, y 7Be) para medir la erosión en Lalnuera Sur de P. Río
- Mapa de paisajes de la cuenca Arimao con clasificación edáfica (año 1999) y las facilidades de los SIGs

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**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informes Finales de proyectos de investigación y Desarrollo terminados en los Programas Científicos Técnicos.**

**Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf

# Programme/Project #6 — Extensionismo, capacitación y aspectos socioeconómicos para la agricultura.~~~

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## **Title**

Enter the Programme/Project title, and sub-title if applicable

**Extensionismo, capacitación y aspectos socioeconómicos para la agricultura.**

---

## **Organization(s)**

Enter the full name and acronym of the reporting organization

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

## **Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG).**
  - **Dirección de Ciencia y Técnica del Ministerio del Azúcar (MINAZ)**
  - **Centro Nacional de Gerencia de Proyectos (GEPROP)**
  - **Agencia de Medio Ambiente(AMA)**
  - **Instituto Nacional de Investigaciones de la Caña de Azúcar(INICA)**
  - **Delegaciones Provinciales del Ministerio de Ciencia Tecnología y Medio Ambiente**
- 

## **Role of the Organization(s) in the Programme/Project**

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

**Implementing agency**

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## **Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)**

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Estaciones Experimentales de Arroz**
  - **Instituto Nacional de Ciencias Agrícolas(INCA)**
  - **Instituto Investigaciones en Riego y Drenaje(IIRD)**
  - **Instituto Investigaciones del Arroz(IIArroz)**
  - **Estación Experimental Pastos Indio Hatuey(EEPIH)**
  - **Centros Universitarios.**
  - **Centro de Desarrollo de la Montaña de Guantánamo.**
  - **Centro de Bioplantás.**
  - **Centro Meteorológico de Guantánamo.**
  - **Centros de Estudios Ambientales.**
  - **Instituto Nacional de Recursos Hidráulicos (INRH)**
  - **Instituto Investigaciones Fundamentales de la Agricultura Tropical(INIFAT)**
  - **Asociación Cubana de Técnicos Agrícolas y Forestal(ACTAF).**
  - **Estación Central de Investigaciones de Café y Cacao(ECICC)**
  - **Delegaciones CITMA.**
- 

## **Beneficiary Country(ies) or Sub Region(s)**

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- **Caribbean**
- **Cuba**



**Target Area size / administrative unit**

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals). Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**996000 Hectares**

**Administrative Unit**

**Empresas Agrícolas y de Producción de Semillas, Centros de Investigación Científica , Cooperativas de Producción Agropecuarias y Productores Privados Provinciales**

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**Target Group**

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Centros de Investigaciones agrícolas.**
  - **Pequeños agricultores privados.**
  - **Cooperativas de Créditos y Servicios.**
  - **Cooperativas Agropecuarias.**
  - **Unidades Básicas de Producción e Empresas Estatales.**
  - **Extensionistas agrícolas.**
  - **Decidores a diferentes niveles: nacional, sectorial, provincial, municipal.**
- 

**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

**923 735**

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**Identification Code**

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

**PRCT 10033**

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**Status**

Indicate the status of the Programme/Project at the time of completing this form.

**Completed**

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**Start date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

**01/01/2003**

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**Completion date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

**30/12/2009**

---

**Programme/Project co-financing****Source**

*Provide the full name and acronym of all co-financing organisations*

**No answer provided**

**Other**

**Ministerio de Finanzas y Precios de Cuba.**

**Currency, Amount**

*For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)*

**Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)**

4500000 Cuban Peso

### **UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more information, examples and instructions)

UNCCD

3

**UNFCCC adaptation**

2

**UNFCCC mitigation**

2

**CBD**

2

### **Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**

### **Operational objectives**

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

• 3

### **Programme/Project Objectives**

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31140 Agricultural water resources
- 31130 Agricultural land resources

### **Programme/Project Components**

#### **Programme/Project Components**

**Indicate the specific Programme/Project components, if known, as specified in the related documentation.**

**Note: This information should be taken into account in the computation of performance indicator no.**

**CONS-O-18.**

Tecnologías de Manejo de agua.

**Currency, Amount**

**Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)**

3000000 Cuban Peso

**Rio Marker for desertification**

**Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)**

1

**Relevant Activity Codes (RACs)**

**Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to**

the [RACs guidance note](#) for more information, examples and instructions)

- 4 Mitigation and Recovery
- 4.1 Mitigation/Recovery
- 4.1.1 Adaptation to climate change
- 4.1.2 Drought mitigation
- 4.1.7 Water reclamation and reuse

### **Programme/Project Components**

Indicate the specific Programme/Project components, if known, as specified in the related documentation.

Note: This information should be taken into account in the computation of performance indicator no.

CONS-O-18.

Estudios en cuencas hidrográficas

**Currency, Amount**

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

1500000 Cuban Peso

**Rio Marker for desertification**

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

1

**Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

- 5.8 Reforestation/Afforestation
- 5.7 Reconstruction of Water Management Systems and Infrastructure
- 4.1.1 Adaptation to climate change
- 4.1.2 Drought mitigation

### **Expected or achieved results**

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).

- Tecnologías para el manejo de agua en arroz, caña de azúcar, café, tomate, uso adecuado de agua subterráneas en el riego, micro irrigación en banano, riego por surco con riego intermitente. Operación de sistemas y los recursos hídricos en caña de azúcar
- Uso de energía eólica y solar para el riego.
- Estudios recursos hídricos en cuencas hidrográficas y de prospección del recurso en general.
- Estudio y recomendaciones del riego para la caña de azúcar. Uso de software.
- Sistema de Gestión para la sequía y para la protección del recurso agua.
- Caracterización de la calidad de agua en embalses, agua de lluvia y en sistemas de riegos.

### **Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- Informes Finales de proyectos de investigación y Desarrollo terminados en los Programas Científicos Técnicos

### **Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf

# Programme/Project #7 — Manejo de Agua

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## **Title**

Enter the Programme/Project title, and sub-title if applicable

**Manejo de Agua**

---

## **Organization(s)**

Enter the full name and acronym of the reporting organization

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

## **Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG)**
  - **Dirección de Ciencia y Técnica del Ministerio de Educación Superior (MES)**
  - **Dirección de Ciencia y Técnica del Ministerio de Educación Superior (MES)**
  - **Dirección de Ciencia y Técnica del Ministerio del Azúcar (MINAZ)**
  - **Centro Nacional de Gerencia de Proyectos (GEPROP).**
  - **Agencia de Medio Ambiente(AMA)**
  - **Instituto Nacional de Investigaciones de la Caña de Azúcar(INICA)**
  - **Delegaciones Provinciales del Ministerio de Ciencia Tecnología y Medio Ambiente de las provincias.**
- 

## **Role of the Organization(s) in the Programme/Project**

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

**Implementing agency**

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## **Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)**

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Estaciones Experimentales de Arroz.**
  - **Instituto Nacional de Ciencias Agrícolas(INCA)**
  - **Instituto Investigaciones del Arroz(IIArroz)**
  - **Instituto de Investigaciones de la Agricultura Tropical(INIFAT)**
  - **Instituto de Investigaciones de Viandas Tropicales(INIVIT)**
  - **Instituto de Investigaciones Hortícolas Liliana Dimitrova(IIHLD)**
  - **Instituto de Investigaciones Jorge Dimitrov (IIAJD)**
  - **Asociación Cubana de Técnicos Agrícolas y Forestal(ACTAF)**
  
  - **Estación Central de Investigaciones de Café y Cacao(ECICC)**
  - **Centros Universitarios.**
- 

## **Beneficiary Country(ies) or Sub Region(s)**

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- **Cuba**
  - **Caribbean**
- 

## **Target Area size / administrative unit**

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals). Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**996000 Hectares**

**Administrative Unit**

**Empresas Agrícolas y de Producción de Semillas, Centros de Investigación Científica , Cooperativas de Producción Agropecuarias y Productores Privados de Provincias**

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**Target Group**

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Centros de Investigaciones agrícolas.**
  
  - **Pequeños agricultores privados.**
  - **Cooperativas de Créditos y Servicios**
  
  - **Cooperativas Agropecuarias.**
  - **Unidades Básicas de Producción e Empresas Estatales.**
  - **Extensionistas agrícolas.**
  - **Decidores a diferentes niveles: nacional, sectorial, provincial, municipal.**
- 

**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

**923 735**

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**Identification Code**

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

**PRCT 10034**

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**Status**

Indicate the status of the Programme/Project at the time of completing this form.

**Completed**

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**Start date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

**01/01/2003**

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**Completion date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

**30/12/2009**

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**Programme/Project co-financing**

**Source**

**Provide the full name and acronym of all co-financing organisations**

**No answer provided**

**Other**

Ministerio de Finanzas y Precios de Cuba

**Currency, Amount**

**For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)**

15600000 Cuban Peso

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**UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more information, examples and instructions)

UNCCD

3

**UNFCCC adaptation**

2

**UNFCCC mitigation**

2

**CBD**

2

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**Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**

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**Operational objectives**

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

• 3

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**Programme/Project Objectives**

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31120 Agricultural development
- 31130 Agricultural land resources
- 31161 Food crop production
- 31162 Industrial crops/export crops
- 31182 Agricultural research
- 31192 Plant and post-harvest protection and pest control

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**Programme/Project Components**

**Programme/Project Components**

**Indicate the specific Programme/Project components, if known, as specified in the related documentation.**

**Note: This information should be taken into account in the computation of performance indicator no.**

**CONS-O-18.**

Tecnologías integrales de producción de diferentes cultivos.

**Currency, Amount**

**Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount allocated to each Programme/Project component (numeric field. Do not use**

*abbreviations, symbols or decimals)*

12300000 Cuban Peso

*Rio Marker for desertification*

*Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)*

1

*Relevant Activity Codes (RACs)*

*Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)*

- 1.2 Knowledge, Science and Technology
- 1.2.1 Traditional Knowledge and Best Practices
- 1.2.3 Science and Technology

*Programme/Project Components*

*Indicate the specific Programme/Project components, if known, as specified in the related documentation.*

*Note: This information should be taken into account in the computation of performance indicator no.*

*CONS-O-18.*

Uso de bioproductos en la producción de alimentos

*Currency, Amount*

*Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)*

3300000 Cuban Peso

*Rio Marker for desertification*

*Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)*

1

*Relevant Activity Codes (RACs)*

*Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)*

- 1.2 Knowledge, Science and Technology
- 1.2.2 Bio-physical Research and Science
- 1.2.3 Science and Technology

***Expected or achieved results***

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).

- Tecnología integral de producción de cultivos por métodos sostenibles: girasol, soya, cafeto, garbanzo, cacao, tabaco, caña de azúcar, hortalizas, coberturas de leguminosas en plantaciones de cítricos.
- Producción de tomate en 3 épocas del año.
- Enmiendas a las pérdidas y daños de granos durante la producción de arroz.
- Manejo agroforestal. Secuestro de carbono.
- Técnicas para intercalamiento de cultivos, manejo de coberturas vegetales para mitigar los efectos de la sequía.
- Productos mejoradores de suelo, bioestimulantes, biofertilizantes, bioproductos, micorrizas, fertilizantes ecológicos a partir de escorias metalúrgicas.
- Sostenibilidad de la apicultura.
- Tecnologías, semillas, variedades, fertilización orgánica para el desarrollo del arroz popular y otras formas de producción.
- Manejo integrado para producción de cultivos varios en condiciones de sequía y de suelos salinizados
- Alternativas fitotécnicas para: sistema extradenso de bananos y para el combate de arroz rojo.

- Manejo Integrado de Plagas en arroz y de malezas en el tabaco y en soya, frijol, eliminación bromuro de metilo, control biológico con uso de Heterorhabditis.
  - Reordenamiento e intensificación del cultivo de frutales.
  - Uso de SIG para la gestión de recomendaciones en agricultura cañera y en el manejo de los macizos montañosos de Cuba.
- 

***Sources of information***

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informes Finales de proyectos de investigación y Desarrollo terminados en los Programas Científicos Técnicos**

**Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf



# Programme/Project #8 — Uso de la mecanización para una agricultura conservacionista.

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## **Title**

Enter the Programme/Project title, and sub-title if applicable

**Uso de la mecanización para una agricultura conservacionista.**

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## **Organization(s)**

Enter the full name and acronym of the reporting organization

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

## **Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG).**
  - **Dirección de Ciencia y Técnica del Ministerio de Educación Superior(MES)**
  - **Dirección de Ciencia y Técnica del Ministerio del Azúcar (MINAZ)**
  - **Centro Nacional de Gerencia de Proyectos (GEPROP)**
  - **Agencia de Medio Ambiente(AMA)**
  - **Delegaciones Provinciales del Ministerio de Ciencia Tecnología y Medio Ambiente de las provincias.**
- 

## **Role of the Organization(s) in the Programme/Project**

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

**Implementing agency**

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## **Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)**

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Instituto de Investigaciones de la Caña de Azñuocr (INICA)**
  - **Instituto de Investigaciones de la Agricultura Tropical(INIFAT)**
  - **Instituto de Mecanización Agrícola (IIMA)**
  - **Asociación Cubana de Técnicos Agrícolas y Forestal(ACTAF)**
  - **Centros Univresitarios.**
- 

## **Beneficiary Country(ies) or Sub Region(s)**

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- **Caribbean**
  - **Cuba**
- 

## **Target Area size / administrative unit**

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals).

Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**996000 Hectares**

## **Administrative Unit**

**Empresas Agrícolas y de Producción de Semillas, Centros de Investigación Científica , Cooperativas de Producción Agropecuarias y Productores Privados de Provincias**

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## **Target Group**

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Centros de Investigaciones agrícolas.**

- **Extensionistas agrícolas**
- **Decidores a diferentes niveles: nacional, sectorial, provincial, municipal**
- **Cooperativas de Créditos y Servicios**
- **Unidades Básicas de Producción y Empresas Estatales**
- **Cooperativas Agropecuarias.**
- **Pequeños agricultores privados.**

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**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

**923 735**

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**Identification Code**

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

**PRCT 10035**

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**Status**

Indicate the status of the Programme/Project at the time of completing this form.

