

**United Nations Convention to Combat Desertification**  
**Performance Review and Assessment of Implementation System**

**Fourth UNCCD reporting cycle, 2010–2011 leg**  
**Report for Portugal**

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## General information section

<b>GENERAL INFORMATION ON THE REPORTING ENTITY</b>	
Reporting country	Portugal
Name and surname of the person submitting the report	---
Affiliation and contact details	lucio.rosario@icnf.pt

# Affected Country Parties

## Impact indicators

### Strategic Objectives 1, 2 and 3

Following [decision 17/COP.9](#), affected country Parties are requested to report on two mandatory impact indicators (i.e.: proportion of population living below the poverty line and land cover status), through the associated metrics identified during the iterative process for the refinement of the set of impact indicators (i.e.: poverty rate, land cover and land productivity).

Affected country Parties might also decide to report on the remaining nine impact indicators provisionally accepted by the COP (see [decision 17/COP.9](#)) but considered optional for inclusion in reports.

Alternative indicators considered more suitable than the provisionally accepted indicators may also be reported on. The condition for reporting on alternative indicators is that these fit into the underlying logic of measuring progress against strategic objectives 1, 2 and 3 of the Strategy.

Reporting is guided by means of templates, one for each of the two mandatory indicators, plus one generic reporting template for the remaining nine impact indicators and alternative indicators. Detailed reporting guidelines are available for the two mandatory impact indicators.

### General information on impact indicators on strategic objectives 1, 2 and 3

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#### Definition of affected areas

***Does your National Action Programme (NAP) identify areas of the country which are affected by Desertification, Land Degradation and Drought (DLDD)?***

Yes

***If no, does any other national planning document identify areas of the country which are affected by DLDD?***

No answer required.

***Please specify the national document that identifies areas affected by DLDD in your country.***

No answer required.

***Please specify which areas of the country are considered as affected by DLDD (e.g. name of relevant provinces, states and districts):***

Áreas in all the South of Portugal Continental (Alentejo and Algarve) and North and Central Interior, along the border with Spain. Also East and South-East part of Madeira Island and Islands of Porto Santo, Desertas and Selvagens in the Madeira Region

***Please specify the estimated total number of square kilometres of the national territory occupied by areas affected by DLDD:***

16000 km<sup>2</sup>

***Please specify the percentage of the national land area occupied by areas affected by DLDD:***

18 %

***Please specify the definition used to identify areas affected by DLDD in your country:***

Semi-arid and dry sub-humida areas affected by land degradation, i.e. land affected in dry areas by reduction or loss of the biological or economic productivity

***Please specify what methods were used to identify areas affected by DLDD in your country:***

See attached Gabriel del Barrio, Juan Puigdefabregas, Maria E. Sanjuan, Marion Stellmes & Alberto Ruiz (2010) - Assessment and monitoring of land degradation in the Iberian Peninsula, 1989 - 2000, in Remote Sensing of Environment 114 (2010) 1817 - 1832

See also attached Lúcio do Rosário (2004) - Indicadores de desertificação para Portugal Continental, Ed. DGRF, Lisboa.

***If available, please provide the geographic datasets which show the areas affected by DLDD.***

Ideally, the data should be provided as a shapefile or raster (Geotiff) format with geographic coordinates on the WGS84 datum (The file should have a maximum size of 25MB). If the raw data are not available please provide a map showing the extent of areas affected by DLDD. Ideally, the map should have a scale of less than 1:250,000 and be provided in a Tiff format (The file should have a maximum size of 25MB). To facilitate understanding of the map provided, please explain clearly what can be seen in the map (resolution of map, year of the map, land cover classes and corresponding colours, borders etc)

**Attachments:**

- [110304 2dRUE Portugal 2000-2010.pdf](#), 179.51 kB
- [2004 Lúcio do Rosário Indicadores de Desertificação para Portugal Continental DGRF.pdf](#), 3.78 MB
- [2010 Gabriel del Barrio et al Assessment and monitoring of land condition in the Iberian Peninsula 1989 2000, RemSensEnviron 114 1817-1832.pdf](#), 2.69 MB
- [landcondition.dbf](#), 6.66 MB
- [landcondition.sbn](#), 241.03 kB
- [landcondition.sbx](#), 15.25 kB
- [landcondition.shp](#), 4.3 MB
- [landcondition.shp.xml](#), 776 B
- [landcondition.shx](#), 193.84 kB
- [PT 80 10 ETRS89 pais.prj](#), 425 B
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- [PT 80 10 ETRS89 pais.shp](#), 2.67 MB
- [PT 80 10 ETRS89 pais.shp.xml](#), 10.87 kB
- [PT 80 10 ETRS89 pais.shx](#), 4.39 kB

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**Definition of rural areas**

***Does any national planning document define rural areas in your country?***

Yes

***Please specify the national document that defines rural areas in your country.***

Author	Year	Publication title	Publisher	Website address
Governo Português	2009	Decreto regulamentar n.º 11/2009, de 29 de Maio	Diário da República 1.ª série n.º 104: 3383-3389	www.dre.pt

***Please state the national definition of rural areas in your country:***

Rural land is the one which is recognised vocation for farming, livestock-rearing, forestry or minerals, as well as integrating the natural spaces, or that is occupied by an infrastructure that does not confer the status of urban land (paragraph 2, article 4 of Decree 2009/11, 29 May)

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**Human population estimates**

***Please state estimates of the human population living in the national area of your country, in rural areas of your country and areas affected by DLDD in your country.***

Include details on the methodology used to establish these estimates.

Year	Number of people living in the national area	Number of people living in rural areas	Number of people living in affected	Method used	Was every region (or equivalent sub-national unit) of your country covered	Please state the approximate proportion of the national human
------	--	--	-------------------------------------	-------------	--	---

			areas		in the assessment?	population surveyed during the assessment
2000	---	---	---	---	---	---
2001	9787498	---	2951780	Nationwide census	Yes	100%
2002	---	---	---	---	---	---
2003	---	---	---	---	---	---
2004	---	---	---	---	---	---
2005	---	---	---	---	---	---
2006	---	---	---	---	---	---
2007	---	---	---	---	---	---
2008	---	---	---	---	---	---
2009	---	---	---	---	---	---
2010	---	---	---	---	---	---
2011	10041813	---	3130503	Nationwide census	Yes	100%

*Please specify the sources used to extract the information provided above.*

Author	Year	Publication title	Publisher	Website address
Instituto Nacional de Estatística	2011	Censos 2011 Resultados Provisórios	INE, Lisboa	www.ine.pt

### Core indicator S-(1/2/3): Poverty Rate

UNCCD Strategic Objective(s) for which the indicator applies

Strategic Objective 1: To improve the living conditions of affected populations

UNCCD Core indicator S-(1/2/3)

Improvement in the livelihoods of people potentially impacted by the process of desertification/land degradation and drought

Name of the indicator

Proportion of population living below the poverty line

Metric

Poverty Rate

Purpose of the indicator

To measure and monitor changes in poverty, as a proxy for human well-being. This can be used to identify deprived livelihoods, assess the impacts of desertification and assess progress made by the Parties in combating desertification.

Understanding of the indicator

The **poverty line** describes an absolute threshold below which people are considered to be poor. The **poverty rate** describes the percentage of the human population living below the poverty line. Ideally, Parties report the poverty rate for affected areas using the rural poverty line (poverty line specific to rural areas). In addition, the rural poverty line should be used to report the poverty rate in rural areas. In the absence of the rural poverty line, the national poverty line should be used to report the poverty rate in affected and rural areas or, if these are not available, in the country as a whole. Finally, if no poverty lines are available, the generic poverty line of US\$ 2.00/capita/day should be used to assess poverty rates.

Data needed

Size of human population, a poverty line and the number of people falling below the poverty line.

Relevant terms in the glossary

'absolute poverty', 'absolute poverty line', 'consumption', 'consumption survey', 'currency', 'data', 'data analysis', 'data source', 'desertification/land degradation and drought (DLDD)', 'ecosystem services', 'e-SMART', 'expert knowledge', 'income', 'income survey', 'indicator', 'indicator metadata', 'metric', 'national poverty line', 'national poverty rate', 'nationwide census', 'non stratified random survey', 'population census', 'poverty line', 'relative poverty', 'relative poverty lines', 'rural poverty line', 'rural poverty rate', 'stratified random sampling', 'stratified random survey'.

## Reporting on the indicator

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### Rural poverty line

***Does your country have a poverty line that is specific to rural areas (rural poverty line)?***

**No**

***If yes, please state the rural poverty line in your country for the most recent years and the method used to define the rural poverty line.***

Please choose the method category which best represents that used in the assessment

*No answer required.*

***Please specify the sources used to extract the information provided above.***

*No answer required.*

***If yes, please state the number of people and the percentage of the population living below the rural poverty line in affected areas.***

Furthermore, please state the method used to assess the poverty rate in affected areas and the proportion of the population included in the assessment.

*No answer required.*

***If yes, please state the number of people and the percentage of the population living below the rural poverty line in rural areas.***

Furthermore, please state the method used to assess the poverty rate in rural areas and the proportion of the population included in the assessment.

*No answer required.*

***Please specify the sources used to extract the information provided above.***

*No answer required.*

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### National poverty line

If data related to the rural poverty line was provided, please **do not** respond to this section.

***If no rural poverty line is available, does your country have a national poverty line?***

**Yes**

***If yes, please state the national poverty line in your country for the most recent years and the method used to define the national poverty line.***

Please choose the method category which best represents that used in the assessment.

Year	National poverty line (value)	Currency	Method used
2000	---	---	---
2001	---	---	---
2002	---	---	---
2003	4149	EUR	Income survey

Year	National poverty line (value)	Currency	Method used
2004	4317	EUR	Income survey
2005	4386	EUR	Income survey
2006	4544	EUR	Income survey
2007	4886	EUR	Income survey
2008	4969	EUR	Income survey
2009	---	---	---
2010	---	---	---
2011	---	---	---

*Please specify the sources used to extract the information provided above.*

Author	Year	Publication title	Publisher	Website address
Instituto Nacional de Estatística	2010	About poverty, inequality and material deprivation in Portugal	INE, Lisboa	www.ine.pt
Instituto Nacional de Estatística	2011	Rendimento e Condições de Vida 2011 (Dados Provisórios)	Destaque - Informação à Comunicação Social, INE, Lisboa	www.ine.pt

*Please state the number of people and the percentage of the population living below the national poverty line in affected areas.*

Year	Affected areas			
	Number of people	Percentage of population	Method of poverty assessment	Approximate proportion of the human population living in affected areas surveyed during the poverty assessment
2000	---	---	---	---
2001	---	---	---	---
2002	---	---	---	---
2003	---	---	---	---
2004	---	---	---	---
2005	---	---	---	---
2006	---	---	---	---
2007	---	---	---	---
2008	---	---	---	---
2009	---	---	---	---
2010	---	---	---	---
2011	---	---	---	---

*Please state the number of people and the percentage of the population living below the national poverty*



*line in rural areas.*

Year	Rural areas			
	Number of people	Percentage of population	Method of poverty assessment	Approximate proportion of the human population living in rural areas surveyed during the poverty assessment
2000	---	---	---	---
2001	---	---	---	---
2002	---	---	---	---
2003	---	---	---	---
2004	---	---	---	---
2005	---	---	---	---
2006	---	---	---	---
2007	---	---	---	---
2008	---	---	---	---
2009	---	---	---	---
2010	---	---	---	---
2011	---	---	---	---

*If neither of these is available, please state the percentage of the population living below the national poverty line in the country as a whole.*

Year	Country			
	Number of people	Percentage of population	Method of poverty assessment	Approximate proportion of the national human population surveyed during the poverty assessment
2000	---	---	---	---
2001	---	---	---	---
2002	---	---	---	---
2003	2136836	20	Stratified random survey	0%
2004	2042675	20	Stratified random survey	0%
2005	1955375	19	Stratified random survey	0%
2006	1918436	18	Stratified random survey	0%
2007	1964251	19	Stratified random survey	0%

Year	Country			
	Number of people	Percentage of population	Method of poverty assessment	Approximate proportion of the national human population surveyed during the poverty assessment
2008	1902278	18	Stratified random survey	0%
2009	1904151	18	Stratified random survey	0%
2010	1914656	18	Stratified random survey	0%
2011	---	---	---	---

*Please specify the sources used to extract the information provided above.*

Author	Year	Publication title	Publisher	Website address
Instituto Nacional de Estatística	2011	Rendimento e Condições de Vida 2011 (Dados Provisórios)	Destaque - Informação à Comunicação Social, INE, Lisboa	www.ine.pt
Instituto Nacional de Estatística	2010	About poverty, inequality and material deprivation in Portugal	INE, Lisboa	www.ine.pt

### International poverty line

If data related to the rural poverty line or to the national poverty line was provided, please **do not** respond to this section.

*If neither the rural poverty line nor the national poverty line are available, please state the number of people and the percentage of the population living below the international poverty line (US\$ 2.00/capita/day) in affected areas.*

Year	Affected areas			
	Number of people	Percentage of population	Method of poverty assessment	Approximate proportion of the human population living in affected areas surveyed during the poverty assessment
2000	---	---	---	---
2001	---	---	---	---
2002	---	---	---	---
2003	---	---	---	---
2004	---	---	---	---
2005	---	---	---	---
2006	---	---	---	---
2007	---	---	---	---
2008	---	---	---	---
2009	---	---	---	---

Year	Affected areas			
	Number of people	Percentage of population	Method of poverty assessment	Approximate proportion of the human population living in affected areas surveyed during the poverty assessment
2010	---	---	---	---
2011	---	---	---	---

*If there is no national poverty line, please state the number of people and the percentage of the population living below the international poverty line (US\$ 2.00/capita/day) in rural areas.*

Year	Rural areas			
	Number of people	Percentage of population	Method of poverty assessment	Approximate proportion of the human population living in rural areas surveyed during the poverty assessment
2000	---	---	---	---
2001	---	---	---	---
2002	---	---	---	---
2003	---	---	---	---
2004	---	---	---	---
2005	---	---	---	---
2006	---	---	---	---
2007	---	---	---	---
2008	---	---	---	---
2009	---	---	---	---
2010	---	---	---	---
2011	---	---	---	---

*If neither of these is available, please state the percentage of the population living below the international poverty line (US\$ 2.00/capita/day) in the country as a whole.*

Year	Country			
	Number of people	Percentage of population	Method of poverty assessment	Approximate proportion of the national human population surveyed during the poverty assessment
2000	---	---	---	---
2001	---	---	---	---
2002	---	---	---	---
2003	---	---	---	---
2004	---	---	---	---
2005	---	---	---	---

Year	Country			
	Number of people	Percentage of population	Method of poverty assessment	Approximate proportion of the national human population surveyed during the poverty assessment
2006	---	---	---	---
2007	---	---	---	---
2008	---	---	---	---
2009	---	---	---	---
2010	---	---	---	---
2011	---	---	---	---

*Please specify the sources used to extract the information provided above.*

Author	Year	Publication title	Publisher	Website address
---	---	---	---	---

### Contact details

General information on the national contact person for this indicator

#### *Name and surname*

Lúcio Pires do Rosário

#### *Institution*

Instituto da Conservação da Natureza e das Florestas / National Focal Point to UNCCD

#### *Address*

Av. Joao Crisostomo, 26-28, 1069-040 Lisboa, Portugal

#### *Email*

lucio.rosario@icnf.pt

#### *Telephone*

+351213124903

### Interpretation of indicator status/trend and policy implications

#### Poverty in affected areas

*Did you provide data on poverty in affected areas?*

No

*If yes, please state whether you provided data for more than one year.*

No answer required.

*If no, do you see a pattern in the data?*

No answer required.

*Please explain the pattern emerging from the data and how it relates to DLDD.*

No answer required.

*If yes, does the poverty rate in affected areas change over time?*

No answer required.