**Completed**

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**Start date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

**01/01/2003**

---

**Completion date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

**30/12/2009**

---

**Programme/Project co-financing**

**Source**

**Provide the full name and acronym of all co-financing organisations**

**No answer provided**

**Other**

**Ministerio de Finanzas y Precios de Cuba.**

**Currency, Amount**

**For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)**

**1100000 Cuban Peso**

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**UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more

information, examples and instructions)

UNCCD

3

**UNFCCC adaptation**

**No answer provided**

**UNFCCC mitigation**

2

**CBD**

2

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**Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**

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**Operational objectives**

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

• 3

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**Programme/Project Objectives**

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31120 Agricultural development
- 31130 Agricultural land resources

---

**Programme/Project Components**

**Programme/Project Components**

**Indicate the specific Programme/Project components, if known, as specified in the related documentation.**

**Note: This information should be taken into account in the computation of performance indicator no. CONS-O-18.**

Evaluación de máquinas agrícolas

**Currency, Amount**

**Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)**

800000 Cuban Peso

**Rio Marker for desertification**

**Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)**

1

**Relevant Activity Codes (RACs)**

**Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)**

- 5.4 Other Production Systems Rescue

---

**Programme/Project Components**

**Indicate the specific Programme/Project components, if known, as specified in the related documentation.**

**Note: This information should be taken into account in the computation of performance indicator no.**

**CONS-O-18.**

Usos de tracción animal.

**Currency, Amount**

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

300000 Cuban Peso

**Rio Marker for desertification**

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

**No answer provided**

**Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

- 5.4 Other Production Systems Rescue
- 4 Mitigation and Recovery

**Expected or achieved results**

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).

- **Usos de la tracción animal**
  
- Evaluación de maquinas agrícolas
- Maquina de procesar forraje.
- Construcción de una plantadora de yuca.
- Sistema para la labranza de suelos cañeros.

**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informes Finales de proyectos de investigación y Desarrollo terminados en los Programas Científicos Técnicos.**

**Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf

# Programme/Project #9 — Caracterización e influencia del clima en la producción de alimentos .

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## **Title**

Enter the Programme/Project title, and sub-title if applicable

**Caracterización e influencia del clima en la producción de alimentos .**

---

## **Organization(s)**

Enter the full name and acronym of the reporting organization

**No answer provided**

## **Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG)**
  - **Dirección de Ciencia y Técnica del Ministerio de Educación Superior(MES)**
  - **Dirección de Ciencia y Técnica del Ministerio de Educación Superior(MES)**
  - **Dirección de Ciencia y Técnica del Ministerio del Azúcar (MINAZ).**
  - **Centro Nacional de Gerencia de Proyectos (GEPROP).**
  - **Agencia de Medio Ambiente(AMA).**
  - **Instituto Nacional de Investigaciones de la Caña de Azúcar(INICA)**
  - **Delegaciones Provinciales del Ministerio de Ciencia Tecnología y Medio Ambiente.**
- 

## **Role of the Organization(s) in the Programme/Project**

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

**Implementing agency**

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## **Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)**

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Centros Provinciales Meteorológicos.**
  - **Instituto Nacional de Ciencias Agrícolas(INCA).**
  - **Instituto de Geografía Tropical (IGT)**
  - **Instituto de Investigaciones Jorge Dimitrov (IIAJD)**
  - **Asociación Cubana de Técnicos Agrícolas y Forestal(ACTAF)**
  - **Estación Central de Investigaciones de Café y Cacao(ECICC)**
- 

## **Beneficiary Country(ies) or Sub Region(s)**

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- **Caribbean**
  - **Cuba**
- 

## **Target Area size / administrative unit**

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals). Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**996000 Hectares**

## **Administrative Unit**

**Empresas Agrícolas y de Producción de Semillas, Centros de Investigación Científica , Cooperativas de**

**Target Group**

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Centros de Investigaciones agrícolas.**
  
  - **Pequeños agricultores privados.**
  - **Cooperativas de Créditos y Servicios.**
  - **Cooperativas Agropecuarias.**
  - **Unidades Básicas de Producción Y Empresas Estatales.**
  - **Decidores a diferentes niveles: nacional, sectorial, provincial, municipal.**
  - **Extensionistas agrícolas.**
- 

**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

**923 735**

---

**Identification Code**

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

**PRCT 10036**

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**Status**

Indicate the status of the Programme/Project at the time of completing this form.

**Completed**

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**Start date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

**01/01/2003**

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**Completion date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

**30/12/2009**

---

**Programme/Project co-financing**

**Source**

**Provide the full name and acronym of all co-financing organisations**

**No answer provided**

**Other**

**Ministerio de Finanzas y Precios de Cuba.**

**Currency, Amount**

**For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)**

**2150000 Cuban Peso**

## **UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more information, examples and instructions)

UNCCD

3

**UNFCCC adaptation**

1

**UNFCCC mitigation**

1

**CBD**

2

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### **Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**

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### **Operational objectives**

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

- 3

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### **Programme/Project Objectives**

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31130 Agricultural land resources

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### **Programme/Project Components**

#### **Programme/Project Components**

**Indicate the specific Programme/Project components, if known, as specified in the related documentation.**

**Note: This information should be taken into account in the computation of performance indicator no.**

**CONS-O-18.**

Eventos de Sequía y su influencia en la agricultura.

**Currency, Amount**

**Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)**

1000000 Cuban Peso

**Rio Marker for desertification**

**Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)**

1

**Relevant Activity Codes (RACs)**

**Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)**

- 1.1 Monitoring
- 1.2 Knowledge, Science and Technology
- 1.1.3 Weather Forecasting

- 1.2.2 Bio-physical Research and Science

**Programme/Project Components**

Indicate the specific Programme/Project components, if known, as specified in the related documentation.

Note: This information should be taken into account in the computation of performance indicator no.

CONS-O-18.

Incendios forestales

**Currency, Amount**

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

800000 Cuban Peso

**Rio Marker for desertification**

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

1

**Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

- 1.1 Monitoring
- 1.1.3 Weather Forecasting

**Programme/Project Components**

Indicate the specific Programme/Project components, if known, as specified in the related documentation.

Note: This information should be taken into account in the computation of performance indicator no.

CONS-O-18.

Zonificación agro climática del macizo montañosa.

**Currency, Amount**

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

350000 Cuban Peso

**Rio Marker for desertification**

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

1

**Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

- 3.1 Production Systems
- 3.1.5 Production Support
- 3.2.2 Biodiversity Conservation

**Expected or achieved results**

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).

- Zonificación agroclimática y caracterización climática del macizo Nipe-Sagua-Baracoa.
- Eventos de Sequía e impactos de la sequía y otros eventos meteorológicos que influyen en la agricultura y calidad de la lluvia.
- Ocurrencia de incendios de la vegetación y cálculo del índice de peligro de incendios
- Peligros de intensas lluvias.



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**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informes Finales de proyectos de investigación y Desarrollo terminados en los Programas Científicos Técnicos.**

**Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf

# Programme/Project #10 — Elementos de la Biodiversidad en Tierras degradadas o en vías de degradación.

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## **Title**

Enter the Programme/Project title, and sub-title if applicable

**Elementos de la Biodiversidad en Tierras degradadas o en vías de degradación.**

---

## **Organization(s)**

Enter the full name and acronym of the reporting organization

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

## **Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG)**
  - **Dirección de Ciencia y Técnica del Ministerio de Educación Superior (MES)**
  - **Dirección de Ciencia y Técnica del Ministerio del Azúcar (MINAZ).**
  - **Centro Nacional de Gerencia de Proyectos (GEPROP)**
  - **Agencia de Medio Ambiente(AMA)**
  - **Instituto Nacional de Investigaciones de la Caña de Azúcar(INICA)**
  - **Delegaciones Provinciales del Ministerio de Ciencia Tecnología y Medio Ambiente.**
- 

## **Role of the Organization(s) in the Programme/Project**

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

**Implementing agency**

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## **Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)**

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Instituto Nacional de Ciencias Agrícolas(INCA)**
  - **Centro Servicios Ambientales Holguín (CISAT)**
  - **Delegación CITMA Isla de la Juventud**
  - **ECOVIDA**
  - **Instituto de Ecología ySistemática(IES)**
  - **Centro de Desarrollo de la Montaña de Guantánamo**
  - **Instituto de Investigaciones de la Agricultura Tropical(INIFAT)**
  - **Asociación Cubana de Técnicos Agrícolas y Forestal(ACTAF)**
  - **Estación Central de Investigaciones de Café y Cacao(ECICC)**
  - **Universidad de Granma**
- 

## **Beneficiary Country(ies) or Sub Region(s)**

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- **Caribbean**
  - **Cuba**
- 

## **Target Area size / administrative unit**

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals). Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**224500 Hectares**

**Administrative Unit**

**Empresas Agrícolas y de Producción de Semillas, Centros de Investigación Científica , Cooperativas de Producción Agropecuarias y Productores Privados de Provincias**

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**Target Group**

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Centros de Investigaciones agrícolas**
  
  - **Extensionistas agrícolas**
  - **Decidores a diferentes niveles: nacional, sectorial, provincial, municipal**
  - **Cooperativas de Créditos y Servicios y Cooperativas Agropecuarias**
  - **Pequeños agricultores privados**
  - **Unidades Básicas de Producción y Empresas Estatales**
- 

**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

**923 735**

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**Identification Code**

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

**PRCT 10037**

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**Status**

Indicate the status of the Programme/Project at the time of completing this form.

**Completed**

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**Start date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

**01/01/2003**

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**Completion date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

**30/12/2009**

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**Programme/Project co-financing**

**Source**

**Provide the full name and acronym of all co-financing organisations**

**No answer provided**

**Other**

**Ministerio de Finanzas y Precios de Cuba**

**Currency, Amount**

**For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)**

*Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)*

4300000 Cuban Peso

### **UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more information, examples and instructions)

UNCCD

3

### **UNFCCC adaptation**

**No answer provided**

### **UNFCCC mitigation**

1

### **CBD**

2

### **Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**

### **Operational objectives**

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

- 3

### **Programme/Project Objectives**

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31150 Agricultural inputs
- 31161 Food crop production
- 31182 Agricultural research
- 31195 Livestock/veterinary services

### **Programme/Project Components**

#### **Programme/Project Components**

*Indicate the specific Programme/Project components, if known, as specified in the related documentation.*

*Note: This information should be taken into account in the computation of performance indicator no. CONS-O-18.*

Recursos fitogenéticos para diferentes especies

#### **Currency, Amount**

*Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)*

3300000 Cuban Peso

#### **Rio Marker for desertification**

*Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)*

1

### **Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

- 3.1 Production Systems

### **Programme/Project Components**

Indicate the specific Programme/Project components, if known, as specified in the related documentation.

Note: This information should be taken into account in the computation of performance indicator no.

CONS-O-18.

Conservación de recursos fitogenéticos.

Currency, Amount

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

1000000 Cuban Peso

Rio Marker for desertification

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

1

### **Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

- 3 Resource Management
- 3.2.2 Biodiversity Conservation

### **Expected or achieved results**

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).

- Estudios de biodiversidad en afloramientos de serpentinitas
- Protección reservas genéticas y autóctonas de especies animales.
- Fitomejoramiento participativo, identificación y uso de variedades locales de los campesinos
- Protección de reservas genéticas criollas y autóctonas.
- Recursos fitogenéticos para uso en la ganadería.
- Métodos de propagación de cinco especie forestales amenazadas.
- Recursos fitogenéticos con potencial para el desarrollo de bioproductos
- Creación de 3 fuentes semilleras de especies forestales en peligro.
- Desarrollo de un programa territorial para el manejo integral de Dioryctria horneana.
- Diversidad biológica de comunidades faunísticas en los cerros cársicos de Holguín
- Caracterización fitogeografica de la flora y vegetación cubana
- Conservación de Theobroma cacao Lin en condiciones de montaña
- Intercambio de semillas y flujo genético en el manejo de la biodiversidad agrícola en huertos y fincas
- Rescate y conservación de la reserva genética del ovino Pelibuey y de la Cabra Criolla Cubana.
- Plantas aromáticas. Uso culinario y medicinal.
- Bases de Datos con información sobre biodiversidad terrestre.

### **Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- Informes Finales de proyectos de investigación y Desarrollo terminados en los Programas Científicos Técnicos.

**Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf

# Programme/Project #11 — Extensionismo, capacitación y aspectos socioeconómicos para la agricultura.~~~

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## **Title**

Enter the Programme/Project title, and sub-title if applicable

**Extensionismo, capacitación y aspectos socioeconómicos para la agricultura.**

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## **Organization(s)**

Enter the full name and acronym of the reporting organization

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

## **Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG)**
  - **Dirección de Ciencia y Técnica del Ministerio de Educación Superior(MES)**
  - **Dirección de Ciencia y Técnica del Ministerio del Azúcar (MINAZ)**
  - **Centro Nacional de Gerencia de Proyectos (GEPROP)**
  - **Agencia de Medio Ambiente(AMA)**
  - **Instituto Nacional de Investigaciones de la Caña de Azúcar(INICA)**
  - **Delegaciones Provinciales del Ministerio de Ciencia Tecnología y Medio Ambiente de las provincias.**
- 

## **Role of the Organization(s) in the Programme/Project**

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

**Implementing agency**

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## **Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)**

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Estaciones Experimentales de Suelos**
  - **Estaciones Experimentales de pastos**
  - **Centros Universitarios.**
  - **Centro de Investigaciones Agropecuarias de la Universidad Central de Las Villas (CIAP)**
  - **Instituto de Investigaciones de la Agricultura Tropical(INIFAT).**
  - **Centro de Bioplantas de Ciego de Avila.**
  - **Instituto de Investigaciones Jorge Dimitrov (IIAJD)**
  - **Asociación Cubana de Técnicos Agrícolas y Forestal(ACTAF)**
  - **Asociación Cubana de Pequeños Agricultores de Holguín (ANAP)**
  - **Delegación CITMA Provincia Las Tunas.**
- 

## **Beneficiary Country(ies) or Sub Region(s)**

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- **Caribbean**
  - **Cuba**
- 

## **Target Area size / administrative unit**

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals). Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**996000 Hectares**

**Administrative Unit**

**Empresas Agrícolas y de Producción de Semillas, Centros de Investigación Científica , Cooperativas de Producción Agropecuarias y Productores Privados de Provincias**

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**Target Group**

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Centros de Investigaciones agrícolas**
  
  - **Extensionistas agrícolas**
  - **Decidores a diferentes niveles: nacional, sectorial, provincial, municipal.**
  - **Pequeños agricultores privados.**
  - **Cooperativas de Créditos y Servicios**  
**Cooperativas Agropecuarias**
  - **Unidades Básicas de Producción y Empresas Estatales.**
- 

**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

**923 735**

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**Identification Code**

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

**PRCT 10038**

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**Status**

Indicate the status of the Programme/Project at the time of completing this form.

**Completed**

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**Start date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

**01/01/2003**

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**Completion date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

**30/12/2009**

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**Programme/Project co-financing**

**Source**

**Provide the full name and acronym of all co-financing organisations**

**No answer provided**

**Other**

**Ministerio de Finanzas y Precios de Cuba**

**Currency, Amount**



*For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)  
Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)*

2250000 Cuban Peso

### **UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more information, examples and instructions)

UNCCD

3

**UNFCCC adaptation**

2

**UNFCCC mitigation**

2

**CBD**

2

### **Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**

### **Operational objectives**

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

- 3

### **Programme/Project Objectives**

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31110 Agricultural policy and administrative management
- 31120 Agricultural development
- 31194 Agricultural co-operatives

### **Programme/Project Components**

#### **Programme/Project Components**

*Indicate the specific Programme/Project components, if known, as specified in the related documentation.*

*Note: This information should be taken into account in the computation of performance indicator no. CONS-O-18.*

Factores socioeconómicos que influyen en la producción agrícola

**Currency, Amount**

*Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)*

1000000 Cuban Peso

**Rio Marker for desertification**

*Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)*

1

**Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

**No answer provided**

**Programme/Project Components**

Indicate the specific Programme/Project components, if known, as specified in the related documentation.

Note: This information should be taken into account in the computation of performance indicator no.

CONS-O-18.

Modelos de desarrollo local rural

Currency, Amount

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

1050000 Cuban Peso

Rio Marker for desertification

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

1

**Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

**No answer provided**

**Programme/Project Components**

Indicate the specific Programme/Project components, if known, as specified in the related documentation.

Note: This information should be taken into account in the computation of performance indicator no.

CONS-O-18.

Programas de extensionismo agrícola

Currency, Amount

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

1200000 Cuban Peso

Rio Marker for desertification

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

1

**Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

**No answer provided**

**Expected or achieved results**

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).

- Factores socio económicos que inciden en la producción agrícola cooperativa.
- Uso de paneles solares en comunidades agrícolas
- Caracterización integral de cuencas hidrográficas. Metodología de evaluación
- Modelo de Desarrollo Local Sostenible.
- La Gestión y la responsabilidad social en Cooperativas de Producción Agropecuarias.
- Programas de extensionismo y Capacitación en Empresas Agropecuarias.

- **Perfeccionamiento de los Programas e Extensionismo agrícola**
- 

**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- **Informes Finales de proyectos de investigación y Desarrollo terminados en los Programas Científicos Técnicos.**

**Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf

# Programme/Project #12 — Evaluación de la Degradación de tierras en Zonas Áridas. Área Piloto Cuba (LADA- Cuba)

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## **Title**

Enter the Programme/Project title, and sub-title if applicable

**Evaluación de la Degradación de tierras en Zonas Áridas. Área Piloto Cuba (LADA- Cuba)**

---

## **Organization(s)**

Enter the full name and acronym of the reporting organization

- **Cuba - CCD Focal Point - Ministry of Science, Technology and the Environment**
- **Cuba - Central Government Institutions**

## **Other**

- **Dirección de Ciencia y Técnica del Ministerio de la Agricultura(MINAG)**
  - **Agencia de Medio Ambiente(AMA)**
  - **Centro de Información, Gestión y Educación Ambiental (CIGEA)**
  - **Instituto Nacional de Investigaciones de la Caña de Azúcar(INICA)**
  - **Instituto de Planificación Física (IPF)**
  - **Delegaciones Provinciales del Ministerio de Ciencia Tecnología y Medio Ambiente de las provincias.**
- 

## **Role of the Organization(s) in the Programme/Project**

Indicate the role of the reporting organization in the Programme /Project (e.g. funding agency, implementing agency, etc.)

**Implementing agency**

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## **Civil Society Organizations (CSOs) and Science & Technology Institutions (STIs)**

Enter the name(s) of Civil Society Organizations (CSOs), including Non-Governmental Organizations, research institutions and-or Science & Technology Institutions (STIs) involved in the Programme/Project. Note: This information should be taken into account in the computation of performance indicator no. CONS-O-3.

- **Centro de Información, Gestión y Educación Ambiental (CIGEA)**
  - **Instituto de Suelos (IS)**
  - **Instituto de Planificación Física (IPF)**
  - **Dirección de Programas y Proyectos de AMA**
  - **Instituto de Meteorología (INSMET)**
  - **Instituto de Geografía Tropical (IGT)**
  - **Instituto Geofísica y Astronomía (IGA)**
  - **Delegaciones territoriales CITMA**
  - **Dirección Nacional Forestal**
  - **Delegaciones Provinciales del MINAG**
  - **Delegaciones territoriales del INRH.**
  - **Asociación Nacional de Agricultores Pequeños(ANAP)**
- 

## **Beneficiary Country(ies) or Sub Region(s)**

Enter the name of the Country(ies), Subregion(s) and/or Region(s) benefiting from the Programme/Project. Indicate "Global" in the absence of a specific geographical focus

- **Caribbean**
  - **Cuba**
- 

## **Target Area size / administrative unit**

Indicate the total area expressed in number of hectares (numeric field. Do not use abbreviations, symbols or decimals).

Also indicate the administrative unit targeted in the project area, if known, by the Programme/Project

Area Size

**996000 Hectares**

**Administrative Unit**

**Empresas Agrícolas y de Producción de Semillas, Centros de Investigación Científica , Cooperativas de Producción Agropecuarias y Productores Privados de Provincias**

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**Target Group**

Enter the different stakeholders, such as individuals, groups, or organizations, positively affected through their involvement in the implementation of an initiative/project/programme

- **Agencia Implementadora PNUMA**
  - **Centro de Información, Gestión y Educación Ambiental (CIGEA)**
  - **Centros de Investigaciones agrícolas.**
  - **Pequeños agricultores privados.**
  - **Cooperativas de Créditos y Servicios.**
  - **Cooperativas Agropecuarias.**
  - **Unidades Básicas de Producción e Empresas Estatales.**
  - **Extensionistas agrícolas.**
  - **Decidores a diferentes niveles: nacional, sectorial, provincial, municipal.**
- 

**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known (numeric field. Do not use abbreviations, symbols or decimals)

**923 735**

---

**Identification Code**

Enter the Programme/Project identification code (ID) or number, given by the relevant extending agency (if applicable)

**PRCT 10041**

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**Status**

Indicate the status of the Programme/Project at the time of completing this form.

**Ongoing**

---

**Start date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project started or is due to start, if known (e.g. 15/01/2011)

**01/10/2006**

---

**Completion date (dd/mm/yyyy)**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known (e.g. 15/01/2011)

**01/10/2010**

---

**Programme/Project co-financing**

**Source**

**Provide the full name and acronym of all co-financing organisations**

**No answer provided**

**Other**

**Ministerio Finanzas y Precios de Cuba.**

**Currency, Amount**

**For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)**

**Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)**

**Source**

*Provide the full name and acronym of all co-financing organisations*

**No answer provided**

**Other**

PNUMA

**Currency, Amount**

*For each co-financing, indicate the currency denomination used (e.g. EUR, USD, YEN, etc.)*

*Indicate the amount of funding provided by each co-financing organisation (numeric field. Do not use abbreviations, symbols or decimals)*

570050 US Dollar

**UN Conventions' Rio Markers**

Assign the appropriate Rio Marker to the Programme/Project (refer to the Rio Markers guidance note for more information, examples and instructions)

UNCCD

3

**UNFCCC adaptation**

**No answer provided**

**UNFCCC mitigation**

1

**CBD**

2

**Strategic objectives**

Indicate which strategic objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

**No answer provided**

**Operational objectives**

Indicate which operational objective of the UNCCD 10-Year Strategy is addressed by the Programme/Project

• 3

**Programme/Project Objectives**

Indicate the objectives pursued by the Programme/Project, as specified in the related documentation, choosing from the list of purpose codes provided in document (add Quick Reference Guide document title and reference code (please see footnotes above). The OECD list of purpose is also available at the following link : [http://www.oecd.org/document/21/0,3343,en\\_2649\\_34447\\_1914325\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,3343,en_2649_34447_1914325_1_1_1_1,00.html).

- 31110 Agricultural policy and administrative management
- 43040 Rural development
- 43082 Research/scientific institutions

**Programme/Project Components****Programme/Project Components**

*Indicate the specific Programme/Project components, if known, as specified in the related documentation.*

*Note: This information should be taken into account in the computation of performance indicator no.*

**CONS-O-18.**

Evaluar, cuantificar y analizar la naturaleza, el grado, la severidad y los impactos de la degradación de tierras sobre los ecosistemas en tierras áridas.

**Currency, Amount**

Indicate the currency denomination (e.g. EUR, USD, YEN, etc.)

Indicate the amount allocated to each Programme/Project component (numeric field. Do not use abbreviations, symbols or decimals)

1160700 Cuban Peso

**Rio Marker for desertification**

Assign the appropriate Rio Marker for desertification to each Programme/Project component (refer to the [Rio Markers guidance note](#) for more information, examples and instructions)

1

**Relevant Activity Codes (RACs)**

Indicate all the Relevant Activity Codes (RACs) that may apply to the Programme/Project components (refer to the [RACs guidance note](#) for more information, examples and instructions)

**No answer provided**

**Expected or achieved results**

Provide information on the results achieved or expected from the implementation of the Programme/Project (max 100 words).

- El Manual de Evaluación Local de la Degradación de Tierras Áridas (LADA –I), brinda una herramienta de alerta temprana de las consecuencias de los procesos de degradación.
- Metodología para el levantamiento y difusión de Buenas prácticas.
- Mapa Nacional de uso de la Tierra.
- Mapa Nacional de degradación de la Tierra.

**Sources of information**

Specify the sources used to extract the information provided above (add as many rows as necessary). If reporting online, you may also upload relevant documents.

- Informes Finales de proyectos de investigación y Desarrollo terminados en los Programas Científicos Técnicos, Informes Técnicos y de marcha enviados a FAO

**Attachments:**

- INSTITUCIONES Desertificacion Cuba.pdf

# Additional Information

## F. Additional information

The section on additional information is meant to provide an instrument of flexibility in the reporting exercise as well as to enrich the knowledge base of the CRIC on concrete issues faced by affected country Parties and consequently to make more targeted and specific recommendations to the COP. It allows affected country Parties to comment or report upon issues that are not covered elsewhere but that are nevertheless of importance at the national level or within the framework of the implementation of The Strategy and the Convention.

The additional information section allows feedback to be received on the reporting process and on the implementation of NAPs as well as lessons learnt, problems, constraints and bottlenecks faced in terms of human and financial resources. It is also meant to accommodate ad hoc COP requests for reporting on specific topics or new reporting requirements deriving from COP deliberations that may supersede existing ones and imply changes in implementation.

The proposed template for reporting is adjusted to the mandate of affected country Parties within the framework of the Convention, as requested by decision 13/COP.9, paragraph 17.

## Reporting process-related issues

---

### **Financial resources**

Could your country count on sufficient financial resources to meet UNCCD reporting obligations?

**No**

**Provide an estimate of the amount invested from your country's national budget into the UNCCD reporting process.**

**50000 US Dollar**

---

### **Human resources**

How many people were involved in your country in the UNCCD reporting process?

Number of people

**145**

**Estimate the total number of person/day dedicated by these persons to the UNCCD reporting process:**

Number of person/day

**7105**

---

### **Knowledge**

Could your country count on sufficient technical and scientific knowledge to meet UNCCD reporting obligations?

**Yes**

---

### **Coordination**

Was coordination with the relevant implementing agencies satisfactory in order to apply for necessary funds?

**Yes**

**Was coordination at the national level with the relevant line ministries satisfactory in order to comprehensively and coherently report?**

**Yes**

---

### **Participation and consultation**

Was a participatory or consultative approach applied to involve all relevant stakeholders in the reporting process?

**Yes**



---

***Validation meeting***

Was a validation meeting held as a tool to integrate stakeholders in the reporting process?

**Yes**

---

***Subregional and regional processes***

Did your country actively contribute to the subregional and regional reporting processes?

**No answer provided**

---

***PRAIS portal***

If you are reporting online, did you receive sufficient training on access and utilization of the PRAIS portal?

**Yes**

## Accommodation of specific requests within COP decisions

---

### **Report on specific COP requests – iterative process on indicators**

Decision 13/COP.9, paragraphs 2, 3 and 24, envisages an iterative process to refine the set of performance indicators provisionally adopted by the same decision. As a tool to implement this iterative process, affected country Parties can provide here their suggestions and recommendations for improvement.

Tick the cells only when you have experienced difficulties in reporting on one, or more, indicator(s). Indicate against which of the e-SMART criteria the indicator(s) needs to be improved.

	<b>economic</b>	<b>Specific</b>	<b>Measurable</b>	<b>Achievable</b>	<b>Relevant</b>	<b>Time-bound</b>
CONS-O-1			X			
CONS-O-3				X		X
CONS-O-4			X			
CONS-O-5					X	
CONS-O-7						
CONS-O-8		X				X
CONS-O-9		X				
CONS-O-10			X			
CONS-O-11			X			
CONS-O-13						
CONS-O-14			X	X	X	X
CONS-O-16	X	X				
CONS-O-17	X		X			X
CONS-O-18			X	X		

## Reporting on the implementation of NAP

---

*Which is the percentage of activities included in the NAP that are currently implemented?*

31-60%

---

### Human resources

---

*Lessons learnt (report on the 2 most important only)*

1

Este ejercicio, bajo la metodología PRAIS, involucra menos personas que las metodologías anteriores pero requiere de mayor preparación de la información y de manera permanente.

2

No permite hacer un análisis a lo interno del país acerca de la manera en que se han alcanzado las metas.

---

*Problems, constraints and bottlenecks currently faced by your country (report on the 2 most important only)*

1

Acceso permanente a INTERNET y baja conectividad.

2

No permite el trabajo simultáneo con varios actores y la validación de la información con las autoridades nacionales.

---

### Financial resources

---

*Lessons learnt (report on the 2 most important only)*

1

Necesidad de contar con recursos financieros suficientes y previsibles para establecer monitoreo programático de forma sistemático.