***If no, please explain possible reasons why the poverty rate in affected areas does not change over time.***

*No answer required.*

***If yes, does the poverty rate in affected areas increase or decrease?***

*No answer required.*

***Please explain the pattern emerging from the data.***

*No answer required.*

***Is there a functional relationship between DLDD and the poverty rate in affected areas?***

*No answer required.*

***Please describe how DLDD affects the poverty rate in affected areas.***

*No answer required.*

***If DLDD does not affect the poverty rate in affected areas, please describe the other factor(s) responsible for changes in the poverty rate in affected areas.***

*No answer required.*

***Please upload a graph showing the percentage of human population below the poverty line in affected areas, covering all years for which data are provided in section "Poverty Rate" / sub-section "Reporting on the indicator".***

The graph should be provided as jpg or pdf with a maximum file size of 2MB

*No answer required.*

***To facilitate understanding please explain clearly what can be seen in the diagram (keys, classes, etc).***

*No answer required.*

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## **Poverty in rural areas**

***Did you provide data on poverty in rural areas?***

**No**

***If yes, please state whether you provided data for more than one year.***

*No answer required.*

***If no, do you see a pattern in the data?***

*No answer required.*

***Please explain the pattern emerging from the data and how it relates to DLDD.***

*No answer required.*

***If yes, does the poverty rate in rural areas change over time?***

*No answer required.*

***If no, please explain possible reasons why the poverty rate in rural areas does not change over time.***

*No answer required.*

***If yes, does the poverty rate in rural areas increase or decrease?***

*No answer required.*

***Please explain the pattern emerging from the data.***

*No answer required.*

***Is there a functional relationship between DLDD and the poverty rate in rural areas?***

*No answer required.*

***Please describe how DLDD affects the poverty rate in rural areas.***

*No answer required.*

***If DLDD does not affect the poverty rate in rural areas, please describe the other factor(s) responsible for changes in the poverty rate in rural areas.***

*No answer required.*

***Please upload a graph showing the percentage of human population below the poverty line in rural areas, covering all years for which data are provided in section "Poverty Rate" / sub-section "Reporting on the indicator".***

The graph should be provided as jpg or pdf with a maximum file size of 2MB

*No answer required.*

***To facilitate understanding please explain clearly what can be seen in the diagram (keys, classes, etc).***

*No answer required.*

***Please state the actions and policies that you currently have in place or any that will be implemented in the future to address the implications of the indicator trend or lack thereof for addressing DLDD in your country.***

*No answer required.*

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### **Poverty at the national level**

If data was provided for either affected or rural areas, please **do not** respond to this section.

***Did you provide data on poverty at the national level?***

**Yes**

***If yes, please state whether you provided data for more than one year.***

**Yes**

***If no, do you see a pattern in the data?***

*No answer required.*

***Please explain the pattern emerging from the data and how it relates to DLDD.***

*No answer required.*

***If yes, does the poverty rate at national level change over time?***

**Yes**

***If no, please explain possible reasons why the poverty rate at national level does not change over time.***

*No answer required.*

***If yes, does the poverty rate at national level increase or decrease?***

**Both increase and decrease**

***Please explain the pattern emerging from the data.***

The poverty rate have decreased in Portugal from 2003 until 2008; and after this year have increased with the dramatic economic conditions of the country, largely affected by the actual international economic crisis, affecting also and specially the countries of the European north Mediterranean area

***Is there a functional relationship between DLDD and the poverty rate at the national level?***

**Yes**

***Please describe how DLDD affects the poverty rate at the national level.***

DLDD increases the poverty in general in the rural areas, with increase of population migration to the littoral areas of the country or to outside. This increases the rural abandonment and locally the land degradation (or on the contrary to renaturalization of large areas)

***If DLDD does not affect the poverty rate at the national level, please describe the other factor(s) responsible for changes in the poverty rate at the national level.***

*No answer required.*

**Please upload a graph showing the percentage of the national population below the poverty line, covering all years for which data are provided in section “Reporting on the indicator”.**

The graph should be provided as jpg or pdf with a maximum file size of 2MB

**Attachments:**

- [Poverty line in Portugal 2003 2010.pdf](#), 167.28 kB

**To facilitate understanding please explain clearly what can be seen in the diagram (keys, classes, etc).**

The diagram shows % of total population under the poverty line between 2003 and 2010

**Please state the actions and policies that you currently have in place or any that will be implemented in the future to address the implications of the indicator trend or lack thereof for addressing DLDD in your country.**

*No answer provided.*

**Feedback**

**Report on specific COP requests – iterative process on indicators**

Decision 13/COP.9 (paragraphs 2, 3 and 4) and decision 17/COP.9 envisage an iterative process to refine the set of performance and impact indicators. As a tool to implement this iterative process, affected country Parties can provide here their suggestions and recommendations for improvement. Using a scale from 0 to 5, where 0 = (no, not at all) and 5 = (yes, very much), please rate the indicator. Please write any comments related to your assessment under the column “remarks”.

Assessment Criteria (e-SMART)	Score	Remarks
Relevant – Does the indicator provide information about changes in primary processes unambiguously related to DLDD and UNCCD implementation?	4	Explaining rural abandonment and migrations from rural areas
Relevant – Is the indicator relevant for DLDD national planning purposes, including monitoring of the National Action Programme (NAP)?	5	---
Relevant – Can policymakers easily understand the indicator?	5	---
Specific – Is the indicator based on well-understood and generally accepted conceptual models of the system to which it is applied so that changes in its value will have clear meaning regarding the process of concern?	5	---
Specific – Is the requested spatial scale (national vs. affected areas) of the indicator appropriate for its monitoring purposes?	3	---
Measurable – Are the definitions of the indicator and its constitutive elements clear and not ambiguous?	5	---
Measurable – Are the proposed methodologies for the measurement of this indicator sufficiently clear to ensure reliable data?	5	---
Time-bound – Is the indicator sensitive enough to detect important changes but not so sensitive that signals are masked by natural variability?	5	---
Time-bound – Can the indicator detect changes at the required temporal and spatial scales and are the up-scaling / cross-scaling rules clear?	5	---
Achievable – Are reliable data and monitoring systems available to assess trends and is data collection a relatively straightforward process?	3	---

Assessment Criteria (e-SMART)	Score	Remarks
Achievable – Is the frequency of data collection in line with the monitoring and reporting requirements of the UNCCD?	5	---
Economic – Is the indicator cost-effective? Is the cost of data collection affordable and worthwhile? (consider any required cost for personnel, capital but also, recurring costs)	5	---

### Core indicator S-5: Land Cover Status

UNCCD Strategic Objective(s) for which the indicator applies  
Strategic Objective 2: To improve the condition of ecosystems

UNCCD Core indicator S-5

Maintenance of or increases in ecosystem function, including net primary productivity

Name of the indicator

Land cover status

Metric

Land cover / land productivity

Purpose of the indicator

The purpose of this indicator is to measure and monitor changes in land cover and land productivity. This can be used to indicate land degradation in terms of long-term loss of ecosystem primary productivity, and assess the progress made in maintaining or improving the condition of ecosystems.

Understanding of the indicator

Land cover reflects the (bio) physical dimension of the earth's surface. This can indicate the land's ability to sustain human activity and land use. Ideally, parties should provide data on the area of each land cover type, the percentage of the total national area covered by each land cover type and any patterns and trends over time. Where available, data should also be provided on the net primary productivity of each land cover type, to give some indication of the total productive capacity of the land.

Data needed

Total national land area, classification of land cover types, the total area of each land cover type (square km) and the total area of each land cover type as a percentage of the total national land area.

Relevant terms in the glossary

'aerial photo', 'data', 'data analysis', 'data source', 'desertification/land degradation and drought (DLDD)', 'Enhanced Vegetation Index (EVI)', 'e-SMART', 'expert knowledge', 'field survey', 'Fraction of photosynthetically active radiation absorbed by vegetation (FAPAR)', 'Global Inventory Modeling and Mapping Studies (GIMMS)', 'ground-truthing', 'indicator' 'land cover', 'Land Cover Classification System (LCCS)', 'land productivity', 'metric', 'minimum mapping unit (MMU)', 'Net primary productivity (NPP)', 'Normalized Difference Vegetation Index (NDVI)', 'Rainfall Use Efficiency (RUE)', 'remote sensing', 'satellite image', 'spatial resolution', 'temporal resolution'

### Reporting on land cover

#### Reporting on the indicator

Land Cover Type #1 — Land Cover DW-I 1984/2004

Land cover type

**Name**

**Land Cover DW-I 1984/2004**

Methodology and data availability

**Please provide the definition used for this land cover type for each year between 2000 and 2011 for which land cover data are available.**



If available, LCCS should be used as land cover classification system.

Year	Definition of land cover type
2000	---
2001	---
2002	---
2003	---
2004	The DesertWatch I Land Cover maps it was generated with a semi-automatic procedure that exploits EO Landsat data and the CLC as a calibration data source
2005	---
2006	---
2007	---
2008	---
2009	---
2010	---
2011	---

**Please state the methodology used to produce land cover data in your country for the most recent years and the availability of associated images.**

Where remote sensing was used, state the respective year and month in which remote sensing was carried out to derive images.

*Item 1*

**Year:**  
2004

**Method used:**  
Remote sensing

**If field survey was used, please specify the percentage of country surface sampled:**  
5%

**If field survey was used, were the surveys extrapolated to the entire country?**  
Yes

**If remote sensing was used, identify the type and answer the following questions:**  
Satellite image

**Classification:**  
Automated

**Please specify the spatial resolution of the image:**  
30m

**Please specify the temporal resolution of the image:**  
1days

**Please specify the minimum mapping unit (MMU) of the image:**  
50000m

**Please specify the year that the photo was captured:**  
2004

**Please specify the month that the image was captured:**  
---

**Percentage of country surface assessed via this classification:**  
100%

**Ground truthing conducted?**  
Yes

**If percentage accuracy is available, please specify:**  
90%

**High resolution verification?**  
No

**If percentage accuracy is available, please specify:**  
---%

**Expert opinion?**  
Yes

**Please specify how accurate the map was judged by the experts:**  
Accuracy more than 90%

**Please specify the number of experts involved:**  
25

*Please specify the sources used to extract the information provided above.*

Author	Year	Publication title	Publisher	Website address
ACS et al.	2008	DesrtWatch Final Report	European Space Agence, Rome	<a href="http://www.desertwatch.info/">http://www.desertwatch.info/</a>

Indicator data

*For the years available, please provide the total area covered (in square kilometres) and the proportion of the total national area covered by this land cover type.*

Year	square km	% of total
2000	---	---%
2001	---	---%
2002	---	---%
2003	---	---%
2004	90000	99%
2005	---	---%
2006	---	---%
2007	---	---%
2008	---	---%
2009	---	---%
2010	---	---%
2011	---	---%

*Please provide the geographic datasets which underpin the land cover information provided.*

Ideally, the data should be provided as a shapefile or raster (Geotiff) format with geographic coordinates on the WGS84 datum. If the raw data are not available please provide a map showing the extent of each land cover type listed. Ideally, the map should have a scale of less than 1:250,000 and be provided in a Tiff format.

**Attachments:**

- [2005 Land Cover DW 1.jpg](#), 2.13 MB
- [20081031 ESA-DesertWatch -FR 0 f Final Report.pdf](#), 1.94 MB

**To facilitate understanding of the map provided, please explain clearly what can be seen in the map (resolution of map, year of the map, land cover classes and corresponding colours, borders, etc).**

The shapefile is too large for the PRAIS System - you have an output jpeg of the information. As explained before the map has a mmu of 5 ha, is reported to the year 2004 to all Portugal Continental and de LC classes are: coniferous forest; deciduous forest; mixed forest and mediterranean maquis; grassland; permanent trees and heterogeneous agriculture; not irrigated crops; irrigated land; artificial areas; wetlands; water; bare land; forest fires;

The same map was also produced to the years 1984 and 1994 to evaluate land use changes and trends between 1985/1994; 1994/2004 and 1984/2004 and specific derived maps for these periods: forested / deforested areas; soil sealing; irrigated / abandonment of irrigation; forest fragmentation; re-naturalized / rural abandonment areas; burnt areas

Contact details

General information on the national contact person for this indicator

**Name and surname**

Lúcio do Rosário

**Institution**

Instituto de Conservação da Natureza / National Focal Point to the UNCCD

**Address**

Av. João Crisóstomo, 26-28, 1069-040 Lisboa, Portugal

**Email**

lucio.rosario@icnf.pt

**Telephone**

+351213124903

Land Cover Type #2 — Land Cover DW-Ext 2000 / 2009

Land cover type

**Name**

Land Cover DW-Ext 2000 / 2009

Methodology and data availability

**Please provide the definition used for this land cover type for each year between 2000 and 2011 for which land cover data are available.**

If available, LCCS should be used as land cover classification system.

Year	Definition of land cover type
2000	---
2001	---
2002	---
2003	---
2004	---
2005	---
2006	---

Year	Definition of land cover type
2007	---
2008	---
2009	The LULC legend is based on the nomenclature derived by the Land Degradation Assessment in Drylands (LADA 2006-2010) and proposed by UNCCD. The main characteristics of the LULC classes of interest were defined using the Land Cover Classification System (LCCS) from FAO.
2010	---
2011	---

**Please state the methodology used to produce land cover data in your country for the most recent years and the availability of associated images.**

Where remote sensing was used, state the respective year and month in which remote sensing was carried out to derive images.

*Item 1*

**Year:**

2008

**Method used:**

Remote sensing

**If field survey was used, please specify the percentage of country surface sampled:**

5%

**If field survey was used, were the surveys extrapolated to the entire country?**

Yes

**If remote sensing was used, identify the type and answer the following questions:**

Satellite image

**Classification:**

Automated

**Please specify the spatial resolution of the image:**

30m

**Please specify the temporal resolution of the image:**

1days

**Please specify the minimum mapping unit (MMU) of the image:**

300m

**Please specify the year that the photo was captured:**

2009

**Please specify the month that the image was captured:**

April

**Percentage of country surface assessed via this classification:**

100%

**Ground truthing conducted?**

Yes

**If percentage accuracy is available, please specify:**

90%

**High resolution verification?**

Yes

**If percentage accuracy is available, please specify:**

---%

**Expert opinion?**

Yes

**Please specify how accurate the map was judged by the experts:**  
 More than 90% accuracy for the final results  
**Please specify the number of experts involved:**  
 25

**Please specify the sources used to extract the information provided above.**

Author	Year	Publication title	Publisher	Website address
Critical Software et al	2010	Technical Specification V2 DesertWatch Extension to Portuguese Partners	European Space Agency, Rome	www.desertwatch.info

Indicator data

**For the years available, please provide the total area covered (in square kilometres) and the proportion of the total national area covered by this land cover type.**

Year	square km	% of total
2000	89084	99%
2001	89084	99%
2002	89084	99%
2003	89084	99%
2004	89084	99%
2005	89084	99%
2006	89084	99%
2007	89084	99%
2008	89084	99%
2009	89084	99%
2010	---	---%
2011	---	---%

**Please provide the geographic datasets which underpin the land cover information provided.**

Ideally, the data should be provided as a shapefile or raster (Geotiff) format with geographic coordinates on the WGS84 datum. If the raw data are not available please provide a map showing the extent of each land cover type listed. Ideally, the map should have a scale of less than 1:250,000 and be provided in a Tiff format.

**Attachments:**

- [110719 rag CSW-DESERTW-2010-TNR-02802-Technical-Specification-v2.pdf](#), 1.05 MB
- [LULC-PT-nacional.zip](#), 10.01 MB

**To facilitate understanding of the map provided, please explain clearly what can be seen in the map (resolution of map, year of the map, land cover classes and corresponding colours, borders, etc).**

At National scale, the production of the LULC maps consists in a supervised “per-pixel” classification of multitemporal Landsat images, supported by ground truth data and training data provided by the users. The selection of the classifier was made after testing and analysing the results obtained with a set of 4 parametric and 2 non-parametric classifiers. The selected classifier was the Linear Discriminant Classifier LDC. An additional treatment was also added for the outliers detection process, independently by year time of satellite images, number of spectral bands and vegetation indices.

The final classification method was applied over the entire study area for images from 2000 and 2009 in Portugal. Legend: Artificial areas; Agricultural areas; Forests; Schrubland; Natural grassland; Sparsely vegetated areas; Burnt areas; Beaches, dunes, sand plains and rocks; Wetlands; Water bodies

---

Contact details

General information on the national contact person for this indicator

**Name and surname**

Lúcio do Rosário

**Institution**

Istituto da Conservação da Natureza e das Florestas / National Focal Point to UNCCD

**Address**

Av. João Crisóstomo, 26-28, 1069-040 Lisboa, Portugal

**Email**

lucio.rosario@icnf.pt

**Telephone**

+351213124903

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**Interpretation of indicator status/trend and policy implications**

Interpretation of the indicator

**Did you provide data for more than one year?**

Yes

**If no, do you see a pattern in the data related to affected areas?**

No answer required.

**Please explain the pattern emerging from the data and how it relates to DLDD.**

No answer required.

**Does the indicator change over time?**

Yes

**If no, please explain possible reasons why the indicator does not change over time**

No answer required.

**If yes, is there a functional relationship between the indicator and DLDD?**

Yes

**If DLDD does not affect the indicator, please describe the other factor(s) responsible for changes in the indicator value over time.**

No answer required.