2

Necesidad de contar con recursos financieros previsibles a fin de establecer el proceso participativo.

---

*Problems, constraints and bottlenecks currently faced by your country (report on the 2 most important only)*

1

Insuficientes recursos financieros no permiten la contratación de recursos humanos para el trabajo simultáneo y de preparación del proceso.

2

Los recursos financieros no previsibles impidieron la planificación de actividades preparatorias, las oficinas nacionales no están capacitadas suficientemente.

## Any other country-specific issues

Has your country any specific issue to bring to the attention of the Conference of the Parties?

Yes

If yes, please specify under which of the following broad categories it can be classified.

### Category

Capacity-building and awareness-raising

Other (specify) (max 30 words)

**No answer provided**

### Narrative description

La degradación de tierras (DDT) es uno de los problemas ambientales importantes en Cuba. Así esta recogido en las estrategias ambientales y de desarrollo del país, por lo cual se considera una prioridad para el desarrollo de los recursos humanos, la ubicación de los recursos financieros así como las acciones de ciencia e innovación tecnológica que actualmente se desarrollan en Cuba.

Se están introduciendo los conceptos modernos de manejo sostenible de tierras (MST), como herramienta de lucha contra la desertificación y la sequía, dentro del marco de políticas, legislativo, institucional y de incentivos económicos, creándose nuevos espacios para la consulta, la sensibilización y la gestión del conocimiento en las Instituciones gubernamentales y no gubernamentales fundamentales.

La actualización de las normas técnicas, la divulgación de las regulaciones legales y un fuerte trabajo de sensibilización y educación ambiental, soportan el fomento y fortalecimiento de las capacidades actuales para introducir el MST, tanto en el entorno institucional como de toda la población en general ya sea en las esferas productivas, científicas, docentes y de la sociedad civil; ésta última acompaña de manera permanente y natural todas las actividades a lo largo del País y en especial, al nivel local a través de sus sistemas de extensionismo agrario y la educación y difusión de las experiencias de manera directa, de campesino a campesino.

El Sistema de Alerta temprana de la Sequía y su aplicación en las comunidades productivas, se inició en dos localidades y se espera su escalado progresivo en el próximo período, con un fuerte desarrollo de la agrometeorología y de sistemas de expertos para la predicción de éstos fenómenos. No obstante las limitaciones financieras actuales, estos conceptos están siendo manejados por la Defensa Civil de Cuba a través del sistema de análisis integrado de Peligro, Vulnerabilidad y Riesgo (PVR) que permitirá la adecuación de los planes de contingencia contra la sequía en los próximos periodos. Una capacidad adicional, que involucra a los países de la Cuenca del Caribe, está siendo desarrollada.

La movilización de recursos, proveniente en lo fundamental, del Plan de la Economía Nacional, tuvo en estos dos años un fuerte acompañamiento de los fondos del GEF y del apoyo del PNUD y la FAO, así como otras Agencias del Sistema de Naciones Unidas y ONGs vinculadas con éstos procesos; proyectos de mitigación y adaptación al cambio climático, que resultan sinérgicos con los objetivos del MST.

La Gestión del conocimiento ha tenido un importante impulso a través de la conclusión de 14 Programas Nacionales y Ramales de Investigación y Desarrollo (PNCT y PRCYT), cuyos resultados se han incluido en la Red cubana del Sistema de Información de Programas de Ciencia y Tecnología (SIPROCYT) y en el Repositorio Digital sobre MST; la reactivación de la información en la red interna de divulgación y en la red DESERCUBA, que incluye la información sustantiva generada por las instituciones que forman parte del Órgano de Coordinación Nacional para la Lucha contra la Desertificación y la Sequía; los avances en los estudios del estado de la diversidad biológica en Cuba y en particular de la zona seca, así como en los sistemas de Evaluación de la degradación de las tierras secas a través del proyecto LADA.

Discretos avances en la integración de las acciones de aprovechamiento de los recursos naturales con enfoque ecosistémico, marcan el inicio de la implementación de estos nuevos conceptos.

# Best Practices

## G. Best practices

According to decision 13/COP.9, Annex V, UNCCD best practices shall be collected according to seven themes: 1. SLM technologies, including adaptation; 2. Capacity building and awareness raising; 3. DLDD and SLM monitoring and assessment/research; 4. Knowledge management and decision support; 5. Policy, legislative, institutional framework; 6. Funding/resource mobilization; 7. Participation, collaboration and networking.

While themes 2 to 7 represent different elements of the enabling environment needed for the implementation and dissemination/up-scaling of sustainable land management (SLM) technologies (indirect impact), theme 1 comprises all actions on the ground that have a direct impact on desertification, land degradation and drought mitigation.

In particular, as specified in document ICCD/CRIC(8)/5/Add.5, paragraph 12, theme 1 'SLM technologies, including adaptation' refers to SLM technologies that directly contribute to the prevention, mitigation and rehabilitation of desertification and land degradation on cropland, grazing land and woodland, with the aim of improving the livelihoods of affected populations and conserving ecosystem services. Successful implementation of SLM technologies is the base for achieving strategic objectives 1, 2 and 3 of The Strategy. Theme 1 also integrates five of the strategic areas defined by decision 8/COP.4, namely: (a) sustainable land use management, including water, soil and vegetation in affected areas; (b) sustainable use and management of rangelands; (c) development of sustainable agricultural and ranching production systems; (d) development of new and renewable energy sources; and (e) launching of reforestation/afforestation programmes/ intensification of soil conservation programmes.

ICCD/CRIC(8)/5/Add.5 provides definitions for 'practice', 'good practice' and 'best practice'. These definitions are included in the common glossary that shall be referred to by Parties and other reporting entities while reporting to UNCCD, according to decision 13/COP.9, paragraph 8.

The template for reporting is based on the general structure for the documentation of best practices contained in ICCD/CRIC(8)/5/Add.5, paragraphs 40 to 43; it is tailored to the documentation of best practices related to theme 1 'SLM technologies, including adaptation'.

## Best Practice #1 — Sistemas agrosilvopastoriles.

---

### Property rights

Clarify if the technology described in the template, or a part of it, is covered by property rights:

**No**

**If yes, please provide relevant information on the holder of the rights.**

**(max 100 words)**

**No answer provided**

---

### Section 1. Context of the best practice: frame conditions (natural and human environment)

---

#### Title of the best practice

**Sistemas agrosilvopastoriles.**

---

#### Location (if available, also include a map)

**Nacional**

#### Attachments:

none

---

**If the location has well defined boundaries, specify its extension in hectares**

Hectares (ha)

**200000**

---

**Estimated population living in the location**

Number of people

**No answer provided**

---

**Prevailing land use within the specified location**

- Cropland
- Grazing land
- Woodland
- Unproductive land
- Human settlement

**Other (specify) (max 30 words)**

**No answer provided**

---

**Brief description of the natural environment within the specified location**

Climate: (max 50 words)

Tropical seco, 750 - 1000 mm de lluvia, 30 grados de temperatura promedio anual.

Soil: (max 50 words)

Arcillosos y loam arcillosos. Clasifican como Oscuros plásticos y Pardos con carbonatos y sin carbonatos.

Topography: (max 50 words)

El silvopastoreo, es una modalidad aplicada en áreas con limitaciones para la agricultura por su topografía o pobre fertilidad. Generalmente topografía llana a ondulada

---

**Prevailing socio-economic conditions of those living in the location and/or nearby**

Income level: (max 50 words)

Condiciones medias. Los costos de implementación del sistema, aunque son bajos, se requiere de ciertas inversiones iniciales para el control y manejo del ganado y las áreas de pos cosecha. Este financiamiento proviene del presupuesto del Estado Cubano

Main income sources: (max 50 words)

Fuentes de ingreso, venta de leche, aprovechamiento de madera, venta de frutas y otros productos no maderables; cultivos de subsistencia.

Land tenure and land use rights: (max 50 words)

Cooperativas de producción bajo diversas formas de tenencia.

---

**Short description of the best practice**

max 250 words

Sistema mixto de producción diversificada que incluye cultivos permanentes y temporales (producción de hortalizas, pastos y diversas especies para la producción de alimento animal intercalados bajo frutales, o árboles maderables) y el establecimiento de áreas de desarrollo de animales (enclaustrados o no) con un aprovechamiento eficiente de los espejos de agua y de los residuales agrícolas.

Este sistema contempla el cierre del ciclo alimentación - producción - protección ambiental como una tecnología sin residuales.

El silvopastoreo, es una modalidad aplicada en áreas con limitaciones para la agricultura por su topografía o pobre fertilidad. Estas extensiones están dedicadas al pastoreo directo de vacunos, porcinos y caprinos así como para la actividad apícola. Generalmente, los árboles frutales y maderables están dispuestos de manera dispersa ya que su principal función es proporcionar sombra e indirectamente, alimento.

Las especies arbustivas mas comunes son: Samanea samán (Algarrobo del país), Guazuma ulmifolia (guásima), Cordia collococca (ateje) y Phithecellobium dulce (inga). En menor cuantía se encuentran también el Calophyllum brasiliense var antillanum (ocuje), Brucida bruceras (júcaro), Cedrela odorata (cedro) y Geoffroea germis.

---

***On the basis of which criteria and/or indicator(s) (not related to The Strategy) the proposed practice and corresponding technology has been considered as 'best'?***

max 100 words

**Valoración de posibilidades de aplicación en otras áreas, la efectividad y el impacto de los servicios de los ecosistemas**

### **1. Servicios Productivos**

**Producción**

**Calidad del agua para consumo humano, animal y vegetal.**

**Aprovechamiento de la tierra**

### **2. Servicios Ecológicos (regulando / apoyando)**

**Ciclo de agua y régimen hidrológico .**

**Estado de la materia orgánica**

**Cobertura del suelo (vegetación viva o muerta)**

**Estructura de la tierra: encostramiento, capacidad infiltración del agua; e retención de nutrientes, salinidad, etc.**

**Ciclo nutriente (N, P, K) y ciclo del carbono (C)**

**Formación de suelos**

**Biodiversidad**

**Emisión de gases efecto invernadero**

### **3. Servicios Socio-culturales y bienestar humano**

**Paisaje espiritual, estético, cultural y valores patrimoniales, recreación y turismo.**

**Educación y conocimiento (incluyendo conocimiento indígena y tradicional.**

**Seguridad alimentaria, salud y pobreza .Ingreso neto.**

**Infraestructura**

**Indice de boscosidad**

**Erosion**

---

**Section 2. Problems addressed (direct and indirect causes) and objectives of the best practice**

---

***With respect to DLDD, the best practice directly contributes to:***

- **Prevention**
  - **Mitigation**
  - **Rehabilitation**
- 

***Main problems addressed by the best practice***

(max 50 words)

- **Erosión, mal drenaje, perdida de cobertura vegetal**
- 

***Outline specific land degradation problems addressed by the best practice***

max 100 words

**Erosión del suelo.** Es uno de los principales problemas en las áreas ocupadas por esta practica. La topografía del paisaje y las prácticas no sostenibles en cuanto al manejo del ganado, propiciaron la pérdida de suelos en volúmenes superiores a las 25 - 30 t/ha/año.

**Poca cobertura boscosa.** Este problema es histórico en esa zona. El fomento y protección de las áreas con este sistema, ha logrado incrementar la cobertura vegetal y disminuir la erosión provocada por el pastoreo incontrolado.

---

***Specify the objectives of the best practice***

(max 50 words)

- **Sistemas múltiples de uso de tierra en asociación de árboles – cultivos agrícolas – ganadería en interacciones entre los componentes del sistema.**  
**Forestación, reforestación.**  
**Recolección y concentración de escurrimiento de lluvia superficial.**  
**Diversificación de productos.**
- 

**Section 3. Activities**

---

***Brief description of main activities, by objective***

Objective 1

(max 50 words)

- **Reforestación**  
**Selección de variedades autóctonas y otras variedades complementarias.**  
**Reproducción de variedades**  
**Confinamiento del ganado**

***Objective 2***

(max 50 words)

- **Cercado y establecimiento de límites**  
**Siembra de árboles**  
**Enriquecimiento del bosque**

***Objective 3***

(max 50 words)

- **Establecimiento de áreas de autoconsumo y cultivos de supervivencia.**  
**Establecimiento de áreas de alimento animal**

***Objective 4***

(max 50 words)

- **Introducción del ganado en el área reforestada (2 años)**  
**Mantenimiento del bosque**  
**Explotación de los recursos ganaderos**
- 

***Short description of the technology***

max 250 words

**Sistema mixto de producción diversificada que incluye cultivos permanentes y temporales (producción de hortalizas, pastos y diversas especies para la producción de alimento animal intercalados bajo frutales, o árboles maderables) y el establecimiento de áreas de desarrollo de animales (enclaustrados o no) con un aprovechamiento eficiente de los espejos de agua y de los residuales agrícolas.**



Este sistema contempla el cierre del ciclo alimentación - producción - protección ambiental como una tecnología sin residuales.

---

**Technical specifications of the technology - if any**

max 250 words

Tecnología exclusiva para áreas con topografía llana a ondulada, pendientes menores de 15% en caso de ganadería mayor y 20% en ganadería menor.

Empleo de arboles de uso multiple, principalmente para mitigación de condiciones de sequía, demarcación de linderos, sombra, control de plagas y enfermedades, entre otros.