**Please describe how DLDD affects the indicator.**

In affected areas by DLDD in Portugal the LULUC between 1984 to 2004 and between 1990 to 1999 shows: Abandonment / re-naturalization of agricultural areas, including irrigated areas; Increase of forest areas, with fragmentation of forests; Increase of rural fires; Degradation of mediterranean forest forests (montados), with decrease in areas (special Quercus rotundifolia) and increase of forest fragmentation

**Does the extent of affected areas increase or decrease?**

Both increase and decrease

**Please explain the pattern emerging from the data.**

From Sanjuan et al 2011, considering the consistence of LDI results and the LU patterns we can conclude:

- (i) The 2dRUE paradigm to assess land condition is consistent with previous results published in independent studies; It also shows that a shift in the response of vegetation to increasingly drier conditions occurs beyond the dry sub-humid zone, where (or when) water stands as the dominant limiting factor for vegetation performance;
- (ii) There is no generalised degradation at the country level, but still almost one third of land is somewhat degraded and desertification hot spots should be found in that domain. Natural and semi-natural vegetation in good conditions is particularly lacking;
- (iii) The amount of land under active degradation processes is very low, of only 1.5% of the total - The immediate implication is that it should be easily tackled by desertification policies, and the land condition map may help to aim their focus.

**Please upload any graphs showing the temporal pattern/trend in the indicator over time, covering all years for which data is available.**

The graph should be provided as jpg or pdf with a maximum file size of 2MB. To facilitate understanding please explain clearly what can be seen in the diagrams (keys, classes, resolutions etc.)

**Attachments:**

- [110321 DW EEZA LDI-2dRUE Portugal.pdf](#), 299.03 kB

**Please state the actions and policies that you currently have in place or any that will be implemented in the future to address the implications of the indicator trend or lack thereof for addressing DLDD in your country.**

**The actions and policies in place and to be implemented for the future to address the implications of DLDD there are the proposals for the new Portuguese NAP 2012 / 2020, revised in line with the Strategy and attached to this ANR.**

**Feedback**

Report on specific COP requests – iterative process on indicators

Decision 13/COP.9 (paragraphs 2, 3 and 4) and decision 17/COP.9 envisage an iterative process to refine the set of performance and impact indicators. As a tool to implement this iterative process, affected country Parties can provide here their suggestions and recommendations for improvement. Using a scale from 0 to 5, where 0 = (no, not at all) and 5 = (yes, very much), please rate the indicator. Please write any comments related to your assessment under the column “remarks”.

Assessment Criteria (e-SMART)	Score	Remarks
Relevant – Does the indicator provide information about changes in primary processes unambiguously related to DLDD and UNCCD implementation?	5	---
Relevant – Is the indicator relevant for DLDD national planning purposes, including monitoring of the National Action Programme (NAP)?	5	---
Relevant – Can policymakers easily understand the indicator?	5	---
Specific – Is the indicator based on well-understood and generally accepted conceptual models of the system to which it is applied so that changes in its value will have clear meaning regarding the process of concern?	5	---
Specific – Is the requested spatial scale (national vs. affected areas) of the indicator appropriate for its monitoring purposes?	4	---
Measurable – Are the definitions of the indicator and its constitutive elements clear and not ambiguous?	5	---
Measurable – Are the proposed methodologies for the measurement of this indicator sufficiently clear to ensure reliable data?	5	---

Assessment Criteria (e-SMART)	Score	Remarks
Time-bound – Is the indicator sensitive enough to detect important changes but not so sensitive that signals are masked by natural variability?	4	---
Time-bound – Can the indicator detect changes at the required temporal and spatial scales and are the up-scaling / cross-scaling rules clear?	5	---
Achievable – Are reliable data and monitoring systems available to assess trends and is data collection a relatively straightforward process?	5	---
Achievable – Is the frequency of data collection in line with the monitoring and reporting requirements of the UNCCD?	4	---
Economic – Is the indicator cost-effective? Is the cost of data collection affordable and worthwhile? (consider any required cost for personnel, capital but also, recurring costs)	3	---

### Reporting on land productivity

Do not reply to this section if you provided no data on land cover.

### Reporting on the indicator

Do not reply to this section if you provided no data on land cover.

**Please, state the methods used to estimate land productivity in your country.**

*No answer provided.*

**Please state the net primary productivity (NPP) (in kgC ha<sup>-1</sup> year<sup>-1</sup>) for each land cover type described in section “Land Cover Status” / sub-section “Methodology and data availability”:**

Year (2000-2011)	Land cover type	NPP (kgC ha <sup>-1</sup> year <sup>-1</sup> )
---	---	---

**For the land cover types described in section “Land Cover Status” / sub-section “Methodology and data availability”, please state whether you have data on NDVI, FAPAR, EVI or others and also state the respective value.**

Year (2000-2011)	Land cover type	Value	Data type
---	---	---	---

**If Others, please specify:**

*No answer required.*

**Please specify the sources used to extract the information provided above.**

Author	Year	Publication title	Publisher	Website address
---	---	---	---	---

**Please provide the geographic datasets which underpin the land productivity information provided.**

Ideally, the data should be provided as a shapefile or raster (Geotiff) format with geographic coordinates on the WGS84 datum. If the raw data are not available please provide a map showing the extent of each land cover type listed. Ideally, the map should have a scale of less than 1:250,000 and be provided in a Tiff format.

*No files attached.*

**To facilitate understanding of the map provided, please explain clearly what can be seen in the map (resolution of map, year of the map, land cover classes and corresponding colours, borders, etc).**



*No answer provided.*

---

## Interpretation of the indicator

**Did you provide data for more than one year?**

Yes

**If no, do you see a pattern in the data related to affected areas?**

*No answer required.*

**Please explain the pattern emerging from the data and how it relates to DLDD.**

*No answer required.*

**Does the indicator change over time?**

Yes

**If no, please explain possible reasons why the indicator does not change over time**

*No answer required.*

**If yes, is there a functional relationship between the indicator and DLDD?**

Yes

**If DLDD does not affect the indicator, please describe the other factor(s) responsible for changes in the indicator value over time.**

*No answer required.*

**Please describe how DLDD affects the indicator.**

*No answer provided.*

**Does the extent of affected areas increase or decrease?**

Decrease

**Please explain the pattern emerging from the data.**

*No answer provided.*

**Please upload any graphs showing the temporal pattern/trend in the indicator over time, covering all years for which data is available.**

The graph should be provided as jpg or pdf with a maximum file size of 2MB. To facilitate understanding please explain clearly what can be seen in the diagrams (keys, classes, resolutions etc.)

*No files attached.*

**Please state the actions and policies that you currently have in place or any that will be implemented in the future to address the implications of the indicator trend or lack thereof for addressing DLDD in your country.**

*No answer provided.*

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## Feedback

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### Report on specific COP requests – iterative process on indicators

Decision 13/COP.9 (paragraphs 2, 3 and 4) and decision 17/COP.9 envisage an iterative process to refine the set of performance and impact indicators. As a tool to implement this iterative process, affected country Parties can provide here their suggestions and recommendations for improvement. Using a scale from 0 to 5, where 0 = (no, not at all) and 5 = (yes, very much), please rate the indicator. Please write any comments related to your assessment under the column "remarks".

Assessment Criteria (e-SMART)	Score	Remarks
Relevant – Does the indicator provide information about changes in primary processes	5	---

Assessment Criteria (e-SMART)	Score	Remarks
unambiguously related to DLDD and UNCCD implementation?		
Relevant – Is the indicator relevant for DLDD national planning purposes, including monitoring of the National Action Programme (NAP)?	5	---
Relevant – Can policymakers easily understand the indicator?	5	---
Specific – Is the indicator based on well-understood and generally accepted conceptual models of the system to which it is applied so that changes in its value will have clear meaning regarding the process of concern?	5	---
Specific – Is the requested spatial scale (national vs. affected areas) of the indicator appropriate for its monitoring purposes?	4	---
Measurable – Are the definitions of the indicator and its constitutive elements clear and not ambiguous?	5	---
Measurable – Are the proposed methodologies for the measurement of this indicator sufficiently clear to ensure reliable data?	5	---
Time-bound – Is the indicator sensitive enough to detect important changes but not so sensitive that signals are masked by natural variability?	5	---
Time-bound – Can the indicator detect changes at the required temporal and spatial scales and are the up-scaling / cross-scaling rules clear?	5	---
Achievable – Are reliable data and monitoring systems available to assess trends and is data collection a relatively straightforward process?	5	---
Achievable – Is the frequency of data collection in line with the monitoring and reporting requirements of the UNCCD?	5	---
Economic – Is the indicator cost-effective? Is the cost of data collection affordable and worthwhile? (consider any required cost for personnel, capital but also, recurring costs)	5	---

### Additional indicators on strategic objectives 1, 2 and 3

This reporting template can be used to report on the nine impact indicators provisionally accepted by the COP (see decision 17/COP.9) but considered optional for inclusion in reports by affected country Parties. Detailed reporting guidelines have not been developed for these nine optional impact indicators, but a description of the indicators and associated metrics can be found in Orr, B.J. 2011. “Scientific review of the UNCCD provisionally accepted set of impact indicators to measure the implementation of strategic objectives 1, 2 and 3.” White Paper Version 1. Available from [http://www.unccd.int/en/programmes/Science/Monitoring-Assessment/Documents/White%20paper\\_Scientific%20review%20set%20of%20indicators\\_Ver1.pdf](http://www.unccd.int/en/programmes/Science/Monitoring-Assessment/Documents/White%20paper_Scientific%20review%20set%20of%20indicators_Ver1.pdf)

Alternative indicators considered more suitable than the provisionally accepted indicators may also be reported on using this template. The condition for reporting on alternative indicators is that these fit into the underlying logic of measuring progress against strategic objectives 1, 2 and 3 of the Strategy.

#### Purpose of the indicators

<b>Water availability per capita</b>	“To measure and monitor changes in access to water sources for the population. This can be used to assess the impacts of DLDD, and mitigation efforts, on water resources”
<b>Change in land use</b>	“To measure and monitor changes in the productive or protective uses of the land resource. This can be used to assess sustainability of land use.”
<b>Food consumption per capita</b>	“To measure and monitor changes in nutritional status. This can act as an indicator of both well-being and the availability of ecosystem services.”

<b>Capacity of soils to sustain agro-pastoral use</b>	“To measure and monitor changes in the status of soil health. This can be used to assess the impacts of DLDD, and mitigation efforts, on soil health.”
<b>Degree of land degradation</b>	“To measure and monitor changes in the extent and severity of land degradation. This can be used to assess the impact of agreements and programs to address land degradation and reclaim degraded lands.”
<b>Plant and animal biodiversity</b>	“To measure and monitor changes in the status of biodiversity relative to a ‘pristine’ baseline. This can be used as an indicator for overall environmental sustainability and used to assess the impacts of DLDD, and interventions, on enhancing biodiversity.”
<b>Drought index</b>	“Acts as an indicator for characterising sensitive and desertification-affected areas. This can be used to monitor the climatic conditions affecting water availability as a driving force of DLDD, provide early warnings of drought and assess severity and actions.”
<b>Carbon stocks above and below ground</b>	“To measure and monitor changes in above and below ground stocks as a global benefit. This can be used to assess the impacts of DLDD, and mitigation efforts on carbon stocks.”
<b>Land under Sustainable Land Management (SLM)</b>	“To act as a surrogate for measuring and monitoring a number of global benefits: (a) Climate regulation and carbon sequestration; (b) Vegetation cover and composition; and (c) Water retention and the regional hydrologic balance.”

### **Additional Indicator #1**

Identification of the indicator / metric

***On which type of additional indicator do you wish to report?***

**One of the impact indicators provisionally accepted by the COP**

***If you wish to report on one of the impact indicators provisionally accepted by the COP, please choose the indicator and metric you are reporting on.***

- Land use

***If other, please specify the new metric.***

*No answer required.*

***If other, please state why you choose to report on a new metric.***

*No answer required.*

***If other, please state how this new metric relates to the purpose of the indicator.***

*No answer required.*

***If you wish to report on an alternative indicator, does the new indicator replace or supplement one of the provisionally accepted indicators?***

*No answer required.*

***If it replaces, please state which provisionally accepted indicator the new indicator replaces:***

*No answer required.*

***If it replaces, please state why you decided to report on an alternative indicator:***

*No answer required.*

***If it replaces, please state how the new indicator relates to the purpose of the original indicator:***

*No answer required.*

***If it supplements, please state why you decided to report on an additional indicator:***

*No answer required.*

***If it supplements, please state the purpose of the additional indicator and how it relates to the strategic***

**objectives 1, 2 and 3 of the Strategy:**

No answer required.

**If it supplements, please specify the new indicator:**

No answer required.

---

Methodology and data availability

**Please state all years for which indicator data are available, and elaborate on the data collection methods used.**

Item 1

**Year**

2009

**Data available**

As described already to the Indicator Land Cover for Portugal the available data cover the years 1984, 1994 and 2004 with DesertWatch I and from 2000 to 2009 with DesertWatch Extension. Technical details and conclusions for the applicatio of the indicator was refered for indicator LC in this report

**Method used**

Stratified random survey

**How often are the data used to calculate this indicator collected?**

Less frequently than 10 years

**Was every region (or equivalent sub-national unit) of your country covered in the assessment?**

Yes

**What approximate proportion of national area was covered by the assessment?**

100%

**Please specify the geographic area covered by the indicator data (Ideally you should name administrative units covered)**

Portugal Continental area

**Do the indicator data cover areas in your country that have been identified as affected by DLDD?**

Yes

**If yes, are the demarcation (i.e. provinces, states and districts) and criteria used to identify affected areas the same as those described in the section “General information” / sub-section “Definition of affected areas”?**

Yes

**If no, please state the criteria used to identify areas affected by DLDD.**

No answer required.

**Please upload a graph showing the change in the indicator (y-axis) over time (x-axis).**

The graph should be provided as jpg or pdf file with a maximum file size of 2MB.

No files attached.

---

Indicator data

Question marked as 'Skipped'.

**Please state the unit of measurement in which the indicator data are reported:**

No answer provided.

**Please provide relevant data for all years listed in section “Additional indicators” / sub-section “Methodology and data availability” and ensure that all data provided are in the same unit of measurement specified above.**

You may choose to separate the data into relevant categories (please name the categories and fill in the respective year).

Item 1

Year

---

Category

---

Data

---30w

*Please specify the sources used to extract the information provided above.*

Author	Year	Publication title	Publisher	Website address
---	---	---	---	---

Contact details

General information on the national contact person for this indicator

**Name and surname**

Lucio do Rosário

**Institution**

Instituto da Conservação da Natureza e das Florestas / National Focal Point to UNCCD

**Address**

Av. João Crisóstomo, 26-28, 1069-040 Lisboa, Portugal

**Email**

lucio.rosario@icnf.pt

**Telephone**

+351213124903

Interpretation

*Please state whether you provided data for more than one year.*

Yes

*If no, do you see a pattern in the data?*

No answer required.

*Please explain the pattern emerging from the data.*

No answer required.

*Does the indicator change over time?*

Yes

*If no, please explain possible reasons why the indicator does not change over time*

No answer required.

*If yes, does the indicator value increase or decrease?*

Both increase and decrease

*Please explain the pattern emerging from the data.*

Described already to the Indicator Land Cover for Portugal. Patterns and conclusions for the application of the indicator between 1984 and 2009 was referred for indicator LC in this report

*Is there a functional relationship between the indicator and DLDD?*

No answer provided.

*If yes, please describe how DLDD affects the indicator*

No answer required.

**If DLDD does not affect the indicator, please describe the other factor(s) responsible for changes in the indicator value.**

*No answer required.*

**Please upload a map showing the temporal and/or geographical pattern/trend in the indicator over time.**

The map should be provided as jpg file with a maximum file size of 2MB. To facilitate understanding of the map provided, please explain clearly what can be seen in the map (resolution of map, year of the map, legend and corresponding colours, borders).

*No files attached.*

**Please state the actions and policies that you currently have in place or any that will be implemented in the future to address the implications of the indicator trend or lack thereof for addressing DLDD in your country.**

*No answer provided.*

Report on specific COP requests – iterative process on indicators

Decision 13/COP.9 (paragraphs 2, 3 and 4) and decision 17/COP.9 envisage an iterative process to refine the set of performance and impact indicators. As a tool to implement this iterative process, affected country Parties can provide here their suggestions and recommendations for improvement. Using a scale from 0 to 5, where 0 = (no, not at all) and 5 = (yes, very much), please rate the indicator. Please write any comments related to your assessment under the column “remarks”.

<b>Assessment Criteria (e-SMART)</b>	<b>Score</b>	<b>Remarks</b>
Relevant – Does the indicator provide information about changes in primary processes unambiguously related to DLDD and UNCCD implementation?	5	---
Relevant – Is the indicator relevant for DLDD national planning purposes, including monitoring of the National Action Programme (NAP)?	5	---
Relevant – Can policymakers easily understand the indicator?	5	---
Specific – Is the indicator based on well-understood and generally accepted conceptual models of the system to which it is applied so that changes in its value will have clear meaning regarding the process of concern?	5	---
Specific – Is the requested spatial scale (national vs. affected areas) of the indicator appropriate for its monitoring purposes?	5	---
Measurable – Are the definitions of the indicator and its constitutive elements clear and not ambiguous?	5	---
Measurable – Are the proposed methodologies for the measurement of this indicator sufficiently clear to ensure reliable data?	5	---
Time-bound – Is the indicator sensitive enough to detect important changes but not so sensitive that signals are masked by natural variability?	4	---
Time-bound – Can the indicator detect changes at the required temporal and spatial scales and are the up-scaling / cross-scaling rules clear?	5	---
Achievable – Are reliable data and monitoring systems available to assess trends and is data collection a relatively straightforward process?	5	---
Achievable – Is the frequency of data collection in line with the monitoring and reporting requirements of the UNCCD?	5	---

Assessment Criteria (e-SMART)	Score	Remarks
Economic – Is the indicator cost-effective? Is the cost of data collection affordable and worthwhile? (consider any required cost for personnel, capital but also, recurring costs)	4	---

---

## Additional Indicator #2

Identification of the indicator / metric

***On which type of additional indicator do you wish to report?***

One of the impact indicators provisionally accepted by the COP

***If you wish to report on one of the impact indicators provisionally accepted by the COP, please choose the indicator and metric you are reporting on.***

- Number and share of crop and animal varieties that are endangered per area

***If other, please specify the new metric.***

No answer required.

***If other, please state why you choose to report on a new metric.***

No answer required.

***If other, please state how this new metric relates to the purpose of the indicator.***

No answer required.

***If you wish to report on an alternative indicator, does the new indicator replace or supplement one of the provisionally accepted indicators?***

No answer required.

***If it replaces, please state which provisionally accepted indicator the new indicator replaces:***

No answer required.

***If it replaces, please state why you decided to report on an alternative indicator:***

No answer required.

***If it replaces, please state how the new indicator relates to the purpose of the original indicator:***

No answer required.

***If it supplements, please state why you decided to report on an additional indicator:***

No answer required.

***If it supplements, please state the purpose of the additional indicator and how it relates to the strategic objectives 1, 2 and 3 of the Strategy:***

No answer required.

***If it supplements, please specify the new indicator:***

No answer required.

Methodology and data availability

***Please state all years for which indicator data are available, and elaborate on the data collection methods used.***

Item 1

**Year**

2010

**Data available**

Classified threatened, rare and endemic species of vascular plants, fishes, amphibians, reptiles, birds and mammals,

also natural habitats from 1990 to 2010 to all the country

**Method used**

Expert opinion

**How often are the data used to calculate this indicator collected?**

Less frequently than 10 years

**Was every region (or equivalent sub-national unit) of your country covered in the assessment?**

Yes

**What approximate proportion of national area was covered by the assessment?**

100%

**Please specify the geographic area covered by the indicator data (Ideally you should name administrative units covered)**

All the Portugal area

***Do the indicator data cover areas in your country that have been identified as affected by DLDD?***

Yes

***If yes, are the demarcation (i.e. provinces, states and districts) and criteria used to identify affected areas the same as those described in the section “General information” / sub-section “Definition of affected areas”?***

Yes

***If no, please state the criteria used to identify areas affected by DLDD.***

No answer required.

***Please upload a graph showing the change in the indicator (y-axis) over time (x-axis).***

The graph should be provided as jpg or pdf file with a maximum file size of 2MB.

**Attachments:**

- [Biodiversidade\\_base.jpg](#), 57.48 kB

Indicator data

***Please state the unit of measurement in which the indicator data are reported:***

10x10 km

***Please provide relevant data for all years listed in section “Additional indicators” / sub-section “Methodology and data availability” and ensure that all data provided are in the same unit of measurement specified above.***

You may choose to separate the data into relevant categories (please name the categories and fill in the respective year).

Item 1

**Year**

---

**Category**

---

**Data**

---30w

***Please specify the sources used to extract the information provided above.***

Author	Year	Publication title	Publisher	Website address
Miguel Bastos Araújo et all	2011	Biodiversidade e alterações climáticas na Península Ibérica	Patrocínio EDP & CIBIO, portugal	<a href="http://www.catedra.uevora.pt/rui-nabeiro/index.php/rui_nabeiro/News-Events/News/New-study-in-NATURE">http://www.catedra.uevora.pt/rui-nabeiro/index.php/rui_nabeiro/News-Events/News/New-study-in-NATURE</a>

Contact details

General information on the national contact person for this indicator



**Name and surname**

Lúcio do Rosário

**Institution**

Instituto de Conservação da Natureza e das Florestas / National Focal Point to UNCCD

**Address**

Av. João Crisóstomo, 26-28, 1069-040 Lisboa, Portugal

**Email**

lucio.rosario@icnf.pt

**Telephone**

+351213124903

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Interpretation

**Please state whether you provided data for more than one year.**

Yes

**If no, do you see a pattern in the data?**

No answer required.

**Please explain the pattern emerging from the data.**

No answer required.

**Does the indicator change over time?**

Yes

**If no, please explain possible reasons why the indicator does not change over time**

No answer required.

**If yes, does the indicator value increase or decrease?**

Increase

**Please explain the pattern emerging from the data.**

General increasing of biodiversity with the "re-naturalization" trends (shrubs and forest); Dry ecosystems key protected species (e.g. Otis, Tetrax, Pterocles) should be threatened with the decrease of agricultural and pasture lands on the country

**Is there a functional relationship between the indicator and DLDD?**

Yes

**If yes, please describe how DLDD affects the indicator**

As described above

**If DLDD does not affect the indicator, please describe the other factor(s) responsible for changes in the indicator value.**

No answer required.

**Please upload a map showing the temporal and/or geographical pattern/trend in the indicator over time.**

The map should be provided as jpg file with a maximum file size of 2MB. To facilitate understanding of the map provided, please explain clearly what can be seen in the map (resolution of map, year of the map, legend and corresponding colours, borders).

No files attached.

**Please state the actions and policies that you currently have in place or any that will be implemented in the future to address the implications of the indicator trend or lack thereof for addressing DLDD in your country.**

## Proposals on the new NAP 2012 / 2020 attached to this report

Report on specific COP requests – iterative process on indicators

Decision 13/COP.9 (paragraphs 2, 3 and 4) and decision 17/COP.9 envisage an iterative process to refine the set of performance and impact indicators. As a tool to implement this iterative process, affected country Parties can provide here their suggestions and recommendations for improvement. Using a scale from 0 to 5, where 0 = (no, not at all) and 5 = (yes, very much), please rate the indicator. Please write any comments related to your assessment under the column “remarks”.

Assessment Criteria (e-SMART)	Score	Remarks
Relevant – Does the indicator provide information about changes in primary processes unambiguously related to DLDD and UNCCD implementation?	5	---
Relevant – Is the indicator relevant for DLDD national planning purposes, including monitoring of the National Action Programme (NAP)?	5	---
Relevant – Can policymakers easily understand the indicator?	4	---
Specific – Is the indicator based on well-understood and generally accepted conceptual models of the system to which it is applied so that changes in its value will have clear meaning regarding the process of concern?	5	---
Specific – Is the requested spatial scale (national vs. affected areas) of the indicator appropriate for its monitoring purposes?	5	---
Measurable – Are the definitions of the indicator and its constitutive elements clear and not ambiguous?	3	---
Measurable – Are the proposed methodologies for the measurement of this indicator sufficiently clear to ensure reliable data?	5	---
Time-bound – Is the indicator sensitive enough to detect important changes but not so sensitive that signals are masked by natural variability?	3	---
Time-bound – Can the indicator detect changes at the required temporal and spatial scales and are the up-scaling / cross-scaling rules clear?	5	---
Achievable – Are reliable data and monitoring systems available to assess trends and is data collection a relatively straightforward process?	4	---
Achievable – Is the frequency of data collection in line with the monitoring and reporting requirements of the UNCCD?	4	---
Economic – Is the indicator cost-effective? Is the cost of data collection affordable and worthwhile? (consider any required cost for personnel, capital but also, recurring costs)	2	---

### Additional Indicator #3

Identification of the indicator / metric

***On which type of additional indicator do you wish to report?***

**One of the impact indicators provisionally accepted by the COP**

***If you wish to report on one of the impact indicators provisionally accepted by the COP, please choose the indicator and metric you are reporting on.***

- **Standardized Precipitation Index (SPI)**

**If other, please specify the new metric.**

No answer required.

**If other, please state why you choose to report on a new metric.**

No answer required.

**If other, please state how this new metric relates to the purpose of the indicator.**

No answer required.

**If you wish to report on an alternative indicator, does the new indicator replace or supplement one of the provisionally accepted indicators?**

No answer required.

**If it replaces, please state which provisionally accepted indicator the new indicator replaces:**

No answer required.

**If it replaces, please state why you decided to report on an alternative indicator:**

No answer required.

**If it replaces, please state how the new indicator relates to the purpose of the original indicator:**

No answer required.

**If it supplements, please state why you decided to report on an additional indicator:**

No answer required.

**If it supplements, please state the purpose of the additional indicator and how it relates to the strategic objectives 1, 2 and 3 of the Strategy:**

No answer required.

**If it supplements, please specify the new indicator:**

No answer required.

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Methodology and data availability

**Please state all years for which indicator data are available, and elaborate on the data collection methods used.**

Item 1

**Year**

2011

**Data available**

Evolution of PSI from 1900 c. until now

**Method used**

Stratified random survey

**How often are the data used to calculate this indicator collected?**

Every week

**Was every region (or equivalent sub-national unit) of your country covered in the assessment?**

Yes

**What approximate proportion of national area was covered by the assessment?**

100%

**Please specify the geographic area covered by the indicator data (Ideally you should name administrative units covered)**

All Portugal

**Do the indicator data cover areas in your country that have been identified as affected by DLDD?**

Yes

**If yes, are the demarcation (i.e. provinces, states and districts) and criteria used to identify affected areas the**

same as those described in the section “General information” / sub-section “Definition of affected areas”?

Yes

If no, please state the criteria used to identify areas affected by DLDD.

No answer required.

Please upload a graph showing the change in the indicator (y-axis) over time (x-axis).

The graph should be provided as jpg or pdf file with a maximum file size of 2MB.

**Attachments:**

- [2010 PT Perc Área Classes Seca MedPDSI SPI12 1941 2006 in PAULO, ROSA & MARINS 2010 fig5 p67.jpg](#), 143.16 kB
- [sh\\_4100\\_total.jpg](#), 131.66 kB

Indicator data

Please state the unit of measurement in which the indicator data are reported:

1x1 km

Please provide relevant data for all years listed in section “Additional indicators” / sub-section “Methodology and data availability” and ensure that all data provided are in the same unit of measurement specified above.

You may choose to separate the data into relevant categories (please name the categories and fill in the respective year).

Item 1

**Year**

2011

**Category**

Maps

**Data**

Please see the data for PSI on the Portuguese National Observatório da Seca. <http://www.meteo.pt/pt/oclima/observatoriosecas/30w>

Please specify the sources used to extract the information provided above.

Author	Year	Publication title	Publisher	Website address
PEREIRA, Luís Santos, João Tiago MEXIA & Carlos A. L. PIRES (ed)	2011	Gestão do Risco em Secas. Métodos, tecnologias e desafios	Edições Colibri - CEER, Lisboa	---

Contact details

General information on the national contact person for this indicator

**Name and surname**

Lúcio do Rosário

**Institution**

Instituto de Conservação da Natureza e das Florestas / National Focal Point to UNCCD

**Address**

Av. João Crisóstomo, 26-28, 1069-040 Lisboa, Portugal

**Email**

lucio.rosario@icnf.pt

**Telephone**

+351213124903

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Interpretation

**Please state whether you provided data for more than one year.**

Yes

**If no, do you see a pattern in the data?**

No answer required.

**Please explain the pattern emerging from the data.**

No answer required.

**Does the indicator change over time?**

Yes

**If no, please explain possible reasons why the indicator does not change over time**

No answer required.

**If yes, does the indicator value increase or decrease?**

Both increase and decrease

**Please explain the pattern emerging from the data.**

Pereira et al. 2011 shows that in the last century the data about drought in Portugal shows a stability in patterns, even in the last years drought was very intensive in the country

**Is there a functional relationship between the indicator and DLDD?**

Yes

**If yes, please describe how DLDD affects the indicator**

Dry areas are clearly the more affected in general terms by drought

**If DLDD does not affect the indicator, please describe the other factor(s) responsible for changes in the indicator value.**

No answer required.

**Please upload a map showing the temporal and/or geographical pattern/trend in the indicator over time.**

The map should be provided as jpg file with a maximum file size of 2MB. To facilitate understanding of the map provided, please explain clearly what can be seen in the map (resolution of map, year of the map, legend and corresponding colours, borders).

**Attachments:**

- [2010 PT Perc Área Classes Seca MedPDSI SPI12 1941\\_2006 in PAULO, ROSA & MARINS 2010 fig5 p67.jpg](#), 143.16 kB
- [sh\\_4100\\_total.jpg](#), 131.66 kB

**Please state the actions and policies that you currently have in place or any that will be implemented in the future to address the implications of the indicator trend or lack thereof for addressing DLDD in your country.**

Actions and policies in place and proposed in the new NAP 2012 / 2020 attached to this report

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Report on specific COP requests – iterative process on indicators

Decision 13/COP.9 (paragraphs 2, 3 and 4) and decision 17/COP.9 envisage an iterative process to refine the set of performance and impact indicators. As a tool to implement this iterative process, affected country Parties can provide here their suggestions and recommendations for improvement. Using a scale from 0 to 5, where 0 = (no, not at all) and 5 = (yes, very much), please rate the indicator. Please write any comments related to your assessment under the column "remarks".

Assessment Criteria (e-SMART)	Score	Remarks
Relevant – Does the indicator provide information about changes in primary processes	5	---

Assessment Criteria (e-SMART)	Score	Remarks
unambiguously related to DLDD and UNCCD implementation?		
Relevant – Is the indicator relevant for DLDD national planning purposes, including monitoring of the National Action Programme (NAP)?	5	---
Relevant – Can policymakers easily understand the indicator?	5	---
Specific – Is the indicator based on well-understood and generally accepted conceptual models of the system to which it is applied so that changes in its value will have clear meaning regarding the process of concern?	5	---
Specific – Is the requested spatial scale (national vs. affected areas) of the indicator appropriate for its monitoring purposes?	5	---
Measurable – Are the definitions of the indicator and its constitutive elements clear and not ambiguous?	5	---
Measurable – Are the proposed methodologies for the measurement of this indicator sufficiently clear to ensure reliable data?	---	---
Time-bound – Is the indicator sensitive enough to detect important changes but not so sensitive that signals are masked by natural variability?	5	---
Time-bound – Can the indicator detect changes at the required temporal and spatial scales and are the up-scaling / cross-scaling rules clear?	5	---
Achievable – Are reliable data and monitoring systems available to assess trends and is data collection a relatively straightforward process?	5	---
Achievable – Is the frequency of data collection in line with the monitoring and reporting requirements of the UNCCD?	5	---
Economic – Is the indicator cost-effective? Is the cost of data collection affordable and worthwhile? (consider any required cost for personnel, capital but also, recurring costs)	5	---

#### Additional Indicator #4

Identification of the indicator / metric

***On which type of additional indicator do you wish to report?***

**One of the impact indicators provisionally accepted by the COP**

***If you wish to report on one of the impact indicators provisionally accepted by the COP, please choose the indicator and metric you are reporting on.***

- **Below ground organic carbon stocks**

***If other, please specify the new metric.***

*No answer required.*

***If other, please state why you choose to report on a new metric.***

*No answer required.*

***If other, please state how this new metric relates to the purpose of the indicator.***

*No answer required.*

***If you wish to report on an alternative indicator, does the new indicator replace or supplement one of the provisionally accepted indicators?***

No answer required.

**If it replaces, please state which provisionally accepted indicator the new indicator replaces:**

No answer required.

**If it replaces, please state why you decided to report on an alternative indicator:**

No answer required.

**If it replaces, please state how the new indicator relates to the purpose of the original indicator:**

No answer required.

**If it supplements, please state why you decided to report on an additional indicator:**

No answer required.

**If it supplements, please state the purpose of the additional indicator and how it relates to the strategic objectives 1, 2 and 3 of the Strategy:**

No answer required.

**If it supplements, please specify the new indicator:**

No answer required.