---

**Section 4. Institutions/actors involved (collaboration, participation, role of stakeholders)**

---

**Name and address of the institution developing the technology**

**Name**

Instituto de Investigaciones Forestales

**Address**

Calle 174 # 1723 entre 17B y 17C, Siboney, Playa. Ciudad de la Habana. Cuba

---

**Was the technology developed in partnership?**

No

**If yes, list the partners:**

No answer provided

---

**Specify the framework within which the technology was promoted**

- National initiative – government-led

**Other (specify) (max 30 words)**

No answer provided

---

**Was the participation of local stakeholders, including CSOs, fostered in the development of the technology?**

Yes

**If yes, list local stakeholders involved:**

- Cooperativas de Creditos y Servicios  
Cooperativas de Producción Agropecuaria  
Asociación Nacional de Agricultores Pequeños  
Asociación Cubana de Producción Animal
- 

**For the stakeholders listed above, specify their role in the design, introduction, use and maintenance of the technology, if any.**

max 250 words

Investigación científica, extensión agrícola

Extensión y promoción

Aplicación y seguimiento - evaluación de resultados

---

**Was the population living in the location and/or nearby involved in the development of the technology?**

Yes

*If yes, by means of what?*

- Consultation
- Participatory approaches

*Other (specify) (max 30 words)*

**No answer provided**

---

## Section 5. Contribution to impact

---

*Specify to which strategic objectives of The Strategy the technology contributes*

(more than one box can be ticked)

- 1. To improve the living conditions of affected population
  - 2. To improve the conditions of affected ecosystems
- 

*Describe on-site impacts (the major two impacts by category)*

Production or productivity:

1. (max 50 words)

**Incremento de la seguridad alimentaria**

2. (max 50 words)

**Diversidad alimentaria**

*Socio-economic level (including cultural level):*

1. (max 50 words)

**Paisaje espiritual, estético, cultural y valores patrimoniales, recreación y turismo,**

2. (max 50 words)

**Educación y conocimiento (incluyendo conocimiento indígena y tradicional)**

*Environmental level:*

1. (max 50 words)

**Formación de suelos.**

2. (max 50 words)

**Reduccion de las perdidas de suelo**

*Other (specify)*

1. (max 50 words)

**Capacidad de infiltración de agua subterránea, para mejorar la tierra y la recarga de los acuíferos, disminuye salinidad y aumenta disponibilidad de agua**

2. (max 50 words)

**Protección contra riesgos naturales: inundaciones, vientos fuertes, temblores de tierra.**

---

*Describe the major two off-site (i.e. not occurring in the location but in the surrounding areas) impacts*

1. (max 50 words)

**Disponibilidad de alimentos**

2. (max 50 words)

**Calidad del aire**

---

*Impact on biodiversity and climate change*

In your opinion does the best practice/technology you have proposed positively impact on biodiversity conservation?

Yes

**Explain the reasons:**

max 250 words

Este sistema contribuye al desarrollo forestal sostenible del país al propio tiempo que su composición determina el incremento y la variedad de especies en flora y fauna.

Los bosques, especialmente los bosques tropicales, son fuente de servicios ecosistémicos fundamentales para el ser humano, como son la inducción de lluvias, la regulación de los flujos de las aguas, la protección de las cuencas, y el reciclaje de los nutrientes, entre otros.

**In your opinion does the best practice/technology you have proposed positively impact on climate change mitigation?**

Yes

**Explain the reasons:**

max 250 words

Esta tecnología proporciona el incremento de los bosques los cuales establecidos extraen grandes cantidades de carbono de la atmósfera y lo fijan en los tejidos de los árboles que los componen. Entre sus funciones, los bosques tropicales también contribuyen a la disminución de las temperaturas, por el efecto de evapotranspiración y evaporación que se produce en la cubierta forestal. Los bosques juegan un papel primordial en la mitigación del cambio climático.

En Cuba podemos mencionar como medidas de mitigación del cambio climático asociada a la práctica las siguientes:

1. La aplicación del sistema de criterios e indicadores del manejo forestal sostenible, que permita el control periódico y sistemático del estado de los bosques del país.
2. Su vínculo con el Ordenamiento Forestal del país.

**In your opinion does the best practice/technology you have proposed positively impact on climate change adaptation?**

Yes

**Explain the reasons:**

max 250 words

Cuba dispone de resultados sobre las manifestaciones de la variabilidad climática y el cambio climático, las políticas de adaptación y mitigación y sus repercusiones sociales, económicas y ambientales, que junto al conocimiento de la situación forestal nacional, permiten diseñar políticas dirigidas a reducir las emisiones por cambio de uso de la tierra, y la degradación de los bosques existentes por tanto esta práctica también contribuye.

En Cuba podemos mencionar como medidas de adaptación al cambio climático asociadas a la práctica las siguientes:

1. La diversificación en la composición de las especies para elevar la diversidad biológica de los bosques.
2. La adecuada especialización de la reforestación para los diferentes ecosistemas, que incluya las variedades adaptables a los mismos, ya sea con funciones ambientales o de valor económico, y el enriquecimiento de la diversidad en la flora forestal y su consiguiente control después de la implantación.
3. El mejoramiento de las fuentes semillas del país y en su preservación ante catástrofes, para lograr el cumplimiento de la producción con la calidad y estabilidad requeridas.
4. El incrementar los índices de supervivencia y logro de las plantaciones; haciendo especial énfasis en ecosistemas frágiles.

---

**Has a cost-benefit analysis been carried out?**

Yes

*If yes, summarize its main conclusions:*

max 250 words

Los costos, aunque son bajos, se requiere de ciertas inversiones iniciales para el control y manejo del ganado y las áreas de pos cosecha.

---

## Section 6. Connection to other UNCCD themes

---

*Specify if the technology relates to one or more of the other UNCCD themes*

- Capacity-building and awareness-raising
  - DLDD and SLM monitoring and assessment/research
  - Knowledge management and decision support
  - Policy; legislative; institutional framework
  - Funding/resource mobilization
  - Participation, collaboration and networking
- 

## Section 7. Adoption and replicability

---

*Was the technology disseminated/introduced to other locations?*

Yes

*If yes, where? (add as many rows as necessary)*

Location:

- En todo el país
- 

*Were incentives to facilitate the take up of the technology provided?*

Yes

*If yes, specify which type of incentives*

- Policy or regulatory incentives (for example, related to market requirements and regulations, import/export, foreign investment, research & development support, etc)
  - Financial incentives (for example, preferential rates, State aid, subsidies, cash grants, loan guarantees, etc)
- 

*Can you identify the three main conditions that led to the success of the presented best practice/technology?*

Examples of conditions leading to success may include: highly motivated local governments, farmers organized into well structured cooperatives, extremely favorable weather conditions, etc. For each 'condition of success' you are able to identify, specify whether in your opinion such condition is: (a) linked to the local context and thus cannot be replicated elsewhere; (b) replicable elsewhere with some level of adaptation; (c) replicable elsewhere with major adaptation.

1. (max 50 words)

Existencia de areas adecuadas

2. (max 50 words)

Campesinos interesados y capacitados

3. (max 50 words)

Existencia de un programa de mejoramiento y conservacion de suelos y un fondo forestal que apoye tecnica y financieramente.

---

*In your opinion, the best practice/technology you have proposed can be replicated, although with some level of*

*adaptation, elsewhere?*

Yes

*If yes, at which level?*

- Local
  - Sub-national
  - National
  - Subregional
  - Regional
  - International
- 

## Section 8. Lessons learned

---

*Related to human resources*

(max 50 words)

- Incremento de educación y conocimientos acerca del manejo integrado de sistemas planificados de producción.
- 

*Related to financial aspects*

(max 50 words)

- Inversiones redituables al corto plazo
- 

*Related to technical aspects*

(max 50 words)

- Manejo de ecosistemas complejos a través de sistemas integrados

## Best Practice #2 — Uso de materiales orgánicos como mejoradores de los suelos

---

### **Property rights**

Clarify if the technology described in the template, or a part of it, is covered by property rights:

**Yes**

***If yes, please provide relevant information on the holder of the rights.***

***(max 100 words)***

**Andrés Fuentes**

**Institución: Instituto de Suelos**

**E mail: bcalero@minag.cu**

---

### **Section 1. Context of the best practice: frame conditions (natural and human environment)**

---

#### ***Title of the best practice***

**Uso de materiales orgánicos como mejoradores de los suelos**

---

#### ***Location (if available, also include a map)***

**Nacional**

#### **Attachments:**

none

---

#### ***If the location has well defined boundaries, specify its extension in hectares***

Hectares (ha)

**500000**

---

#### ***Estimated population living in the location***

Number of people

**No answer provided**

---

#### ***Prevailing land use within the specified location***

- **Cropland**
- **Grazing land**
- **Woodland**
- **Unproductive land**
- **Human settlement**

#### ***Other (specify) (max 30 words)***

**No answer provided**

---

#### ***Brief description of the natural environment within the specified location***

Climate: (max 50 words)

**Suelos afectados por factores limitantes edaficos: compactacion, mal drenaje, bajo contenido de materia organica, suelos salinos y erosionados.**

#### ***Soil: (max 50 words)***

**compactado, con mal drenaje, bajo contenido de materia orgánica, salinos y erosionados**

#### ***Topography: (max 50 words)***

**Llana, ondulada y con pendientes**

---

#### ***Prevailing socio-economic conditions of those living in the location and/or nearby***

Income level: (max 50 words)

**No answer provided**

**Main income sources: (max 50 words)**

**No answer provided**

**Land tenure and land use rights: (max 50 words)**

**No answer provided**

---

**Short description of the best practice**

max 250 words

Consiste en la aplicación de diversos materiales orgánicos y otros materiales residuales de los procesos productivos diversos, ya sean agrícolas e industriales, sobre la superficie de los suelos o incorporada a estos.

**Cobertura de los suelos con paja.**

**Breve descripción:** Consiste en dejar en los campos la paja de caña, residuos de plátano u otros restos vegetales resultante de la cosecha tradicional esparcida sobre el suelo de manera que constituya una cubierta sobre el mismo.

**Uso de cenizas y otros residuos del proceso de beneficio de la caña de azúcar.**

**Breve descripción:** La ceniza, mezclada o no con la cachaza u otro producto residual del proceso de fabricación, además de incrementar la permeabilidad de los suelos y su riqueza orgánica y mineral, propicia la obtención de altos rendimientos agrícolas. Se incorpora a los suelos en el momento de la preparación.

**Residuales líquidos de la industria azucarera.**

**Breve descripción:** Es aplicable a todo tipo de suelos cultivados con caña de azúcar, para el mejoramiento de los suelos compactados, salinos y erosionados. Incremento de los contenidos de materia orgánica, en especial de nitrógeno, carbono total y de los compuestos húmicos, lo cual beneficia la estabilidad de los agregados del suelo e incrementa la biomasa bacteriana.

**Producción y uso de compost.**

**Breve descripción:** Se conoce como compost la fermentación aeróbica de los residuos orgánicos agrícolas y domésticos. El almacenamiento en pilas hasta su total descomposición es, en ocasiones, acelerada con la aplicación de bioproductos que contienen microorganismos apropiados. Se aplica para el mejoramiento de los suelos.

**Abonos verdes.**

**Breve descripción:** Consiste en la siembra de diferentes especies de plantas leguminosas, que entre sus características se encuentra la alta capacidad fijadora de nitrógeno atmosférico y su incorporación al suelo como material vegetal hasta su descomposición. Es un eficiente mejorador de las condiciones físicas y química de los suelos. Entre las especies mas empleadas se encuentran la sesbania (*Sesbania rostrata*), soya (*Glycine max L.* ), frijol terciopelo (*Stizolobium deeringianum* ) y otras variedades de vigna y *phaseolus*.

---

**On the basis of which criteria and/or indicator(s) (not related to The Strategy) the proposed practice and corresponding technology has been considered as 'best'?**

max 100 words

**Compactación,Estructura del suelo,Nutrientes (NPK), pH**

---

**Section 2. Problems addressed (direct and indirect causes) and objectives of the best practice**

---

***With respect to DLDD, the best practice directly contributes to:***

- **Prevention**
  - **Mitigation**
  - **Adaptation**
  - **Rehabilitation**
- 

***Main problems addressed by the best practice***

(max 50 words)

- **Bajo contenido de materia orgánica, perdidas de nutrientes y las físicas y químicas del suelo; reciclaje de nutrientes , mal drenaje, erosión del suelo, control de plantas indeseables.**
- 

***Outline specific land degradation problems addressed by the best practice***

max 100 words

**No answer provided**

---

***Specify the objectives of the best practice***

(max 50 words)

- **Su uso permite:**
    - una mejor economía del agua, disminución de la erosión del suelo, control de plantas indeseables, incorporación de materia orgánica a los suelos y con esto mejora de las propiedades físicas y químicas; reciclaje de nutrientes y efecto de termorregulación.
- 

### **Section 3. Activities**

---

***Brief description of main activities, by objective***

**Objective 1**

(max 50 words)

- **Cobertura de los suelos con paja.**

Consiste en dejar en los campos la paja de caña, residuos de plátano u otros restos vegetales resultante de la cosecha tradicional esparcida sobre el suelo de manera que constituya una cubierta sobre el mismo.

**Objective 2**

(max 50 words)

- **Uso de cenizas y otros residuos del proceso de propicia la obtención de altos rendimientos agrícolas.**

**Objective 3**

(max 50 words)

- **Residuales líquidos de la industria azucarera.**

Es aplicable a todo tipo de suelos cultivados con caña de azúcar, para el mejoramiento de los suelos compactados, salinos y erosionados. Incremento de los contenidos de materia orgánica

**Objective 4**

(max 50 words)

- **Producción y uso de compost:Se aplica para el mejoramiento de los suelos.**
  - **Abonos verdes:Es un eficiente mejorador de las condiciones físicas y química de los suelos.**
- 

***Short description of the technology***

max 250 words

**Consiste en la aplicación de diversos materiales orgánicos y otros materiales residuales de los procesos**



productivos diversos, ya sean agrícolas e industriales, sobre la superficie de los suelos o incorporada a estos.

---

**Technical specifications of the technology - if any**

max 250 words

**Existen modalidades que incluyen las siguientes prácticas:**

**Cobertura de los suelos con paja.**

**Breve descripción:** Consiste en dejar en los campos la paja de caña, residuos de plátano u otros restos vegetales resultante de la cosecha tradicional esparcida sobre el suelo de manera que constituya una cubierta sobre el mismo.

**Uso de cenizas y otros residuos del proceso de beneficio de la caña de azúcar.**

**Breve descripción:** La ceniza, mezclada o no con la cachaza u otro producto residual del proceso de fabricación, además de incrementar la permeabilidad de los suelos y su riqueza orgánica y mineral, propicia la obtención de altos rendimientos agrícolas. Se incorpora a los suelos en el momento de la preparación.

**Residuales líquidos de la industria azucarera.**

**Breve descripción:** Es aplicable a todo tipo de suelos cultivados con caña de azúcar, para el mejoramiento de los suelos compactados, salinos y erosionados. Incremento de los contenidos de materia orgánica, en especial de nitrógeno, carbono total y de los compuestos húmicos, lo cual beneficia la estabilidad de los agregados del suelo e incrementa la biomasa bacteriana.

**Producción y uso de compost.**

**Breve descripción:** Se conoce como compost la fermentación aeróbica de los residuos orgánicos agrícolas y domésticos. El almacenamiento en pilas hasta su total descomposición es, en ocasiones, acelerada con la aplicación de bioproductos que contienen microorganismos apropiados. Se aplica para el mejoramiento de los suelos.

**Abonos verdes.**

**Breve descripción:** Consiste en la siembra de diferentes especies de plantas leguminosas, que entre sus características se encuentra la alta capacidad fijadora de nitrógeno atmosférico y su incorporación al suelo como material vegetal hasta su descomposición. Es un eficiente mejorador de las condiciones físicas y química de los suelos. Entre las especies mas empleadas se encuentran la sesbania (*Sesbania rostrata*), soya (*Glycine max L.* ), frijol terciopelo (*Stizolobium deeringianum* ) y otras variedades de vigna y *phaseolus*.

---

**Section 4. Institutions/actors involved (collaboration, participation, role of stakeholders)**

---

**Name and address of the institution developing the technology**

**Name**

Instituto de Suelos

**Address**

Carretera este - oeste, Cabdevila, Boyeros, Ciudad de la Habana, teléfono 537 (Teléfono: 645 2724)

---

**Was the technology developed in partnership?**

Yes

**If yes, list the partners:**

- Cooperativas agropecuarias.  
Cooperativas de creditos y servicios

---

**Specify the framework within which the technology was promoted**

- National initiative – government-led
- Programme/project-based initiative

**Other (specify) (max 30 words)**

**No answer provided**

---

**Was the participation of local stakeholders, including CSOs, fostered in the development of the technology?**  
Yes

**If yes, list local stakeholders involved:**

- Cooperativas de Producción Agropecuarias (CPA).  
Cooperativas de Créditos y Servicios (CCS).  
Unidades Básicas de Producción Cooperativa (UBPC).  
Centros de Investigaciones agrícolas.  
Pequeños agricultores privados.  
Extensionistas agrícolas  
Decidores a diferentes niveles: nacional, sectorial, provinci
- 

**For the stakeholders listed above, specify their role in the design, introduction, use and maintenance of the technology, if any.**

max 250 words

**Promoción de la replicación de las tecnologías.  
Facilitaran los procesos de análisis y experimentación**

---

**Was the population living in the location and/or nearby involved in the development of the technology?**  
Yes

**If yes, by means of what?**

- Consultation
- Participatory approaches

**Other (specify) (max 30 words)**

**Implementación de la tecnología**

---

## **Section 5. Contribution to impact**

---

**Specify to which strategic objectives of The Strategy the technology contributes**

(more than one box can be ticked)

- 1. To improve the living conditions of affected population
  - 2. To improve the conditions of affected ecosystems
  - 3. To generate global benefits through effective implementation of the UNCCD
- 

**Describe on-site impacts (the major two impacts by category)**

Production or productivity:

1. (max 50 words)

**Incremento de los rendimientos y las producciones, así como , su variedad.**

2. (max 50 words)

**No answer provided**

**Socio-economic level (including cultural level):**

1. (max 50 words)

**Aumento del capital financiero a través del incremento y variedad de las producciones, incrementándose así la oferta en el mercado local.**

**Incremento del número de áreas de suelo disponibles para la explotación; así como en rotación de cultivos, dando como resultado el incremento de los rendimien**

2. (max 50 words)

**No answer provided**

**Environmental level:**

1. (max 50 words)

**Elevar la conciencia de los productores**

**Incremento de los rendimientos y las producciones; lo que a su vez favorecen los ingresos y mejora la calidad de vida del campesino.**

**Se eleva el conocimiento teóricos-prácticos en los productores; permitiendo el éxito en las unidades de producción.**

2. (max 50 words)

**No answer provided**

**Other (specify)**

1. (max 50 words)

**No answer provided**

2. (max 50 words)

**No answer provided**

---

**Describe the major two off-site (i.e. not occurring in the location but in the surrounding areas) impacts**

1. (max 50 words)

**No answer provided**

2. (max 50 words)

**No answer provided**

---

**Impact on biodiversity and climate change**

**In your opinion does the best practice/technology you have proposed positively impact on biodiversity conservation?**

**Yes**

**Explain the reasons:**

max 250 words

**Contribuido con la preservación de la biodiversidad**

**Fomenta el equilibrio y regulación ecológica, la selección y producción de variedades vegetales en función de las condiciones naturales.**

**Todas estas actividades han posibilitado la utilización de variedades más adaptadas a las condiciones edafoclimáticas, aumentando la biodiversidad de las mismas, lo que trae consigo un aporte a la soberanía y seguridad alimentaria contribuyendo así con la gradual sustitución de importaciones al país.**

**In your opinion does the best practice/technology you have proposed positively impact on climate change mitigation?**

**Yes**

**Explain the reasons:**

max 250 words

**No answer provided**

**In your opinion does the best practice/technology you have proposed positively impact on climate change**

**adaptation?**

Yes

**Explain the reasons:**

max 250 words

**No answer provided**

---

**Has a cost-benefit analysis been carried out?**

Yes

**If yes, summarize its main conclusions:**

max 250 words

La aplicación de estos productos orgánicos tiene un bajo costo en dependencia de la distancia de transportación de los materiales hacia las áreas a beneficiar. Por esta razón se considera deseable el uso de producciones locales.

---

## Section 6. Connection to other UNCCD themes

---

**Specify if the technology relates to one or more of the other UNCCD themes**

- Capacity-building and awareness-raising
  - DLDD and SLM monitoring and assessment/research
  - Knowledge management and decision support
  - Policy; legislative; institutional framework
  - Funding/resource mobilization
  - Participation, collaboration and networking
- 

## Section 7. Adoption and replicability

---

**Was the technology disseminated/introduced to other locations?**

Yes

**If yes, where? (add as many rows as necessary)**

Location:

- Nacional
- 

**Were incentives to facilitate the take up of the technology provided?**

Yes

**If yes, specify which type of incentives**

- Policy or regulatory incentives (for example, related to market requirements and regulations, import/export, foreign investment, research & development support, etc)
  - Financial incentives (for example, preferential rates, State aid, subsidies, cash grants, loan guarantees, etc)
- 

**Can you identify the three main conditions that led to the success of the presented best practice/technology?**

Examples of conditions leading to success may include: highly motivated local governments, farmers organized into well structured cooperatives, extremely favorable weather conditions, etc. For each 'condition of success' you are able to identify, specify whether in your opinion such condition is: (a) linked to the local context and thus cannot be replicated elsewhere; (b) replicable elsewhere with some level of adaptation; (c) replicable elsewhere with major adaptation.

1. (max 50 words)

Voluntad política del Estado Cubano.

2. (max 50 words)

Fuerte marco legal:

Ley 76/1995, Ley de minas.

Ley 81/1997, Ley de Medio Ambiente.

Ley 85/1998, Ley Forestal.

Decreto 179/1993, sobre la protección, uso y conservación de suelos.

Decreto 138/1993, sobre aguas terrestres.

3. (max 50 words)

Sus documentos programáticos:

1. Estrategia Ambiental Nacional 2007-2010

2. Plan de Acción Nacional para combatir la desertificación y la sequía.

---

*In your opinion, the best practice/technology you have proposed can be replicated, although with some level of adaptation, elsewhere?*

Yes

*If yes, at which level?*

- Local
- Sub-national
- National
- Subregional
- Regional
- International

---

## Section 8. Lessons learned

*Related to human resources*

(max 50 words)

- Preparación técnica y profesional, así como a la superación de los productores en el tema del cuidado y mantenimiento del recurso suelo, mediante los servicios científicos técnicos, y apoyados por los especialistas municipales del Ministerio de Ciencia Tecnología y Medio Ambiente, importante eslabón que media directamente con los productores.

*Related to financial aspects*

(max 50 words)

**No answer provided**

*Related to technical aspects*

(max 50 words)

- Creación de capacidades intelectuales con la base de conocimientos más amplios a través de cursos integrales de capacitación que interrelacionan sinérgicamente las tres convenciones.

## Best Practice #3 — Huertos caseros y fincas integrales

---

### *Property rights*

Clarify if the technology described in the template, or a part of it, is covered by property rights:

**No**

*If yes, please provide relevant information on the holder of the rights.*

*(max 100 words)*

**No answer provided**

---

### Section 1. Context of the best practice: frame conditions (natural and human environment)

---

### *Title of the best practice*

**Huertos caseros y fincas integrales**

---

### *Location (if available, also include a map)*

**Nacional**

### **Attachments:**

none

---

### *If the location has well defined boundaries, specify its extension in hectares*

Hectares (ha)

**No answer provided**

---

### *Estimated population living in the location*

Number of people

**100000**

---

### *Prevailing land use within the specified location*

- **Cropland**
- **Grazing land**
- **Woodland**
- **Unproductive land**
- **Human settlement**

### *Other (specify) (max 30 words)*

**No answer provided**

---

### *Brief description of the natural environment within the specified location*

Climate: (max 50 words)

**No answer provided**

### *Soil: (max 50 words)*

Los huertos caseros son áreas de pequeña extensión para el desarrollo de cultivos de subsistencia a nivel familiar.

### *Topography: (max 50 words)*

Llano, ondulado fundamentalmente aunque hay experiencias en terrenos con pendientes.

---

### *Prevailing socio-economic conditions of those living in the location and/or nearby*

Income level: (max 50 words)

**No answer provided**

**Main income sources: (max 50 words)**

La venta de los productos.

**Land tenure and land use rights: (max 50 words)**

En Cuba prevalece un adecuado modelo de gestión basado en la autonomía, con buenos precios del productor, en donde el agricultor familiar toma sus propias decisiones y se vincula a la empresa que le facilita diversos medios, le presta algunos servicios técnicos y de comercialización y ambos niveles se integran bajo una conjunción de intereses en función de un objetivo común que nos es otra que garantizar los productos necesarios para el consumo social y otros de la población.

---

**Short description of the best practice**

max 250 words

Los sistemas integrales de producción consideran la producción de alimentos de origen vegetal y animal, plantas medicinales, procesamiento para la conservación de alimentos y el diseño de un sistema de distribución adecuado de manera que la finca o área de producción sea sostenible. Según su extensión, pueden ser huertos caseros o fincas integrales.

Las fincas integrales constituyen unidades productivas de alrededor de 5 há. en la que se combinan los sistemas de producción diversificado a mediana escala. Se incorporan técnicas para la conservación y almacenamiento de los productos tales como el procesamiento artesanal de vegetales secos o en conservas y otras tecnologías de conservación y procesamiento de vegetales, granos y frutas. Las fincas integrales consideran los sistemas de distribución de los productos al por mayor y al detalle en dependencia de la cercanía del mercado.

---

**On the basis of which criteria and/or indicator(s) (not related to The Strategy) the proposed practice and corresponding technology has been considered as 'best'?**

max 100 words

Valor de la producción comercializada  
Valor de la producción/ hectarea.  
Costo por peso  
Ingreso promedio

---

**Section 2. Problems addressed (direct and indirect causes) and objectives of the best practice**

---

**With respect to DLDD, the best practice directly contributes to:**

- Prevention
  - Mitigation
  - Rehabilitation
- 

**Main problems addressed by the best practice**

(max 50 words)

- Deficit alimentario  
Eliminar la areas ociosas
- 

**Outline specific land degradation problems addressed by the best practice**

max 100 words

Compactación  
Perdida de nutrientes y de las propiedades físicas y químicas de los suelos

---

**Specify the objectives of the best practice**

(max 50 words)

- **Máximo aprovechamiento del área agrícola**  
**Aumento de la producción y productividad de las tierras laborables.**  
**Aprovechamiento de las tierras marginales**  
**Mejora de los ambientes**  
**Mínimo gasto de energía fósil**  
**Protección de las características físicas y químicas de los suelos**  
**Uso eficiente de los recursos hídricos**
- 

### **Section 3. Activities**

---

#### ***Brief description of main activities, by objective***

Objective 1

(max 50 words)

**No answer provided**

**Objective 2**

(max 50 words)

**No answer provided**

**Objective 3**

(max 50 words)

**No answer provided**

**Objective 4**

(max 50 words)

**No answer provided**

---

#### ***Short description of the technology***

max 250 words

**Los sistemas integrales de producción consideran la producción de alimentos de origen vegetal y animal, plantas medicinales, procesamiento para la conservación de alimentos y el diseño de un sistema de distribución adecuado de manera que la finca o área de producción sea sostenible. Según su extensión, pueden ser huertos caseros o fincas integrales.**

**Las fincas integrales constituyen unidades productivas de alrededor de 5 há. en la que se combinan los sistemas de producción diversificado a mediana escala. Se incorporan técnicas para la conservación y almacenamiento de los productos tales como el procesamiento artesanal de vegetales secos o en conservas y otras tecnologías de conservación y procesamiento de vegetales, granos y frutas. Las fincas integrales consideran los sistemas de distribución de los productos al por mayor y al detalle en dependencia de la cercanía del mercado.**

---

#### ***Technical specifications of the technology - if any***

max 250 words

**Las fincas integrales constituyen unidades productivas de alrededor de 5 há. en la que se combinan los sistemas de producción diversificado a mediana escala. Se incorporan técnicas para la conservación y almacenamiento de los productos tales como el procesamiento artesanal de vegetales secos o en conservas y otras tecnologías de conservación y procesamiento de vegetales, granos y frutas. Las fincas integrales consideran los sistemas de distribución de los productos al por mayor y al detalle en dependencia de la cercanía del mercado.**

**Los sistemas integrales de producción consideran la producción de alimentos de origen vegetal y animal,**



plantas medicinales, procesamiento para la conservación de alimentos y el diseño de un sistema de distribución adecuado de manera que la finca o área de producción sea sostenible. Según su extensión, pueden ser huertos caseros o fincas integrales.