---

Methodology and data availability

**Please state all years for which indicator data are available, and elaborate on the data collection methods used.**

Item 1

**Year**

---

**Data available**

1995 - Carbon stocks in the soils with forest cover for

**Method used**

Stratified random survey

**How often are the data used to calculate this indicator collected?**

Every 10 years

**Was every region (or equivalent sub-national unit) of your country covered in the assessment?**

Yes

**What approximate proportion of national area was covered by the assessment?**

100%

**Please specify the geographic area covered by the indicator data (Ideally you should name administrative units covered)**

All Portugal Continental - 148 plots to 20 cm deep in soil

Item 2

**Year**

---

**Data available**

1999 - Carbon stocks in the agricultural land cover until 30 cm deep in soil

**Method used**

Stratified random survey

**How often are the data used to calculate this indicator collected?**

Less frequently than 10 years

**Was every region (or equivalent sub-national unit) of your country covered in the assessment?**

Yes

**What approximate proportion of national area was covered by the assessment?**

100%

**Please specify the geographic area covered by the indicator data (Ideally you should name administrative units covered)**

109 plots in all Portugal Continental

*Item 3*

**Year**

2005

**Data available**

102 plots of carbon stocks in the soils with forest cover until 40 cm deep, repeating part of the 1995 plots

**Method used**

Stratified random survey

**How often are the data used to calculate this indicator collected?**

Less frequently than 10 years

**Was every region (or equivalent sub-national unit) of your country covered in the assessment?**

Yes

**What approximate proportion of national area was covered by the assessment?**

100%

**Please specify the geographic area covered by the indicator data (Ideally you should name administrative units covered)**

102 plots in all Portugal Continental

***Do the indicator data cover areas in your country that have been identified as affected by DLDD?***

**Yes**

***If yes, are the demarcation (i.e. provinces, states and districts) and criteria used to identify affected areas the same as those described in the section “General information” / sub-section “Definition of affected areas”?***

**Yes**

***If no, please state the criteria used to identify areas affected by DLDD.***

*No answer required.*

***Please upload a graph showing the change in the indicator (y-axis) over time (x-axis).***

The graph should be provided as jpg or pdf file with a maximum file size of 2MB.

**Attachments:**

- [estmodelvb.jpg](#), 425.61 kB

Indicator data

***Please state the unit of measurement in which the indicator data are reported:***

**100x100m**

***Please provide relevant data for all years listed in section “Additional indicators” / sub-section “Methodology and data availability” and ensure that all data provided are in the same unit of measurement specified above.***

You may choose to separate the data into relevant categories (please name the categories and fill in the respective year).

*Item 1*

**Year**

---

**Category**

---

**Data**

---30w

***Please specify the sources used to extract the information provided above.***



Author	Year	Publication title	Publisher	Website address
Lúcio do Rosário & Conceição Ferreira	2010	Bases para a Avaliação do Sequestro e Sinks de Carbono Orgânico Total nos Solos Florestais e Agrícolas Portugueses. Dados da Rede ICP Forest (1995), LQARS (1999) e Projecto BioSoil (2005)	AFN Report to SNIERPA/APA, Lisboa	---

#### Contact details

General information on the national contact person for this indicator

#### **Name and surname**

**Lúcio do Rosário**

#### **Institution**

**Instituto da Conservação da Natureza e das Florestas / National Focal Point to the UNCCD**

#### **Address**

**Av. João Crisóstomo, 26-28, 1069-040 Lisboa, Portugal**

#### **Email**

**lucio.rosario@icnf.pt**

#### **Telephone**

**+351213124903**

#### Interpretation

**Please state whether you provided data for more than one year.**

**Yes**

**If no, do you see a pattern in the data?**

*No answer required.*

**Please explain the pattern emerging from the data.**

*No answer required.*

**Does the indicator change over time?**

**Yes**

**If no, please explain possible reasons why the indicator does not change over time**

*No answer required.*

**If yes, does the indicator value increase or decrease?**

**Both increase and decrease**

**Please explain the pattern emerging from the data.**

The carbon stocks in the soils for the data analysed varied with type of land cover, precipitation, type of rock mother and morphology of the terrain. In dry areas the indicator is more sensitive to the 2 first explicative variables.

**Is there a functional relationship between the indicator and DLDD?**

**Yes**

**If yes, please describe how DLDD affects the indicator**

**Explained before**

**If DLDD does not affect the indicator, please describe the other factor(s) responsible for changes in the indicator value.**

*No answer required.*

**Please upload a map showing the temporal and/or geographical pattern/trend in the indicator over time.**

The map should be provided as jpg file with a maximum file size of 2MB. To facilitate understanding of the map provided, please explain clearly what can be seen in the map (resolution of map, year of the map, legend and corresponding colours, borders).

**Attachments:**

- [corg solos 1995 20 cm.jpg](#), 309.42 kB
- [corg solos 2005 20 cm.jpg](#), 307.99 kB

**Please state the actions and policies that you currently have in place or any that will be implemented in the future to address the implications of the indicator trend or lack thereof for addressing DLDD in your country.**

**Actuins and policies in the new NAP 2012/2020 attached to this report**

Report on specific COP requests – iterative process on indicators

Decision 13/COP.9 (paragraphs 2, 3 and 4) and decision 17/COP.9 envisage an iterative process to refine the set of performance and impact indicators. As a tool to implement this iterative process, affected country Parties can provide here their suggestions and recommendations for improvement. Using a scale from 0 to 5, where 0 = (no, not at all) and 5 = (yes, very much), please rate the indicator. Please write any comments related to your assessment under the column “remarks”.

<b>Assessment Criteria (e-SMART)</b>	<b>Score</b>	<b>Remarks</b>
Relevant – Does the indicator provide information about changes in primary processes unambiguously related to DLDD and UNCCD implementation?	5	---
Relevant – Is the indicator relevant for DLDD national planning purposes, including monitoring of the National Action Programme (NAP)?	5	---
Relevant – Can policymakers easily understand the indicator?	5	---
Specific – Is the indicator based on well-understood and generally accepted conceptual models of the system to which it is applied so that changes in its value will have clear meaning regarding the process of concern?	5	---
Specific – Is the requested spatial scale (national vs. affected areas) of the indicator appropriate for its monitoring purposes?	5	---
Measurable – Are the definitions of the indicator and its constitutive elements clear and not ambiguous?	5	---
Measurable – Are the proposed methodologies for the measurement of this indicator sufficiently clear to ensure reliable data?	5	---
Time-bound – Is the indicator sensitive enough to detect important changes but not so sensitive that signals are masked by natural variability?	5	---
Time-bound – Can the indicator detect changes at the required temporal and spatial scales and are the up-scaling / cross-scaling rules clear?	5	---
Achievable – Are reliable data and monitoring systems available to assess trends and is data collection a relatively straightforward process?	3	---
Achievable – Is the frequency of data collection in line with the monitoring and reporting requirements of the UNCCD?	5	---
Economic – Is the indicator cost-effective? Is the cost of data collection affordable and worthwhile? (consider any required cost for personnel, capital but also, recurring costs)	2	---

## Strategic Objective 4

### Indicator SO-4-3

Strategic Objective 4

To mobilize resources to support implementation of the Convention through building effective partnerships between national and international actors

**Impact indicator SO-4-3 for expected impact 4.1** (Increased financial, technical and technological resources are made available to affected developing country Parties, and where appropriate Central and Eastern European countries, to implement the Convention)

Percentage change in the domestic financial commitment to the implementation of the Convention

Understanding of the indicator

It provides an indication of the trend in the supply of public finance for DLDD-related investments and other Convention-related activities by affected developing country Parties.

Data needed

- DLDD-related programmes and projects (co-)financed through domestic public budgets
- Contribution by domestic public sources to investments and other initiatives to advance SLM
- Convention-related financial commitments by affected developing country Parties

Data sources (indicative only)

- PRAIS (financial annexes)
- CRIC performance reviews of OO5 and analyses of financial flows
- Relevant country-level studies to inform the IFS process (to be used when data is not available in the PRAIS system, and/or for cross referencing and validity checks)
- Inventories of SLM funding opportunities and/or investments
- Relevant databases and publications of authoritative entities (to be used when data is not available in the PRAIS system, and/or for cross referencing and validity checks)

Check the glossary for

Integrated financing strategy; integrated investment framework

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### Nominal amount (USD) of financial commitments for Convention-related objectives made from domestic public budgets (i.e. national or sub-national)

Year	Nominal amount (USD)
2010	64489539
2011	129673656

---

### Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- **National budget of the National Commission to Combat Desertification; Budget applied to DLDD affected areas by National Rural Development Programme; National participation in DLDD national applied projects**

*No files attached.*

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### Indicator SO-4-6

Strategic Objective 4

To mobilize resources to support implementation of the Convention through building effective partnerships between national and international actors

**Impact indicator SO-4-6 for expected impact 4.2** (Enabling policy environments are improved for UNCCD

implementation at all levels)

Number and type of legal and regulatory frameworks, economic incentives or other mechanisms securing or facilitating the transfer of funds for the implementation of the Convention at all levels.

Understanding of the indicator

It provides a measure of the efforts made by Convention stakeholders to facilitate the implementation of the Convention.

Data needed

- Laws and regulations
- Economic and financial measures (e.g. fiscal rules, tax benefits, credit lines and borrowing rules, etc.)
- Cooperation frameworks (e.g. agreements, memoranda of understanding, contracts, etc.)
- Sectoral policies (e.g. trade, marketing, property rights, business development, etc.)
- Convention-specific mechanisms

Data sources (indicative only)

- Public records of Convention stakeholders
- Relevant databases and publications and other authoritative entities (to be used when data is not available in the PRAIS system, and/or for cross referencing and validity checks)
- PRAIS (CONS-O-6, CONS-O-14, CONS-O-18)

Check the glossary for  
Incentive

### Number of mechanisms in place in the country to facilitate the mobilization of resources for the implementation of the Convention, by type

Year	Laws and regulations	Economic and financial incentives	Cooperation frameworks	Sectoral policies
2010	2	1	3	1
2011	2	1	3	1

### Qualitative assessment

#### Description of mechanisms

Mechanism	Description
A - Laws and regulations	National Rural Development Programme; National Programme to Combate Desertification
B - Economic and financial incentives	Rural Development Programme
C - Cooperation frameworks	National Rural Network; DesertWatch Extension Project; "Modeling Ecosystem Structure and Functional Diversity as early-warning indicators of Desertification and Land-degradation from regional to local level" project
D - Sectoral policies	Rural Development Programme

#### Geographical level of application

	International	Regional	Subregional	National	Local
A				X	X
B				X	X

C	X		X	X	X
D				X	X

## Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- **Relevant documents attached; Others in Project Sheets**

### Attachments:

- [071100 PEN DR 0711 v eng.pdf](#), 3.96 MB
- [PAN UNCCD Pt eng.pdf](#), 1.4 MB

## Indicator SO-4-7

Strategic Objective 4

To mobilize resources to support implementation of the Convention through building effective partnerships between national and international actors

**Impact indicator SO-4-7 for expected impact 4.2** (Enabling policy environments are improved for UNCCD implementation at all levels)

Clear entrusting of institutional responsibilities for UNCCD implementation, at all levels

Understanding of the indicator

It provides an indication of the effectiveness of institutional arrangements for the implementation of the Convention with regard to the resource mobilization process

Data needed

- Evidence of institutional arrangements, instruments and mechanisms that facilitate resource mobilization, or the lack thereof
- Best practices in resource mobilization

Data sources (indicative only)

- Public records of Convention stakeholders
- Relevant databases and publications of authoritative entities
- PRAIS (Best Practices on finance and resource mobilization)

Check the glossary for

N.A.

## Institutional set up, responsibilities, and arrangements to facilitate the implementation of the Convention

Year	International level	Regional level	Subregional level	National level	Local level
2010	good	fair	good	very good	good
2011	good	fair	good	very good	good

## Qualitative assessment

### Description of institutional arrangements

Level	Description
A - International	The UNCCD

Level	Description
B - Regional	UNCCD Annex IV programme developments; European Union Group for Working Progress in Environmental International - Desertification; CPLP Programme to Combat Desertification on the CPLP
C - Subregional	Iberia Peninsula developments for a common working programme
D - National	National Programme to Combat Sedertification
E - Local	Regional Programmes to Combat Desertification (North, Central, Lisbon, Alentejo and Algarve Regions)

### Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- **Relevant documentation attached; See also Annex IV coordination meetings and UE WPIEI Desertification reports**

#### Attachments:

- [080310 TCP CPLP full version ing.pdf](#), 342.22 kB
- [110121 Conclusões Seminário Ibérico Combate à Desertificação Abandono Rural e Despovoamento - Intervenções Rainas.pdf](#), 227.15 kB
- [110721 PROPOSTA DE REVISÃO DO PANCD 2011 2020.pdf](#), 318.7 kB

# Performance Indicators

## 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 level, the indicator measures the performance of Convention-related communication strategies, in particular whether DLDD issues and/or DLDD synergies with climate change and biodiversity 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 audiences. The focus of the indicator is on information activities specifically dedicated to DLDD issues 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 the subregional, regional and global levels.

#### Data needed

- Information on events/media specifically addressing DLDD and/or DLDD synergies with climate change and biodiversity.
- Only events organized by major national DLDD stakeholders about which NFPs have been informed should be considered.
- Only the media products from the five most important national TV/radio channels and the five most relevant national newspapers should be considered.

#### Data sources (indicative only)

Attendance list of events (meetings, workshops, seminars), programme/project documents, major national media (TV/radio channels, newspapers), the Internet, organizers of events.

#### Check the glossary for

'NFP', 'Information events', 'Media products', 'National communication strategy', 'Participant'

#### Check the reporting manual for

'How can the number of information events and estimated number of participants in information events be determined?', 'How can the number of media products be determined?', 'How can the proportion of the population which is informed about DLDD and/or DLDD synergies with climate change and biodiversity be estimated?'

#### Overall target

By 2018, 30 per cent of the global population is informed about DLDD and/or 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
2010	53	6350
2011	27	1450

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

#### Number of media products made public

Year	Newspapers	Radio and TV
2010	50	8
2011	58	13

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## Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- **PT NAP website (<http://www.icnf.pt/florestas/pancd>): References about annual seminars and workshops promoted or with participation by National Commission to Combat Desertification representatives;**
- **Google consultation in media products by UNL - FCSH (Prof.<sup>a</sup> Maria José Roxo)**

*No files attached.*

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## National contribution to the target

On the basis of your best knowledge, estimate the proportion (%) of the population in your country which is informed about DLDD and/or DLDD synergies with climate change and biodiversity at the time of reporting?

### ***Estimated share of total country population***

71 %

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## Qualitative assessment

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

***Is there a national communication strategy addressing DLDD and/or DLDD synergies with climate change and biodiversity?***

Yes

***If yes, does the implementation of the national communication strategy complement the implementation of the UNCCD Comprehensive Communication Strategy?***

Yes

***If no, is your country implementing the UNCCD Comprehensive Communication Strategy?***

*No answer required.*

***Is your country implementing activities relating to the United Nations Decade for Deserts and the Fight Against Desertification (UNDDD)?***

Yes

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

Number of civil society organizations (CSOs) and science and technology institutions (STIs) participating in the Convention processes.

Understanding of the indicator

At the national level, the indicator measures the level of participation of CSOs and 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 the subregional, regional and global levels; additionally, the secretariat and the GM will report on the involvement of CSOs and STIs at the institutional level.

Data needed

A list of the organizations involved in the programmes/projects in the reporting country 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'

Check the reporting manual for

'Which CSOs involved in DLDD-related programmes/projects should be counted?'

Overall target

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

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### Number of CSOs/STIs involved in each programme/project in the country

In the PPSs you have specified the number of CSOs and the number of STIs involved in each programme/project in your country. 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
2010	45	31
2011	49	36

**Provide the names of these organizations.**

Name
CORANE - Associação de Desenvolvimento dos Concelhos da Raia Nordestina
APRODER - Associação para o Desenvolvimento Rural do Ribatejo
ADREPES - Associação para o Desenvolvimento Rural da Península de Setúbal
ADCMoura - Associação de Desenvolvimento do Concelho de Moura
ADRACES Associação para o Desenvolvimento da Raia Centro - Sul
Viver Serra - Associação para a Protecção e o Desenvolvimento das Serras do Barlavento Algarvio
Beira Douro - Associação de Desenvolvimento do Vale do Douro
ATBG - Associação Terras do Baixo Guadiana
Vicentina - Associação para o Desenvolvimento do Sudoeste
IN-LOCO - Associação de Desenvolvimento Local
Raia Histórica - Associação de Desenvolvimento do Nordeste da Beira
BURRANCO / AEPG - Associação para o Estudo e Protecção do Gado
PRÓ RAIÁ - Associação de Desenvolvimento Integrado da Raia Centro Norte
Douro Superior - Associação de Desenvolvimento
Terras Dentro - Associação para o Desenvolvimento Integrado
ADER-AL - Associação para o Desenvolvimento em Espaço Rural do Norte Alentejano
LEADERSOR - Associação para o desenvolvimento Rural Integrado do Sor
ODIANA - Associação para o Desenvolvimento do Baixo Guadiana
Minha Terra - Federação Portuguesa de Associações de Desenvolvimento Local
A PANTORRA - Associação Micológica

<b>Name</b>
A ALDEIA, ADL
NATURTEJO - Geopark
ATN - Associação Transumância e Natureza
CREDO - Centro de Recolha e de Estudos para o Desenvolvimento Ocupacional das Aldeias do Distrito de Castelo Branco
PALOMBAR - Associação de Proprietários de Pombais do Nordeste
AJAP - Associação dos Jovens Agricultores de Portugal
CAP - Confederação dos Agricultores de Portugal
CONFAGRI - Confederação Nacional das Cooperativas Agrícolas e do Crédito Agrícola de Portugal
FENAREG - Federação Nacional de Regantes de Portugal
ARCB - Associação de Regantes da Cova da Beira
ACR - Associação dos Agricultores do Ribatejo
AGROTEJO - União Agrícola do Norte do Vale do Tejo
ARVS - Associação de Regantes do Vale do Sorraia
FAABA - Federação das Associações de Agricultores do Baixo Alentejo
AACSBA - Associação de Agricultores do Concelho de S. Brás de Alportel
ARBI - Associação de Regantes de Idanha-a-Nova
AAM - Associação de Agricultores da Madeira
AJAMPS - Associação de Jovens Agricultores da Madeira e Porto Santo
AJASUL - Associação de Jovens Agricultores do Sul
FENAFLORESTA - Federação Nacional de Cooperativas de Produtores Florestais
FORESTIS - Associação Florestal de Portugal
UNAC - União da Floresta Mediterrânica
URZE - Associação Florestal da Encosta da Serra da Estrela
AFLOBEI - Associação de Produtores Florestais da Beira Interior
ACHAR - Associação de Agricultores da Charneca
AFLOMAÇÃO - Associação Florestal do Concelho de Mação
FORESTIS VR - Associação Florestal de Portugal Vila Real
AFLOPS - Associação de Produtores Florestais
APFMEG - Associação de Produtores Florestais da Margem Esquerda
ASPAFLOBAL - Associação de Produtores Florestais do Barlavento Algarvio
AIDA - Associação Interprofissional para o Desenvolvimento da Produção e Valorização da Alfarroba

<b>Name</b>
FLORASUL - Associação de Produtores da Floresta Alentejana
APFSC - Associação de Produtores Florestais da Serra do Caldeirão
CUMEADAS - Associação de Proprietários Florestais das Cumeadas do Baixo Guadiana
UNAF - União das Associações Florestais do Algarve
APF Coruche - Associação de Produtores Florestais de Coruche
AFLOSUL - Associação de Produtores Florestais do Sudoeste Algarvio
Plataforma das Organizações Portuguesas de Cooperação para o Desenvolvimento
CNCP - Confederação Nacional dos Caçadores Portugueses
FENCAÇA - Federação Portuguesa de Caça
FAC - Federação Nacional dos Caçadores
FC Algarve - Federação de Caçadores do Algarve
FC Beira Interior - Federação de Caçadores da Beira Interior
WWF Med - World Wildlife Found Mediterrâneo
LPN - Liga para a Protecção da Natureza
QUERCUS - Associação Nacional de Conservação da Natureza
GEOTA - Grupo de Estudos de Ordenamento do Território e Ambiente
CPADA - Confederação Portuguesa das Associações de Defesa do Ambiente
QUERCUS M - Associação Nacional de Conservação da Natureza Madeira
QUERCUS S - Associação Nacional de Conservação da Natureza Núcleo de Setúbal
ALMARGEM - Associação de Defesa do Património Cultural e Ambiental do Algarve
BARBUSANO - Clube de Ecologia
QUERCUS RE - Associação Nacional de Conservação da Natureza Núcleo do Ribatejo e Estremadura
LPN NCV - Liga para a Protecção da Natureza - Núcleo de Castro Verde
QUERCUS CB - Associação Nacional de Conservação da Natureza Núcleo Castelo Branco
ADPM - Associação de Defesa do Património e Ambiente de Mértola
SPECO - Sociedade Portuguesa de Ecologia
APAP - Associação Portuguesa de Arquitectura Paisagística
ANEFA - Associação Nacional de Empresas Florestais, Agrícolas e do Ambiente
SPCF - Sociedade Portuguesa de Ciências Florestais
FCT UNL - Faculdade de Ciências e Tecnologia
FCSH UNL - Faculdade de Ciências Sociais e Humanas
CMA - Centro de Matemática e Aplicações

<b>Name</b>
ESAS - Escola Superior Agrária de Santarém
DGPR UNL - Departamento de Geografia e Planeamento Regional
DAO UAveiro - Departamento de Ambiente e Ordenamento
IDL UL - Instituto Dom Luiz
UÉvora - Universidade de Évora
IPBC - Instituto Politécnico de Castelo Branco
UAveiro - Universidade de Aveiro
UBI - Universidade da Beira Interior
UMA - Universidade da Madeira
EPAC - Escola Profissional de Alter do Chão
CERENA IST - Centro de Recursos Naturais e Ambiente
IPG - Instituto Politécnico da Guarda
ISA - Instituto Superior de Agronomia
ISCTE UL - Instituto Superior de Ciências do Trabalho e da Empresa
e-GEO UNL - Centro de Estudos de Geografia e Planeamento Regional
FCSH - Faculdade de Ciências Sociais e Humanas
CBE FCUL - Centro de Biologia Ambiental
CIMO IPB - Centro de Investigação de Montanha
UAlgarve - Universidade do Algarve
CCVF - Centro de Ciência Viva Floresta
IST - Instituto Superior Técnico (Lisboa)
ESAC - Escola Superior Agrária de Coimbra
ESACB - Escola Superior Agrária de Castelo Branco
CEER - Centro de Engenharia dos Biosistemas
ESAB - Escola Superior Agrária de Bragança
UTAD - Universidade de Trás-os-Montes e Alto Douro
DER UÉvora - Departamento de Engenharia Rural
FL UP - Faculdade de Letras
UE - Universidade de Évora
DG UE - Departamento de Geociências
CESAM UA - Centro de Estudos de Ambiente e Mar
DEF ISA - Departamento de Engenharia Florestal

Name
INRB - Instituto Nacional de Recursos Biológicos
UIARN INRB - Unidade de Investigação de Ambiente e Recursos Naturais
UC - Universidade de Coimbra

### 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

***If yes, provide a short description of actions taken at the national level to promote participation by CSOs and STIs in the Convention processes***

**Promotion of National and Local Commissions of Science and Technology to Combat Desertification in the new National Action Programme; Participation of CSOs and STIs in the National and LOoals Commissions to Combat Desertification; Promotion of shared projects between CSOs and STIs at international, national and local level; CNCCD support to the projects promoted by CSOs and/or STIs**

### Qualitative assessment

Specify the reasons for the increasing and/or decreasing trend of the participation of CSOs and STIs to DLDD-related programmes/projects.

#### ***Reasons for increasing***

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Increased networking and collaboration opportunities	5
Increased access to information and to national and/or international financing opportunities	5
Increased willingness of the government in working with CSOs	4
Increased interest of donors in working with CSOs	2
Strengthened organizational, project management and fund-raising capacity of CSOs	3
Increased funding opportunities requiring partnership with the STIs	4
Strengthened organizational, project management and fund-raising capacity of the STIs	3
Other	---

#### ***Other (specify)***

*No answer provided.*

#### ***Reasons for decreasing for CSOs***

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Costly participatory processes	5
Low organizational, fund-raising and project management capacity of CSOs	4
Government policies and/or the legal environment do not foster the engagement of CSOs	3
Diminishing funding	4

Reason	Level of importance
Other	---

**Other (specify)**

*No answer provided.*

**Reasons for decreasing for STIs**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
DLDD topics are not prioritized by national STIs	4
Low organizational, fund-raising and project management capacity of STIs	4
Decreased networking opportunities at national and international level	3
Diminishing funding	4
Other	---

**Other (specify)**

*No answer provided.*

**Performance indicator CONS-O-4 for Outcome 1.3**

Number and type of DLDD-related initiatives of civil society organizations (CSOs) and science and technology institutions (STIs) in the field of education.

**Understanding of the indicator**

At the national level, the indicator measures the number of DLDD-related initiatives undertaken by CSOs and STIs in the education sector. 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. 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 the subregional, regional and global levels.

**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; and Internet resources made available by CSOs and STIs.
- Only initiatives in the field of education taken in the country and 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’, Education initiatives’

**Check the reporting manual for**

‘Which CSOs involved in DLDD-related education initiatives should be counted?’

**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 by CSOs/STIs**

Year	Number of DLDD-related initiatives undertaken by CSOs	Number of DLDD-related initiatives undertaken by STIs
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Year	Number of DLDD-related initiatives undertaken by CSOs	Number of DLDD-related initiatives undertaken by STIs
2010	10	7
2011	11	11

## Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- **PT NAP website (<http://www.icnf.pt/florestas/pancd>):** References about annual seminars and workshops promoted by CSOs and STIs organisations; Google consultation in media products.

*No files attached.*

## 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**

***If yes, provide a short description of actions taken at the national level to increase the number of DLDD-related initiatives of CSOs and STIs in the field of education***

**Promotion of National and Local Commissions of Science and Technology to Combat Desertification in the new National Action Programme; Participation of CSOs and STIs in the National and Local Commissions to Combat Desertification; Promotion of shared educational projects between CSOs and STIs at international, national and local level; CNCCD support to the educational projects promoted by CSOs and/or STIs**

## Qualitative assessment

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

### ***Reasons for increasing***

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Increased access to funding	2
Increased awareness of DLDD-related problems and of the need for action	3
Increased knowledge of DLDD-related topics and enhanced skills of trainers/teachers	4
Government policies are more supportive of education initiatives	1
International donors are more supportive of education-focussed initiatives.	1
Other	---

### ***Other (specify)***

*No answer provided.*

### ***Reasons for decreasing for CSOs***

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
--------	---------------------

Reason	Level of importance
Lack of financial resources	4
Insufficient awareness and knowledge by national CSOs of DLDD-related issues	3
Limited capillary presence of national CSOs at the grass-root level	2
Other	---

**Other (specify)**

*No answer provided.*

**Reasons for decreasing for STIs**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Lack of financial resources	4
National STIs are more focussed on research activities than on education and training	3
Other	---

**Other (specify)**

*No answer provided.*

## 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', 'integrated investment framework', 'baseline', 'NAP formulation', 'NAP adoption', 'NAP alignment', 'Formulation of an aligned NAP'

#### Overall target

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



## NAP Adoption and Revision

**Had your country already adopted a NAP prior to The Strategy, i.e. before 31.12.2007?**

Yes

**If your country had adopted a NAP prior to The Strategy, i.e. before 31.12.2007, specify the date of its approval.**

*No answer provided.*

**If your country had adopted a NAP prior to The Strategy, has it revised the NAP in alignment with The Strategy, i.e. after 1.1.2008?**

No

**If your country has revised the NAP in alignment with The Strategy, i.e. after 1.1.2008, specify the date of its approval.**

*No answer required.*

**If your country has not revised the NAP in alignment with The Strategy, specify why the process was not initiated.**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Not a priority for the government	0
Lack of capacities	0
Lack of financial resources	0
Understaffing	0
Lack of time	0
Poor internal coordination among relevant ministries	0
Other	5

**Other (specify)**

Portugal have already finished a process for alignment of the NAP with the Strategy that was sublimated for a first phase of environmental evaluation process under national regulations; To finalize this process it's necessary wait for the global reorganization of the national and regional public institutions connected to the NAP and their National and Regional Commissions for coordination

**If your country had no NAP prior to The Strategy, has it formulated an aligned NAP after The Strategy's adoption, i.e. after 1.1 2008?**

*No answer required.*

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

*No answer required.*

**If your country has some specific issues with regard to the characteristics of the NAP and/or the status of its implementation, particularly in how they relate to its alignment with The Strategy, describe them briefly.**

*No answer provided.*

**If your country did not have a NAP by the end of the reporting period, specify why the process was not initiated.**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

*No answer required.*

**Other (specify)**

No answer required.

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### For countries having a NAP aligned to The Strategy

*Is your country's NAP supported by biophysical and socio-economic baseline information?*

Yes

*Does your country's NAP assess DLDD drivers?*

Yes

*Does your country's NAP assess the barriers to sustainable land management?*

Yes

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

Yes

*Has your country's NAP been included in an integrated investment framework?*

No

*Has your country's NAP 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 your country refer to the guidelines on the alignment of action programmes with The Strategy as proposed in ICCD/COP(9)/2/Add.1 while revising the NAP to be in alignment with The Strategy or while formulating an aligned NAP?*

Yes

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### Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- <http://www.icnf.pt/florestas/pancd/programa-pancd>

No files attached.

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### National contribution to the target

*If your country did not have a NAP aligned to The Strategy by the end of the reporting period, when do you plan to have it completed?*

2012–2013

*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?*

---

### Qualitative assessment

*Has the revision of the NAP to be in alignment with The Strategy or the formulation of an aligned NAP been supported by external assistance?*

No

*If yes, did you receive assistance from one or more of the following institutions?*

No answer required.

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

No answer required.

**Identify the major difficulties experienced in the process of revising the NAP to be in alignment with The Strategy or in formulating an aligned NAP.**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Not a priority for the government	0
Poor availability of biophysical and socio-economic baseline information	0
Existing investment frameworks are not fully compatible with the NAP	3
Streamlining the NAP into existing plans and policies is too time-consuming	3
Other	---

**Other (specify)**

*No answer provided.*

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**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

At the national level, the indicator measures the existence of synergistic processes through the number of instruments (i.e. joint planning/programming and/or operational mechanisms) in place 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 levels.

Data needed

- Planning/programming documents and legislative/regulatory documents.
- Information on operational mechanisms explicitly aimed at achieving joint implementation, synergies and convergence, as well as at introducing or strengthening reinforcing measures among the Rio Conventions.

Data sources (indicative only)

Relevant national ministries.

Check the glossary for

'Joint planning/programming initiatives', 'Operational mechanisms for joint implementation or mutual reinforcement'

Check the reporting manual for

'Which synergistic instruments should be included?', 'Indicative list of activities by Parties to promote synergies among the Rio Conventions'

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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**Was your country implementing joint planning/programming initiatives for the three Rio Conventions in the reporting period?**

**Yes**

***If yes, specify the type of joint initiative(s)***

- **Evaluation of national plans and identification of gaps in synergies**
- **Identification of national sectors and policies that could benefit from synergies and cooperation**
- **Review of existing national plans and policies to enhance cooperation**

- Enhancement of the institutional and scientific capacities and awareness of relevant stakeholders
- Other

*Other (specify)*

National focal point shared positions to the different COPs and other institutional meetings of the 3 Rio Conventions; UNCCD NFP participation in the national system and processes for accounting to UNFCCC and Kyoto Protocol; Joint seminars at national and local level of the 3 Conventions or bilaterals; Synergetic projects in DLDD affected areas; Promoting of ecosystem services approaches in a several projects (>30) in all the country in the last years

**Did operational mechanisms for joint implementation or mutual reinforcement exist in your country during the reporting period?**

Yes

*If yes, specify the type of mechanism(s)*

- Regular meetings between focal points and focal point teams
- Establishment of national collaborative processes on synergies in reporting under the Rio Conventions
- Other

*Other (specify)*

NFPs shared positions to the different COPs and other meetings of 3 Rio Conventions; UNCCD NFP participation in the national system and processes for accounting to UNFCCC and Kyoto Protocol; Joint seminars at national and local level of the 3 Conventions or bilaterals; Synergetic projects in DLDD affected areas; Promoting of ecosystem services approaches in a several projects (>30) in all the country in the last years; CCD and CBD conventions are now under the same technical direction in Portugal

**Sources of information**

List the synergistic instruments referred to above.

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- <http://www.icnf.pt/florestas/pancd> and portuguese national submissions for accounting under UNFCCC

*No files attached.*

**National contribution to the target**

*If your country was not implementing joint planning/programming or did not have operational mechanisms in place by the end of the last reporting period, when do you plan to have synergetic instruments in place?*

*No answer provided.*

**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 the institutions of which Convention?*

- UNCCD
- CBD
- UNFCCC

*Identify the major difficulties experienced in establishing synergistic planning/programming or mechanisms*

**for joint implementation.**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Not a priority for the government	2
Lack of capacities	3
Lack of financial resources	3
Understaffing	0
Lack of time	4
Poor internal coordination among relevant ministries	2
Other	---

**Other (specify)**

*No answer provided.*

---

### **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 dedicated to DLDD or may partially cover it. 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 levels.