Los huertos caseros son áreas de pequeña extensión para el desarrollo de cultivos de subsistencia a nivel familiar. Son también conocidos en Cuba como conucos. Se combinan los más disímiles cultivos de hortalizas tales como tomate (*Lycopersicon esculentum* Milld.), lechuga (*Lactuca sativa* L.), berro (*Nasturtium officinale* R.), habichuelas (vignas), frijol (*Phaseolus*); de viandas como el plátano (*Musa paradisiaca* L.), malanga (*Xanthosoma sagittifolium*), ñame (*Xanthosoma Jacquinii*), yuca (*Manihot esculentum*); los cereales como el maíz (*Zea mays* L.) y arroz (*Oryza sativa* L.) y cítricos y frutales (naranja, limón, guayaba, aguacate, mango, tamarindo, mamoncillo, mamey) y maderables (*Roystonea regia*, palma Real; *Guarea trichiliodis*, cabo de hacha). Es muy usual encontrar el cercado o límite de los linderos compuesto por cercas vivas con especies de *Erithrina berteroana* y *Gliricidia sepium*. Prolifera la cría de ganado menor, el patio de gallinas ponedoras, patos, guineos, cerdos, conejos y chivos. Por lo general, en caso de existir un excedente, se usa para el intercambio entre familias y se conserva el producto por vías artesanales.

---

#### Section 4. Institutions/actors involved (collaboration, participation, role of stakeholders)

---

##### *Name and address of the institution developing the technology*

**Name**

Institución: INIFAT

**Address**

E mail: inifat@minag.cu

Teléfono: 683 579010

---

##### *Was the technology developed in partnership?*

**No answer provided**

##### *If yes, list the partners:*

**No answer provided**

---

##### *Specify the framework within which the technology was promoted*

**No answer provided**

##### *Other (specify) (max 30 words)*

**No answer provided**

---

##### *Was the participation of local stakeholders, including CSOs, fostered in the development of the technology*

Yes

##### *If yes, list local stakeholders involved:*

- Campesino independiente vinculado a la empresa
- 

##### *For the stakeholders listed above, specify their role in the design, introduction, use and maintenance of the technology, if any.*

max 250 words

El agricultor ya sea hombre o mujer constituye el ente integrador principal para el desarrollo de la tecnología. A partir de su accionar logra el incremento de la producción y el impacto social derivado de los destinos de la misma, acrecentando el sentido de pertenencia a la tierra.

---

**Was the population living in the location and/or nearby involved in the development of the technology?**

**Yes**

**If yes, by means of what?**

- Consultation
- Participatory approaches

**Other (specify) (max 30 words)**

**No answer provided**

---

## **Section 5. Contribution to impact**

---

**Specify to which strategic objectives of The Strategy the technology contributes**

(more than one box can be ticked)

- 1. To improve the living conditions of affected population
  - 2. To improve the conditions of affected ecosystems
  - 3. To generate global benefits through effective implementation of the UNCCD
- 

**Describe on-site impacts (the major two impacts by category)**

Production or productivity:

1. (max 50 words)

**Aumento de la producción y productividad de las tierras laborables.**

2. (max 50 words)

**No answer provided**

**Socio-economic level (including cultural level):**

1. (max 50 words)

**La conotacion social debido a los destinos de las producciones y el sentido de pertenencia.**

2. (max 50 words)

**No answer provided**

**Environmental level:**

1. (max 50 words)

**Aprovechamiento de las tierras marginales  
Mejora de los ambientes  
Mínimo gasto de energía fósil  
Protección de las características físicas y químicas de los suelos.  
Uso eficiente de los recursos hídricos**

2. (max 50 words)

**No answer provided**

**Other (specify)**

1. (max 50 words)

**No answer provided**

2. (max 50 words)

**No answer provided**

---

**Describe the major two off-site (i.e. not occurring in the location but in the surrounding areas) impacts**

1. (max 50 words)

No answer provided

2. (max 50 words)

No answer provided

---

***Impact on biodiversity and climate change***

In your opinion does the best practice/technology you have proposed positively impact on biodiversity conservation?

Yes

***Explain the reasons:***

max 250 words

Si por el incremento de la biodiversidad

***In your opinion does the best practice/technology you have proposed positively impact on climate change mitigation?***

Yes

***Explain the reasons:***

max 250 words

Si, porque la forestación de arboles tanto frutales como maderables y la protección de la cubierta vegetal, reducen emisiones

***In your opinion does the best practice/technology you have proposed positively impact on climate change adaptation?***

No answer provided

***Explain the reasons:***

max 250 words

Dadas las condiciones climáticas actuales muchas experiencias como la referida en este informe se han generalizado en todo el país. Esta en particular se encuentran asociada a la producción de alimentos y a los incrementos de las producciones, derivando un soporte a la seguridad alimentaria, por ello su impacto positivo.

---

***Has a cost-benefit analysis been carried out?***

Yes

***If yes, summarize its main conclusions:***

max 250 words

Los costos son variables en dependencia del tamaño del sistema. Los huertos, por lo general no requieren de inversión. Las fincas integrales, requieren de una inversión inicial.

**Beneficios:**

- Máximo aprovechamiento del área agrícola
  - Aumento de la producción y productividad de las tierras laborables.
  - Aprovechamiento de las tierras marginales
  - Mejora de los ambientes
  - Mínimo gasto de energía fósil
  - Protección de las características físicas y químicas de los suelos
  - Uso eficiente de los recursos hídricos
- 

**Section 6. Connection to other UNCCD themes**

---

***Specify if the technology relates to one or more of the other UNCCD themes***

- Capacity-building and awareness-raising
- DLDD and SLM monitoring and assessment/research

- Knowledge management and decision support
  - Policy; legislative; institutional framework
  - Funding/resource mobilization
  - Participation, collaboration and networking
- 

## Section 7. Adoption and replicability

---

***Was the technology disseminated/introduced to other locations?***

**Yes**

***If yes, where? (add as many rows as necessary)***

Location:

- En todo el territorio nacional
- 

***Were incentives to facilitate the take up of the technology provided?***

**Yes**

***If yes, specify which type of incentives***

- Policy or regulatory incentives (for example, related to market requirements and regulations, import/export, foreign investment, research & development support, etc)
  - Financial incentives (for example, preferential rates, State aid, subsidies, cash grants, loan guarantees, etc)
  - Fiscal incentives (for example, exemption from or reduction of taxes, duties, fees, etc)
- 

***Can you identify the three main conditions that led to the success of the presented best practice/technology?***

Examples of conditions leading to success may include: highly motivated local governments, farmers organized into well structured cooperatives, extremely favorable weather conditions, etc. For each 'condition of success' you are able to identify, specify whether in your opinion such condition is: (a) linked to the local context and thus cannot be replicated elsewhere; (b) replicable elsewhere with some level of adaptation; (c) replicable elsewhere with major adaptation.

1. (max 50 words)

**Voluntad política del Estado y el Gobierno para su diseminación**

2. (max 50 words)

**Contribuye a la alimentación de la población**

3. (max 50 words)

**Da respuesta a varios problemas ambientales nacionales, la pérdida de la biodiversidad, la degradación de los suelos y la afectación a la cubierta forestal.**

---

***In your opinion, the best practice/technology you have proposed can be replicated, although with some level of adaptation, elsewhere?***

**Yes**

***If yes, at which level?***

- Local
  - National
  - Regional
  - International
- 

## Section 8. Lessons learned

---

***Related to human resources***

(max 50 words)

- **Vincula a toda la familia**
- 

***Related to financial aspects***

(max 50 words)

- **Incrementa las producciones de viandas, hortaliza, frutales y de carne**
- 

***Related to technical aspects***

(max 50 words)

- **La introducción de una tecnología más limpia, meno consumidoras de agua y de energía y a la vez menos contaminantes.**

## Best Practice #5 — Agricultura sub-urbana

---

### *Property rights*

Clarify if the technology described in the template, or a part of it, is covered by property rights:

**No**

*If yes, please provide relevant information on the holder of the rights.*

*(max 100 words)*

**No answer provided**

---

### Section 1. Context of the best practice: frame conditions (natural and human environment)

---

### *Title of the best practice*

**Agricultura sub-urbana**

---

### *Location (if available, also include a map)*

El modelo comenzó a ponerse en práctica a modo de "experiencias piloto" en unos 17 municipios de la isla con la intención de extenderse a los 169 municipios del país

### *Attachments:*

none

---

### *If the location has well defined boundaries, specify its extension in hectares*

Hectares (ha)

**40000**

---

### *Estimated population living in the location*

Number of people

**No answer provided**

---

### *Prevailing land use within the specified location*

- Cropland
- Grazing land
- Woodland
- Unproductive land
- Human settlement

### *Other (specify) (max 30 words)*

**No answer provided**

---

### *Brief description of the natural environment within the specified location*

Climate: (max 50 words)

El núcleo del programa descansa en pequeñas fincas organizadas en su mayoría en cooperativas, principalmente de Créditos y Servicios (CCS) o granjas estatales. El "finquero" trabajará la tierra con familiares, pero está autorizado a contratar personal en caso de ser necesario.

### *Soil: (max 50 words)*

**Agrícola**

### *Topography: (max 50 words)*

**No answer provided**

---

### *Prevailing socio-economic conditions of those living in the location and/or nearby*

Income level: (max 50 words)

**No answer provided**

**Main income sources: (max 50 words)**

**No answer provided**

**Land tenure and land use rights: (max 50 words)**

**No answer provided**

---

**Short description of the best practice**

max 250 words

La agricultura suburbana está organizada mediante subprogramas que abarcan, entre otros, producciones pecuarias y de alimento animal, capacitación y tecnológica, conservación y mejoramiento de los suelos, uso y gestión del agua y el manejo agroecológico de plagas.

Las técnicas que se aplican son las siguientes:

1. Siembra de cultivos varios hortalizas, viandas
2. Recogida de obstáculos (piedras)
3. Producción de Compost y Humus
4. Aplicación de Materia Orgánica
5. Rotación de cultivos.
6. Ganadería(vacuno, ovino, porcino)

---

**On the basis of which criteria and/or indicator(s) (not related to The Strategy) the proposed practice and corresponding technology has been considered as 'best'?**

max 100 words

Con su aplicación crece la disponibilidad de alimentos, se sustituyen las millonarias importaciones de alimentos, eleva la calidad de vida de la población. Incluye además de los cultivos, la crianza de ganado, aves de corral y peces, y la forestación, mediante prácticas que ahorran combustible y resultan económica y ecológicamente favorables

---

**Section 2. Problems addressed (direct and indirect causes) and objectives of the best practice**

---

**With respect to DLDD, the best practice directly contributes to:**

- Mitigation
- Adaptation
- Rehabilitation

---

**Main problems addressed by the best practice**

(max 50 words)

- Seguridad alimentaria y la degradación de los suelos.

---

**Outline specific land degradation problems addressed by the best practice**

max 100 words

erosión, (perdida de las capas superiores por la acción del agua y del viento), compactación (donde el suelo adquiere valores de densidad por encima de lo normal para el crecimiento y desarrollo de las plantas), bajo contenido de materia orgánica, (por la pérdida de esta en las capas superiores o arables de los suelos)

---

**Specify the objectives of the best practice**

(max 50 words)

- El objetivo es lograr el autoabastecimiento alimentario del municipio aprovechando las potencialidades naturales, humanas y económicas en los diferentes renglones productivos.

Al propio tiempo sustituir las importaciones, mejorar el entorno natural y acercar los alimentos al consumidor.

---

### Section 3. Activities

---

#### *Brief description of main activities, by objective*

Objective 1

(max 50 words)

- La agricultura suburbana está organizada mediante subprogramas que abarcan, entre otros, producciones pecuarias y de alimento animal, capacitación y tecnológica, conservación y mejoramiento de los suelos, uso y gestión del agua y el manejo agroecológico de plagas.

Las técnicas que se aplican son I

#### *Objective 2*

(max 50 words)

**No answer provided**

#### *Objective 3*

(max 50 words)

**No answer provided**

#### *Objective 4*

(max 50 words)

**No answer provided**

---

#### *Short description of the technology*

max 250 words

La agricultura urbana tiene como fundamento primordial la explotación racional de las tierras aledañas a las ciudades, poblados y bateyes. La agricultura suburbana está organizada mediante subprogramas que abarcan, entre otros, producciones pecuarias y de alimento animal, capacitación, conservación y mejoramiento de los suelos, uso y gestión del agua y el manejo agroecológico de plagas.

---

#### *Technical specifications of the technology - if any*

max 250 words

Entre sus principales técnicas de aplicación se encuentran:

1. Siembra de cultivos varios hortalizas, viandas
2. Recogida de obstáculos (piedras)
3. Producción de Compost y Humus
4. Aplicación de Materia Orgánica
5. Rotación de cultivos.
6. Ganadería

---

### Section 4. Institutions/actors involved (collaboration, participation, role of stakeholders)

---

#### *Name and address of the institution developing the technology*

**Name**

Ministerio de la Agricultura



**Address**

Ave Conill e Independencia  
Municipio Plaza de la Revolución.  
Ciudad de la Habana , Cuba.

---

**Was the technology developed in partnership?**

**No answer provided**

**If yes, list the partners:**

**No answer provided**

---

**Specify the framework within which the technology was promoted**

- National initiative – government-led
- National initiative – non-government-led

**Other (specify) (max 30 words)**

**No answer provided**

---

**Was the participation of local stakeholders, including CSOs, fostered in the development of the technology**

Yes

**If yes, list local stakeholders involved:**

- Cooperativas de créditos y Servicios (CCS)
- 

**For the stakeholders listed above, specify their role in the design, introduction, use and maintenance of the technology, if any.**

max 250 words

Todas las tecnicas son aplicadas por los campesinos con vista a alcanzar altas producciones, con la aplicación de tecnologias mas amigables para el medio ambiente y mucho más cercanas a la población para su venta.

---

**Was the population living in the location and/or nearby involved in the development of the technology?**

Yes

**If yes, by means of what?**

- Consultation
- Participatory approaches

**Other (specify) (max 30 words)**

**No answer provided**

---

## **Section 5. Contribution to impact**

---

**Specify to which strategic objectives of The Strategy the technology contributes**

(more than one box can be ticked)

- 1. To improve the living conditions of affected population
  - 2. To improve the conditions of affected ecosystems
- 

**Describe on-site impacts (the major two impacts by category)**

Production or productivity:

1. (max 50 words)

**No answer provided**

2. (max 50 words)

No answer provided

**Socio-economic level (including cultural level):**

1. (max 50 words)

No answer provided

2. (max 50 words)

No answer provided

**Environmental level:**

1. (max 50 words)

No answer provided

2. (max 50 words)

No answer provided

**Other (specify)**

1. (max 50 words)

No answer provided

2. (max 50 words)

No answer provided

---

**Describe the major two off-site (i.e. not occurring in the location but in the surrounding areas) impacts**

1. (max 50 words)

No answer provided

2. (max 50 words)

No answer provided

---

**Impact on biodiversity and climate change**

In your opinion does the best practice/technology you have proposed positively impact on biodiversity conservation?

No answer provided

**Explain the reasons:**

max 250 words

No answer provided

**In your opinion does the best practice/technology you have proposed positively impact on climate change mitigation?**

No answer provided

**Explain the reasons:**

max 250 words

No answer provided

**In your opinion does the best practice/technology you have proposed positively impact on climate change adaptation?**

No answer provided

**Explain the reasons:**

max 250 words

No answer provided

---

**Has a cost-benefit analysis been carried out?**

No answer provided

***If yes, summarize its main conclusions:***

max 250 words

**No answer provided**

---

## **Section 6. Connection to other UNCCD themes**

---

***Specify if the technology relates to one or more of the other UNCCD themes***

- Capacity-building and awareness-raising
  - DLDD and SLM monitoring and assessment/research
  - Knowledge management and decision support
  - Policy; legislative; institutional framework
  - Funding/resource mobilization
- 

## **Section 7. Adoption and replicability**

---

***Was the technology disseminated/introduced to other locations?***

**Yes**

***If yes, where? (add as many rows as necessary)***

Location:

- En los municipios: Guantánamo, Santiago de Cuba, Palma Soriano, Bayamo, Las Tunas, Holguín, Ciego de Ávila, Cabaiguán, Santa Clara, Cienfuegos, Colón, Cotorro, Bejucal, San José de Las Lajas, Artemisa, Pinar del Río y Nueva Gerona
- 

***Were incentives to facilitate the take up of the technology provided?***

**Yes**

***If yes, specify which type of incentives***

- Financial incentives (for example, preferential rates, State aid, subsidies, cash grants, loan guarantees, etc)
- 

***Can you identify the three main conditions that led to the success of the presented best practice/technology?***

Examples of conditions leading to success may include: highly motivated local governments, farmers organized into well structured cooperatives, extremely favorable weather conditions, etc. For each 'condition of success' you are able to identify, specify whether in your opinion such condition is: (a) linked to the local context and thus cannot be replicated elsewhere; (b) replicable elsewhere with some level of adaptation; (c) replicable elsewhere with major adaptation.

1. (max 50 words)

**Afrontar el reto de la seguridad alimentaria**

2. (max 50 words)

**Voluntad política del Estado y Gobierno de Cuba de apoyar la agricultura urbana y suburbana**

3. (max 50 words)

**La base es una agricultura diversificada, ecológica, con empleo de tracción animal y gasto mínimo de combustible.**

---

***In your opinion, the best practice/technology you have proposed can be replicated, although with some level of adaptation, elsewhere?***

**Yes**

***If yes, at which level?***

- Local
  - National
- 

**Section 8. Lessons learned**

---

***Related to human resources***

(max 50 words)

- Las escuelas Capacitación de la Agricultura han apoyado con la preparación de los productores , mediante sus especialistas, aulas, libros y folletos.
- 

***Related to financial aspects***

(max 50 words)

**No answer provided**

---

***Related to technical aspects***

(max 50 words)

**No answer provided**

## Best Practice #6 — Captación y conservación de agua de lluvia

---

### ***Property rights***

Clarify if the technology described in the template, or a part of it, is covered by property rights:

**No**

***If yes, please provide relevant information on the holder of the rights.***

***(max 100 words)***

**No answer provided**

---

### **Section 1. Context of the best practice: frame conditions (natural and human environment)**

---

### ***Title of the best practice***

**Captación y conservación de agua de lluvia**

---

### ***Location (if available, also include a map)***

**Nacional**

### **Attachments:**

none

---

***If the location has well defined boundaries, specify its extension in hectares***

Hectares (ha)

**No answer provided**

---

### ***Estimated population living in the location***

Number of people

**No answer provided**

---

### ***Prevailing land use within the specified location***

- **Cropland**
- **Grazing land**
- **Woodland**
- **Unproductive land**
- **Human settlement**

***Other (specify) (max 30 words)***

**No answer provided**

---

### ***Brief description of the natural environment within the specified location***

Climate: (max 50 words)

**Variado**

***Soil: (max 50 words)***

**Plásticos**

***Topography: (max 50 words)***

**LLana, Ondulada**

---

### ***Prevailing socio-economic conditions of those living in the location and/or nearby***

Income level: (max 50 words)

**Media**

**Main income sources: (max 50 words)**

Salarial

**Land tenure and land use rights: (max 50 words)**

Cooperativas

---

**Short description of the best practice**

max 250 words

Entre las prácticas mas comunes de cosecha y conservación de agua, se encuentra la de captar agua de lluvia para consumo humano, animal y uso agrícola con el empleo de casetas rústicas, casetas cuencas, tinajas, canales en los aleros de las viviendas y otras construcciones y cisternas a nivel y desnivel del piso. Todas estas prácticas se manifiestan con mayor o menor intensidad en las diferentes regiones, pero es utilizado significativamente en las provincias del Este del País, en la zona más seca de Cuba. Captación del agua pluvial que escurre.

---

**On the basis of which criteria and/or indicator(s) (not related to The Strategy) the proposed practice and corresponding technology has been considered as 'best'?**

max 100 words

Debido al bajo costo de su reproducción y la elevación de la productividad de los cultivos tomando en cuenta su uso.

---

**Section 2. Problems addressed (direct and indirect causes) and objectives of the best practice**

---

**With respect to DLDD, the best practice directly contributes to:**

- Prevention
  - Mitigation
  - Adaptation
  - Rehabilitation
- 

**Main problems addressed by the best practice**

(max 50 words)

- Erosion de suelo a partir de la escorrentía
- Sequía
- Presiones de la población por la carencia de agua
- 

**Outline specific land degradation problems addressed by the best practice**

max 100 words

La erosión provocada por la escorrentía

---

**Specify the objectives of the best practice**

(max 50 words)

- Provisión de agua para uso doméstico y para abrevaderos, concentración de escorrentia superficial para cultivos, forraje y producción de árboles.
- 

**Section 3. Activities**

---

**Brief description of main activities, by objective**

Objective 1

(max 50 words)

- La captación de agua de lluvia es la recolección de la escorrentía superficial para su uso productivo. Además pueden utilizarse para este fin los techos de casas, escuelas, bodegas, invernaderos y laderas revestidas o tratadas con materiales que la impermeabilizan.

**Objective 2**

(max 50 words)

**No answer provided**

**Objective 3**

(max 50 words)

**No answer provided**

**Objective 4**

(max 50 words)

**No answer provided**

---

**Short description of the technology**

max 250 words

Entre las prácticas mas comunes de cosecha y conservación de agua, se encuentra la de captar agua de lluvia para consumo humano, animal y uso agrícola con el empleo de casetas rústicas, casetas cuencas, tinajas, canales en los aleros de las viviendas y otras construcciones y cisternas a nivel y desnivel del piso. Todas estas prácticas se manifiestan con mayor o menor intensidad en las diferentes regiones, pero es utilizado significativamente en las provincias del Este del País, en la zona más seca de Cuba.

---

**Technical specifications of the technology - if any**

max 250 words

Microcaptaciones. Hagarin  
Sistemas de Captación externa.

---

**Section 4. Institutions/actors involved (collaboration, participation, role of stakeholders)**

---

**Name and address of the institution developing the technology**

**Name**

Ministerio de la Agricultura

**Address**

Conil esq. Carlos M. Céspedes, Nuevo Vedado, Plaza de la Revolución, Ciudad de La Habana, Cuba

---

**Was the technology developed in partnership?**

Yes

**If yes, list the partners:**

- Participa el Instituto de Meteorología que brinda el dato de precipitaciones con una base de datos de 30 años.
- Instituto de Riego y drenaje el implementador de los sistemas en diferentes provincias. (Bayamo , Ciego de Avila y Camaguey)
- Las empresas de cultivos varios ellos facilitaron las areas de captacion en los techos de las casa de cultivos. impermeables.

---

**Specify the framework within which the technology was promoted**

- Local initiative
- National initiative – government-led
- National initiative – non-government-led

**Other (specify) (max 30 words)**

**No answer provided**

---

**Was the participation of local stakeholders, including CSOs, fostered in the development of the technology**

**Yes**

**If yes, list local stakeholders involved:**

- Cooperativas de créditos y servicios (CCS)  
Cooperativas Agropecuarias (CPA)  
Asociación Nacional de Agricultores Pequeño (ANAP)
- 

**For the stakeholders listed above, specify their role in the design, introduction, use and maintenance of the technology, if any.**

max 250 words

**Tecnología útil poco costosa, viable y económica.**

---

**Was the population living in the location and/or nearby involved in the development of the technology?**

**No answer provided**

**If yes, by means of what?**

**No answer provided**

**Other (specify) (max 30 words)**

**No answer provided**

---

## **Section 5. Contribution to impact**

---

**Specify to which strategic objectives of The Strategy the technology contributes**

(more than one box can be ticked)

- 1. To improve the living conditions of affected population
  - 2. To improve the conditions of affected ecosystems
- 

**Describe on-site impacts (the major two impacts by category)**

Production or productivity:

1. (max 50 words)

**El adecuado manejo del agua de lluvia representa una opción para mitigar los efectos de las inundaciones y de las sequías**

2. (max 50 words)

**Disponibilidad de agua durante los periodos críticos y la posibilidad de incursionar en nuevos emprendimientos productivos y/o artesanales**

**Socio-economic level (including cultural level):**

1. (max 50 words)

**La disponibilidad de agua durante todo el año representa el paso inicial para combatir la pobreza y promover el desarrollo sustentable; además, tiene repercusión en la salud humana, en la producción de alimentos, en el mejoramiento del entorno ecológico y en el bienestar económico y social**



2. (max 50 words)

Almacenar importantes volúmenes de agua y la distribución localizada, permiten desarrollar nuevas alternativas de producción, usos domésticos y de consumo humano y animal

**Environmental level:**

1. (max 50 words)

Captación de aguas de lluvias que reduce la erosión hídrica e inundación por torrentes pluviales aprovechando los sistemas naturales de escurrimiento para conducir los excesos de agua a través de senderos de piedras pozos de recarga

2. (max 50 words)

**No answer provided**

**Other (specify)**

1. (max 50 words)

**No answer provided**

2. (max 50 words)

**No answer provided**

---

**Describe the major two off-site (i.e. not occurring in the location but in the surrounding areas) impacts**

1. (max 50 words)

El agua captada que no escurre evita daños por erosión hídrica aguas abajo y sedimentación de los cuerpos de agua.

2. (max 50 words)

**No answer provided**

---

**Impact on biodiversity and climate change**

In your opinion does the best practice/technology you have proposed positively impact on biodiversity conservation?

**Yes**

**Explain the reasons:**

max 250 words

El agua captada y almacenada puede ser utilizada para riegos alternativos de especies que no resisten la falta de agua en épocas de sequía.

**In your opinion does the best practice/technology you have proposed positively impact on climate change mitigation?**

**Yes**

**Explain the reasons:**

max 250 words

El logro del manejo sustentable de las diversas fuentes de agua constituye un reto global, lo cual requiere de soluciones locales efectivas. La captación de las aguas de lluvias es una forma directamente productiva de conservación de suelos y aguas. Aplicando los métodos de captación de lluvias es posible mejorar significativamente tanto los rendimientos como la confiabilidad de la producción agrícola y mitigar los efectos de la sequía.

**In your opinion does the best practice/technology you have proposed positively impact on climate change adaptation?**

**Yes**

**Explain the reasons:**

max 250 words

La captación de agua constituye un manejo adaptativo del recurso agua ante la sequía.

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**Has a cost-benefit analysis been carried out?**

**No**

**If yes, summarize its main conclusions:**

max 250 words

**No answer provided**

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## **Section 6. Connection to other UNCCD themes**

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**Specify if the technology relates to one or more of the other UNCCD themes**

- Capacity-building and awareness-raising
  - DLDD and SLM monitoring and assessment/research
  - Knowledge management and decision support
- 

## **Section 7. Adoption and replicability**

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**Was the technology disseminated/introduced to other locations?**

**Yes**

**If yes, where? (add as many rows as necessary)**

Location:

- Granma
  - Ciego de Avila
  - Camagüey
- 

**Were incentives to facilitate the take up of the technology provided?**

**Yes**

**If yes, specify which type of incentives**

- Policy or regulatory incentives (for example, related to market requirements and regulations, import/export, foreign investment, research & development support, etc)
  - Financial incentives (for example, preferential rates, State aid, subsidies, cash grants, loan guarantees, etc)
- 

**Can you identify the three main conditions that led to the success of the presented best practice/technology?**

Examples of conditions leading to success may include: highly motivated local governments, farmers organized into well structured cooperatives, extremely favorable weather conditions, etc. For each 'condition of success' you are able to identify, specify whether in your opinion such condition is: (a) linked to the local context and thus cannot be replicated elsewhere; (b) replicable elsewhere with some level of adaptation; (c) replicable elsewhere with major adaptation.

1. (max 50 words)

**Definir LLuvia de diseño.**

2. (max 50 words)

**Area de captación.**

3. (max 50 words)

**Area beneficiada y coeficiente de escurrimiento**

---

**In your opinion, the best practice/technology you have proposed can be replicated, although with some level of adaptation, elsewhere?**

Yes

*If yes, at which level?*

- Local
  - National
- 

## Section 8. Lessons learned

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***Related to human resources***

(max 50 words)

- **Sensibilización y capacitación con las ventajas de esta práctica y los métodos más apropiados para cada localidad.**
- 

***Related to financial aspects***

(max 50 words)

- **En áreas secas, la captación y almacenamiento de agua de lluvia puede reducir los riesgos y aumentar los rendimientos de los cultivos.**
- 

***Related to technical aspects***

(max 50 words)

- **Cada localidad debe llevar una especificidad técnica de acuerdo a las condiciones de suelo; topografía; y cartografía para conocer otros accidentes geográficos de interés.**

# Submission Form

Submission Form	
Name of the Reporting Officer *	Maria Nery Urquiza
Date of Submission *	11/13/2010 5:59:59 AM
Signature	
Name of the Authorizing Officer	Maria Nery Urquiza
Date of Authorization	12/11/2010
Signature	