##### Data needed

- Information on monitoring systems established within the national ministries or other bodies/institutions
- Programme/project documents and interim or final reports

##### Data sources (indicative only)

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

##### Check the glossary for

'monitoring system', 'monitoring system specifically dedicated to DLDD', 'monitoring system partially covering DLDD'

##### Check the reporting manual for

'Can a monitoring system that is not an environmental monitoring system, but which accounts for the socio-economic aspects of DLDD, be considered a DLDD monitoring system?', 'Can a meteorological monitoring system be considered a DLDD monitoring system?'

##### 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.

---

#### **Is a monitoring system specifically dedicated to 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 a monitoring system partially covering DLDD established at the national level?**

No answer required.

**List any monitoring system available at the sub-national level that can contribute to the UNCCD reporting.**

**List the main features of the monitoring system available at the national level, in particular those that can contribute to UNCCD reporting.**

- See <http://www.icnf.pt/florestas/pancd/ond>

---

## Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- <http://www.icnf.pt/florestas/pancd/ond>

No files attached.

---

## National contribution to the target

**If your country did not have a national monitoring system specifically dedicated to DLDD or partially covering DLDD in place by the end of the reporting period, do you plan to initiate one?**

No answer provided.

**If yes, when?**

No answer required.

---

## Qualitative assessment

**For those countries not having a national monitoring system specifically dedicated to DLDD or partially covering DLDD, identify the major difficulties experienced in the establishment process.**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
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 harmonized	---
Other	---

**Other (specify)**

No answer provided.

**For those countries having a national monitoring system specifically dedicated to DLDD or partially covering DLDD, how is the system maintained?**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
By means of national resources	4
By means of external support	3
No maintenance is possible due to limited professional capacities	1
No maintenance is possible due to limited financial resources	2
Other	---

**Other (specify)**

*No answer provided.*

---

**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

At the national level, the indicator measures the use of biophysical and socio-economic information 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?**

Yes

---

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

**2012**

6

**2016**

---

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

Yes

---

### Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- See upload document

### Attachments:

- [120316 Pilot ConclusionReport.pdf](#), 755.22 kB
- 

### National contribution to the target

***If in 2012 your country has not reported on some or all of the impact indicators for the UNCCD, do you plan to do so in 2016?***

Yes

***If in 2012 your country has not complied with the reporting guidelines, i.e. using the common baselines and methodologies defined by the CST, do you plan to do so in 2016?***

Yes

---

### 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 with climate change and biodiversity. 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 formulation/revision of the NAP

#### Data sources (indicative only)

UNCCD NFP

#### Check the glossary for

'NAP', 'NAP adoption', 'NAP alignment', 'NAP formulation', 'formulation of an aligned NAP', 'NFP', 'driver', 'drought', 'drought preparedness, including mitigation'

***As this indicator is meant to contribute to the country's self-assessment of its aligned NAP, countries not having a NAP or not having revised their NAP in alignment with The Strategy do NOT report on this indicator.***

#### Overall target

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

#### Sources of information

UNCCD NAP formulated taking account of, or revised in alignment with, The Strategy.

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## Assessment of the 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*

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Type of knowledge	Level of importance
Scientific literature	4
Expert knowledge	5
Traditional knowledge	2

*If yes, specify upon which type of knowledge it is based*

*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.*

- del Barrio, G., Puigdefabregas, J., Sanjuan, M. E., Stellmes, M. & Ruiz, A. Assessment and monitoring of land condition in the Iberian Peninsula, 1989-2000. Remote Sensing of Environment 114, 1817-1832, doi:10.1016/j.rse.2010.03.009 (2010).
- Orr, B. J. Scientific review of the UNCCD provisionally accepted set of impact indicators to measure the implementation of strategic objectives 1, 2 and 3. White Paper - Version 1., 145 (Office of Arid Lands Studies, University of Arizona, Tucson, 2011).
- DesertWatch Extension Portuguese Partners (2011) – DESERTWATCH Extension to Portuguese Partners – technical Specification V2, Relatório / ESA, Roma.
- ENNE, Giuseppe & Claudio ZUCCA (2000) Desertification indicators for the European Mediterranean Region. State of the art and possible methodological approaches, ed. ANPA, Roma.
- GENÉSIO, Lorenzo (2003) Aproximações à cartografia do Índice de Aridez para a Região Mediterrânica, com. apresentada ao Workshop DISMED “Necessidades dos Decisores e Cartografia das Dinâmicas da Desertificação, em 11 a 14 de Junho, Sesimbra.
- KOSMAS, C., A FERRARA, H. BRIASSOULI & I. IMESON (1999) – “Methodology for mapping ESAs to desertification”, in The MEDALUS project. Mediterranean Desertification and land use - Manual on key indicators of desertification and mapping environmentally sensitive areas to desertification: 31- 47, Ed. Eu
- ROSÁRIO, Lúcio do (2010) – Referências para a avaliação do sequestro de carbono orgânico nos solos portugueses, com base na Rede ICP Forest, Bio solo e LQARS, Relatório AFN / SNIERPA inédito, Lisboa.
- ROSÁRIO, Lúcio do (2004) Indicadores de Desertificação para Portugal Continental, Ed. DGRF, Lisboa.
- ROXO, M. J., J. M. MOURÃO, L. RODRIGUES & P. CASIMIRO (1999) “The Alentejo region (Mertola municipality, Portugal”, in The MEDALUS project. Mediterranean Desertification and land use - Manual on key indicators of desertification and mapping environmentally sensitive areas to desertification: 80- 84
- RUBIO & BROCHET (1998) “Desertification indicators as a diagnosis criteria for desertification risk assessment in Europe”, in Journal of Arid Environments, 39(2): 113-120.
- SANJUAN, Maria E., Gabriel del BARRIO, Alberto RUIZ & Juan PUIGDEFABREGAS (2011) – Assessment and monitoring of land condition in Portugal, 2000 – 2010, Relatório EEZA / DesertWatch Extension, Almeria.
- SOARES, Amílcar e Maria João PEREIRA (2011) – Validation of DW-E indicators for the Regional Area of Portugal, Relatório inédito DesertWatch Ext. / ESA.

No files attached.

*In your NAP, is the analysis of the interaction between DLDD and climate change or biodiversity knowledge-*

based?

Yes

**If yes, specify upon which type of knowledge it is based.**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Type of knowledge	Level of importance
Scientific literature	3
Expert knowledge	5
Traditional knowledge	4

**If yes, specify upon which type of knowledge it is based.**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

**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.**

- ROSÁRIO, Lúcio do (2010) – Referências para a avaliação do sequestro de carbono orgânico nos solos portugueses, com base na Rede ICP Forest, Bio soil e LQARS, Relatório AFN / SNIERPA inédito, Lisboa.
- ROSÁRIO, Lúcio do (2004) Indicadores de Desertificação para Portugal Continental, Ed. DGRF, Lisboa.
- SANJUAN, Maria E., Gabriel del BARRIO, Alberto RUIZ & Juan PUIGDEFABREGAS (2011) – Assessment and monitoring of land condition in Portugal, 2000 – 2010, Relatório EEZA / DesertWatch Extension, Almeria.

No files attached.

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

Yes

**If drought policy and drought preparedness, including mitigation, are not analyzed and/or reflected in some of the actions outlined in the NAP, when do you plan to do so?**

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, when do you plan to do so?**

2012–2013

---

## Qualitative assessment

**If your NAP has not been developed taking into account relevant scientific and/or traditional knowledge, identify the reasons.**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Relevant scientific literature is not available	1
Relevant traditional or expert knowledge is not available	1
Lack of financial resources to mobilise the necessary knowledge	1

Reason	Level of importance
Poor coordination among the relevant ministries prevented an internal pooling of knowledge/expertise	0
Relevant ministries could not contribute due to lack of time	1
Relevant ministries could not contribute due to lack of staff	2
Other	---

**Other (specify)**

*No answer provided.*

**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

At the national level, the indicator measures the presence 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 levels.

Data needed

- Information from websites.
- Only DLDD-relevant knowledge-sharing systems and networks shall be considered.

Data sources (indicative only)

Relevant organizations and ministries hosting knowledge-sharing systems and networks within their website

Check the glossary for

'knowledge-sharing system', 'PRAIS'

Check the reporting manual for

'How can you provide the number of users in a knowledge-sharing system?'

Overall target

By 2010 the Convention website has been restructured and includes a thematic database on knowledge-sharing systems as part of the PRAIS.

**Knowledge-sharing systems**

**List any DLDD-relevant 'knowledge-sharing system' in your country you are aware of, providing an Internet link and estimated number of users per year.**

*Item 1*

**Name of the system**

OND - Observatório Nacional de Desertificação

**Internet link**

<http://www.icnf.pt/florestas/pancd/ond>

**Estimated number of users per year**

10000

*Item 2*

**Name of the system**

LUCINDA - Land Care in Desertification Affected Areas - From Science Towards Application  
**Internet link**  
<http://geografia.fcsh.unl.pt/lucinda/>  
**Estimated number of users per year**  
 10000

*Item 3*  
**Name of the system**  
 OTALEX - Observatório Territorial e Ambiental Alentejo - Extremadura - Centro  
**Internet link**  
<http://www.dip-badajoz.es/diputacion/delegaciones/dlocal/index.php?id=planifica&menu=planifica8>  
**Estimated number of users per year**  
 ---

**List any DLDD-relevant ‘knowledge-sharing system’ in your country you are aware of, providing an Internet link and estimated number of users per year.**

Add as many rows as necessary.

## 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 DLDD-related 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 monitoring systems, accessing new financing mechanisms). This information will be complemented by the reporting of other reporting entities on capacity-building initiatives at the subregional, regional and global levels.

Data needed

- Information on DLDD-related capacity-building initiatives; only programmes/projects mentioned in the PPSs that have DLDD-related capacity-building as a major objective are to be considered.

Data sources (indicative only)

- PPSs submitted to UNCCD as part of the reporting exercise  
 - Programme/project documents and 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

‘capacity-building’, ‘capacity development’, ‘capacity-building initiative’, ‘NCSA’, ‘PPS’

Check the reporting manual for

‘What can be considered as a programme or project that has DLDD-related capacity-building as a major objective?’

Overall target

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

### Number of DLDD-related capacity-building initiatives implemented

Year	NCSA-generated	Other initiatives
2010	6	2

Year	NCSA-generated	Other initiatives
2011	2	3

*Provide relevant information on the size, scope, effectiveness and status of the initiatives reported.*

8 Initiatives under the subject “Combat Desertification Success Stories in Portugal”, with the participation of more than a thousand of personalities coming from more than one thousand organisations (see: <http://www.icnf.pt/florestas/pancd/eventos>.

Other initiatives under projects PRACTCICE ([www.ceam.es/practice](http://www.ceam.es/practice)) and FOR CLIMADAPT ([www.forclimadapt.eu](http://www.forclimadapt.eu))

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

The process is still ongoing

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

*No answer required.*

*Other (specify)*

*No answer required.*

*If yes, has your country assessed the necessary resources for addressing capacity-building needs?*

*No answer required.*

*If yes, are these resource requirements included in an investment framework?*

*No answer required.*

### Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- **General:** [www.icnf.pt/florestas/pancd](http://www.icnf.pt/florestas/pancd); **PRACTCICE:** [www.ceam.es/practice](http://www.ceam.es/practice); **FOR CLIMADAPT:** [www.forclimadapt.eu](http://www.forclimadapt.eu)

*No files attached.*

### 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

*Has your country received assistance from one or more of the following institutions to build capacities to combat DLDD?*

- **Multilateral (United Nations 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

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 IFSs, 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 IFSs promoted by diverse international institutions. This information will be complemented by the reporting of other reporting entities on the establishment of IIFs at national, subregional and regional levels.

Data needed

- Investment framework documents.
- Only investment frameworks prepared along the guidelines devised within IFSs shall be considered.

Data sources (indicative only)

Relevant national ministries

Check the glossary for

'IFS', 'NAP', 'leveraging', 'IIF'

Overall target

By 2014, at least 50 per cent of affected country Parties, subregional and regional entities have developed IIFs.

---

## **Had your country developed an IIF by the end of the reporting period?**

**No**

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

*No answer required.*

***Is your country's IIF based on the NAP?***

*No answer required.*

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

*No answer required.*

***Other (specify)***

*No answer required.*

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

*No answer required.*

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

*No answer required.*

***If your country has an IIF based on the NAP, does this framework allow for the leveraging of national, bilateral and multilateral resources for combating DLDD?***

*No answer required.*

***Did your country receive assistance from the GM in exploring non-traditional and innovative channels of financial resources?***

*No answer provided.*

***Short overview of the progress in implementing the IIF***

Provide a short overview of the progress in implementing the IIF in your country, in particular as it relates to its functionality and efficiency in leveraging the funding necessary for implementing the Convention.

*No answer provided.*

---

## **Sources of information**

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- **Not applicable**

*No files attached.*

---

## National contribution to the target

***If your country had not developed an IIF by the end of the reporting period, do you plan to do it?***

**No**

***If yes, when?***

*No answer required.*

---

## Qualitative assessment

***Identify the major difficulties experienced in developing an IIF.***

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Financial constraints	0
Human resources constraints	0
Lack of coordination among relevant ministries and unclear attribution of responsibilities	0
Lack of coordination among those providing support	0
National bilateral and multilateral resources are too diverse; cannot be realistically coordinated under one umbrella.	0
Other	5

***Other (specify)***

**The financial support to the Portuguese NAP is under the global national financial programme**

---

## 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.**

Refer your assessment to the following biennium only:

- In 2010, biennium 2008–2009

- In 2012, biennium 2010–2011

Overall target

No target has been set for this indicator.

---

### **Bilateral assistance received**

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

**Question marked as 'Skipped'.**

#### ***Adequacy of bilateral assistance***

*No answer provided.*

#### ***Timeliness of bilateral assistance***

*No answer provided.*

#### ***Predictability of bilateral assistance***

*No answer provided.*

#### ***Provide narrative justification on your above rating***

*No answer provided.*

#### ***Additional information on any other impacting aspects***

If relevant, provide additional information on whether there are any other aspects beyond adequacy, timeliness and predictability of financial support made available by developed country Parties to combat DLDD which impact proper planning and effective implementation of the Convention in your country.

*No answer provided.*

---

### **Qualitative assessment**

**Question marked as 'Skipped'.**

#### ***Did you receive assistance in raising resources from bilateral donors?***

*No answer provided.*

#### ***If yes, from whom?***

*No answer required.*

#### ***Other (specify)***

*No answer required.*

#### ***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**

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

Understanding of the indicator

At the national level, the indicator measures the capacity of fund-raising 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 levels.

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.

Sources of information

PPSs and SFAs

---

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

Biennium	Submitted (pipeline)	Ongoing
2010–2011	12	3

---

### 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.

Biennium	Currency	Total amount
2010–2011	EUR	340000

---

### National contribution to the target

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

No

***If no, does your country plan to increase its efforts in presenting project proposals to international financial institutions, facilities and funds?***

Yes

***What percentage of financing used for the implementation of DLDD-related programmes and projects comes from national sources, and what percentage from international sources?***

Source	%
National sources	50
International sources	50

---

### Qualitative assessment

Identify the reasons for the increasing or decreasing trend of project proposals successfully submitted to international financial institutions, facilities and funds.

#### ***Reasons for increasing***

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Easier and more transparent application procedures	5
Increased capacities of national stakeholders to prepare applications	4
Major natural hazards occurred at the national level considerably increased the level of resources made available by the international community	3
Access to funding is increasingly facilitated by third parties such as the private sector	4
Existence of a financing strategy (IFS or others)	1
Other	---

**Other (specify)**

*No answer provided.*

**Reasons for decreasing**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Financing opportunities are not publicized enough, lack of access to necessary information	1
Complicated application procedures, the level of complexity being worsened by the different requirements of the various donors	4
Limited financial resources are made available for DLDD-related programmes/projects, and lack of DLDD-specific allocations within donors' portfolio.	5
Other	---

**Other (specify)**

*No answer provided.*

**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. At the national level, the indicator will inform to what extent an enabling environment for technology transfer has been created 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 levels.

**Data needed**

- Budgets of relevant programmes and projects
- Information on policy/regulatory, financial and fiscal incentives. Incentives facilitating access to technology are those established and implemented at the national level, and not necessarily only 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

'technology transfer', 'technical support', 'incentive', 'PPS'

Check the reporting manual for

'How to disaggregate the amounts by year?', 'How to measure the effectiveness of technology transfer initiatives?'

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 access to material and to knowledge aid (technology transfer)

Year	Currency	Amount
2010	---	---
2011	---	---

*Estimate of amounts allocated to facilitate access to material and to knowledge aid (technology transfer)*

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

Yes

*If yes, specify which types 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.)

*Provide a short overview of specific aspects and the nature of technology transfer in your country, in particular in relation to those aspects where there is a need to increase the level of technology transfer.*

Subsidies for rural areas projects and research & development support by European Union and National Programmes; Foreign investment facilities in rural areas; VAT exemption to some rural products (forest and others) that they are directly sold from the producers to the final consumers; See also the Portuguese DNC

---

#### Sources of information

Question marked as 'Skipped'.

Specify the sources used to extract the information provided above. You may also upload relevant documents.

*No answer provided.*

*No files attached.*

---

#### 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?**  
2014–2015

### Qualitative assessment

**If existing incentives do not prove to be effective, identify possible reasons.**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Policy or regulatory incentives are not enforced	4
There are not enough resources to apply financial or fiscal incentives	4
The national financial and credit systems (banks, credit agencies, etc) are not supportive	5
Other	---

**Other (specify)**

*No answer provided.*

**Identify the reasons for the increasing trend of financial resources allocated through DLDD-related programmes and projects to facilitate access to technology.**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Access facilitated by the spreading of IT	3
More appropriate technologies available	4
Appropriateness of government incentives	4
Other	---

**Other (specify)**

*No answer provided.*

**Identify the reasons for decreasing trend of financial resources allocated through DLDD-related programmes and projects to facilitate access to technology.**

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Technology sustainability is poor; technologies do not represent viable investments	4
Lack of fixed infrastructure for accessing technologies (those created on an ad hoc basis disappear once the support ends)	5
Lack of capacities for operation and maintenance of technologies	3
Lack of enabling policy and regulatory environments	4
Other	---

**Other (specify)**

*No answer provided.*

## 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 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:

- a. Identification, i.e. data required to identify the reporting entity, the funding source and the activity financed;
- b. 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 of performance indicators for the review of implementation of The Strategy and Best Practices, common to all reporting entities and contained in a separate document (ICCD/CRIC(9)/13).

**None delivered.**

## Programme and Project Sheets

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 United Nations Convention on Biological Diversity, UNCBD – and the United Nations 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.

### Programme/Project #1 — ESA DesertWatch Extension Project

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#### Reporting entity(ies)

Enter the full name and acronym of the reporting entity(ies)

- **European Space Agency**
- **Brazil - CCD Focal Point - Ministry of Environment-Ministério do Meio Ambiente**
- **Mozambique - CCD Focal Point - Ministry for Coordination of Environmental Affairs**
- **Portugal - CCD Focal Point - Ministry for Agriculture, Rural Development and Fisheries**

#### *Other*

*No answer provided.*

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#### Identification code

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

**DW Ext**

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#### Title

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

**ESA DesertWatch Extension Project**

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

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

**Cooperating Institution**

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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 and 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.

- **Italy - ACS, Advanced Computer Systems**
  - **Portugal - Critical Software**
  - **Portugal - Instituto Superior Técnico**
  - **Portugal - Instituto Geográfico Português**
  - **Portugal - Deimos Engenharia**
  - **Italy - NRD, Nucleo Ricerca Desertificazione**
  - **Spain - EEZA, Estación Experimental de Zonas Áridas de Almería**
  - **Brazil - EMBRAPA**
  - **Mozambique - Universidade Eduardo Mondlane**
- 

### **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

- **Mozambique**
  - **Brazil**
  - **Portugal**
- 

### **Target area size/administrative unit**

#### **Area Size**

Indicate the total area expressed in number of hectares

*No answer provided.*

#### **Administrative Unit**

Indicate the administrative unit targeted in the project area, if known, by the Programme/Project.

**Portugal Continental, Mozambique and Semiárido in Brazil**

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### **Target Group**

#### **Beneficiaries**

Question marked as 'Skipped'.

Enter the total number of people benefitting from the Programme/Project, if known.

*No answer provided.*

---

### **Start date**

Indicate the date at which the Programme/Project started or is due to start, if known.

*No answer provided.*

---

### **Completion date**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known.

*No answer provided.*

---

### **Status**

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

**Completed**

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

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

*Item 1*

**Source**

European Space Agency

**Source (other)**

---

**Currency**

EUR

**Amount**

900000

*Item 2*

**Source**

Portugal - CCD Focal Point - Ministry for Agriculture, Rural Development and Fisheries

**Source (other)**

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**Currency**

EUR

**Amount**

250000

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### **United Nations 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***

**1**

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### **Strategic objectives**

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



- 2
  - 3
  - 4
- 

### Operational objectives

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

- 3
  - 4
  - 5
- 

### Sector(s) of intervention

Indicate the sector(s) of intervention as specified in the related documentation, choosing from the list of purpose codes provided in the quick reference guide (ICCD/CRIC(9)/INF.11). The OECD list of purpose codes 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).

- 13010 Population policy and administrative management
  - 15110 Public sector policy and administrative management
  - 16062 Statistical capacity building
  - 22010 Communications policy and administrative management
  - 25010 Business support services and institutions
  - 32182 Technological research and development
  - 410 General environmental protection
- 

### Programme/Project Components

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#### Relevant Activity Code(s) (RACs)

Indicate all RACs that may apply to the Programme/Project (refer to the RACs guidance note for more information, examples and instructions).

- 1 Monitoring and Research
  - 2 Capacity Development and Planning
- 

#### Expected or achieved results

Provide information on the results achieved or expected from the implementation of the Programme/Project.

- **The specific objective of the DW-E project was to develop an operational information system (DW-E IS) based on EO technology and able to support national and regional authorities of all UNCCD Parties, both in reporting commonly to the Convention and in assessing and monitoring land degradation and its trends over time. The DW-E Information System will be user-tailored software, which will implement a methodology for mapping and monitoring desertification and land degradation phenomena. Another specific objective of the project is to develop an integrated methodology, which may be commonly accepted, even if with minor adjustments, by all UNCCD parties.**
- 

#### Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- **www.desertwatch.info**

#### Attachments:

## **Programme/Project #2 — Modeling Ecosystem Structure and Functional Diversity as early-warning indicators of Desertification and Land-degradation - from regional to local level**

---

### **Reporting entity(ies)**

Enter the full name and acronym of the reporting entity(ies)

*No answer provided.*

### **Other**

- **Fundação da Faculdade de Ciências (FFC/FC/UL)**
  - **Autoridade Florestal Nacional (AFN)**
  - **Instituto Superior Técnico (IST/UTL)**
  - **Centro de Biologia Ambiental (CBA/FC/UL)**
  - **Centro de Recursos Naturais e Ambiente - Instituto Superior Técnico (CERENA/IST)**
  - **Faculdade de Ciências da Universidade de Lisboa (FC/UL)**
- 

### **Identification code**

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

**FCT PTDC/AAC-CLI/104913/2008**

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### **Title**

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

**Modeling Ecosystem Structure and Functional Diversity as early-warning indicators of Desertification and Land-degradation - from regional to local level**

---

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

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

**Executing 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 and 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 Biologia Ambiental (CBA/FC/UL)**
  - **Centro de Recursos Naturais e Ambiente - Instituto Superior Técnico (CERENA/IST)**
- 

### **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

- **Portugal**
- 

### **Target area size/administrative unit**

#### **Area Size**

Indicate the total area expressed in number of hectares

3000000 hectares

**Administrative Unit**

Indicate the administrative unit targeted in the project area, if known, by the Programme/Project.

Alentejo Region

---

**Target Group**

**Beneficiaries**

Enter the total number of people benefitting from the Programme/Project, if known.

500000

---

**Start date**

Indicate the date at which the Programme/Project started or is due to start, if known.

*No answer provided.*

---

**Completion date**

Indicate the date at which the Programme/Project was completed or is due to be completed, if known.

*No answer provided.*

---

**Status**

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

Ongoing

---

**Programme/Project co-financing**

**Programme/Project co-financing**

Item 1

**Source**

---

**Source (other)**

Portugal - Fundação para a Ciência e Tecnologia

**Currency**

EUR

**Amount**

198444

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**United Nations 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**

2

**UNFCCC mitigation**

1

**CBD**

1

---

## Strategic objectives

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

- 2
- 3

---

## Operational objectives

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

- 1
- 2
- 3

---

## Sector(s) of intervention

Indicate the sector(s) of intervention as specified in the related documentation, choosing from the list of purpose codes provided in the quick reference guide (ICCD/CRIC(9)/INF.11). The OECD list of purpose codes 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).

- 11420 Higher education
- 410 General environmental protection
- 31282 Forestry research
- 41082 Environmental research
- 43040 Rural development
- 43082 Research/scientific institutions

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## Programme/Project Components

### Relevant Activity Code(s) (RACs)

Indicate all RACs that may apply to the Programme/Project (refer to the RACs guidance note for more information, examples and instructions).

- 1 Monitoring and Research
- 2.2.10 Resource Management Planning
- 3.2 Natural Resource Management
- 5.8 Reforestation/Afforestation

---

## Expected or achieved results

Provide information on the results achieved or expected from the implementation of the Programme/Project.

- 4 major methodological innovative approaches with a new solution to determine the first signs of DLD:  
1) At regional level project considered how vegetation changes in the DLD gradient considering not only space but also time, trying to evaluate the changes in the horizontal structure of the vegetation patterns since the XIX up to present and relate these with precipitation regime and socio-economical patterns; 2) Observe shifts in the different functional groups and relate those with DLD gradients, namely with macroclimatic spatial model and land-use types; 3) At local level proj. will focus the analysis in the functional diversity, rather than on particular species or groups of species; 4) Identification of early-warning indicators that respond better to the factors associated to DLD.
- The work flow of the project will be as follows:  
Task 1) Collecting all information already available for subsequent tasks; Task 2) Analysis of how

vegetation structure and distribution has changed through time, as a response to present and historical DLD associated factors change; Task 3) Analysis of how vegetation functional indicators varies in the study region as a response to the DLD gradient, taking into account vegetation functional diversity (plants and lichens) and other functional parameters (vitality, isotopic analysis); Task 4) Set up a functional model that will help us to predict the changes that will occur in a scenario of global change.

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### Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- <http://ecofun.fc.ul.pt/projetos/desertwarning/>

### Attachments:

- [100113 Modeling Ecosystem Structure and Functional Diversity as early-warning indicators of Desertification and Land-degradation -.pdf](#), 621.46 kB
- 

## Programme/Project #3 — LTER Montado - Long-term socio-ecological research and monitoring in a Mediterranean cultural landscape

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### Reporting entity(ies)

Enter the full name and acronym of the reporting entity(ies)

*No answer provided.*

### Other

- Fundação da Faculdade de Ciências (FFC/FC/UL)
  - Autoridade Florestal Nacional (AFN/MADRP)
  - Fundação da Faculdade de Ciências e Tecnologia (FFCT/FCT/UNL)
  - Instituto Superior de Agronomia (ISA/UTL)
  - Instituto Superior Técnico (IST/UTL)
  - Universidade de Coimbra (UC)
  - Centro de Biologia Ambiental (CBA/FC/UL)
  - Centro de Estudos Florestais (CEF/ISA/UTL)
  - Centro de Investigação em Ambiente e Sustentabilidade (CENSE)
  - Centro de Recursos Naturais e Ambiente (CERENA/IST/UTL)
  - Faculdade de Ciências da Universidade de Lisboa (FC/UL)
- 

### Identification code

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

**FCT LTER Montado**

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### Title

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

**LTER Montado - Long-term socio-ecological research and monitoring in a Mediterranean cultural landscape**

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

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

**Executing 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 and 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 Biologia Ambiental (CBA/FC/UL)**
  - **Centro de Estudos Florestais (CEF/ISA/UTL)**
  - **Centro de Investigação em Ambiente e Sustentabilidade (CENSE)**
  - **Centro de Recursos Naturais e Ambiente (CERENA/IST/UTL)**
- 

## 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

- **Portugal**
- 

## Target area size/administrative unit

### Area Size

Indicate the total area expressed in number of hectares

**9000000 hectares**

### Administrative Unit

Indicate the administrative unit targeted in the project area, if known, by the Programme/Project.

**Portugal Continental**

---

## Target Group

### Beneficiaries

Enter the total number of people benefitting from the Programme/Project, if known.

**1800000**

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### Start date

Indicate the date at which the Programme/Project started or is due to start, if known.

*No answer provided.*

---

### Completion date

Indicate the date at which the Programme/Project was completed or is due to be completed, if known.

*No answer provided.*

---

### Status

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

**Ongoing**

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## Programme/Project co-financing

### Programme/Project co-financing

Item 1

Source

---

**Source (other)**

Fundação para a Ciência e Tecnologia

**Currency**

EUR

**Amount**

140000

*Item 2*

**Source**

Portugal - CCD Focal Point - Ministry for Agriculture, Rural Development and Fisheries

**Source (other)**

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**Currency**

EUR

**Amount**

10000

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**United Nations 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**

2

**UNFCCC mitigation**

2

**CBD**

2

---

**Strategic objectives**

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

- 2
- 3

---

**Operational objectives**

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

- 1
- 3

---

**Sector(s) of intervention**

Indicate the sector(s) of intervention as specified in the related documentation, choosing from the list of purpose codes provided in the quick reference guide (ICCD/CRIC(9)/INF.11). The OECD list of purpose codes 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).

- **16062 Statistical capacity building**

- 31282 Forestry research
  - 410 General environmental protection
- 

## Programme/Project Components

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### Relevant Activity Code(s) (RACs)

Indicate all RACs that may apply to the Programme/Project (refer to the RACs guidance note for more information, examples and instructions).

- 1 Monitoring and Research
  - 2 Capacity Development and Planning
  - 3 Resource Management
  - 4 Mitigation and Recovery
  - 5.8 Reforestation/Afforestation
- 

### Expected or achieved results

Provide information on the results achieved or expected from the implementation of the Programme/Project.

- **The main core research of the project encompasses the classical LTER objectives and goes further, aiming to understand how montado functioning and ability to provide ecosystem services, respond to land-use changes under a desertification scenario predicted by global climate change models. The montado (dehesa in Spain) is recognized as a unique agro-silvo-pastoral ecosystem found only in the Mediterranean basin. These savannah-like landscapes are dominated by cork and holm oaks, shaped over millennia of traditional land use practices.**
  - **The project is structured in 7 tasks: Task #1 – Compilation of montado-related short to long-term observation records; Task #2 – Large-scale monitoring of key drivers of change; Task #3 – Response of montado ecosystem to local-scale pressures; Task #4 – Socio-economic drivers of change; Task #5 – Participatory Social Processes; Task #6 – Building a LTER Montado Network Information System, and Task #7 – Networking and building long-term R&M capabilities in south-European agro-ecosystems) aimed to produce a generic framework with recommendations and guidelines for future research and monitoring that will promote an effective reconciliation of agro-forestry practices and conservation principles.**
- 

### Sources of information

Specify the sources used to extract the information provided above. You may also upload relevant documents.

- <http://www.cienciahoje.pt/index.php?oid=50077&op=all>

### Attachments:

- [100201 LTER Montados.pdf](#), 536.94 kB



## 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

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#### Financial resources

***Could your country count on sufficient financial resources to meet UNCCD reporting obligations?***

Yes

***Which options provided by the GEF Financing for Enabling Activities under the UNCCD did your country choose to apply for?***

None

***Amount received (USD)***

No answer required.

***Did your country experience difficulties in applying for and accessing the GEF funding?***

No answer provided.

***If yes, describe the difficulties experienced.***

No answer required.

***Provide an estimate of the amount invested from your country's national budget into the UNCCD reporting process.***

15000 Euro

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#### Human resources and knowledge

***How many people were involved in your country in the UNCCD reporting process?***

25 people

***Estimate the total number of person/day dedicated by these persons to the UNCCD reporting process:***

3 person/day

***Could your country count on sufficient technical and scientific knowledge to meet UNCCD reporting obligations?***

Yes

***If no, describe the main reasons and the difficulties encountered.***

No answer required.

---

#### Coordination, participation and consultation

***Was coordination with the relevant implementing agencies satisfactory in order to apply for necessary funds?***

***Was coordination at the national level with the relevant line ministries satisfactory in order to***

*comprehensively and coherently report?*

Yes

*Was a participatory or consultative approach applied to involve all relevant stakeholders in the reporting process?*

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### **Validation meeting, subregional and regional processes**

*Was a validation meeting held as a part of the reporting process?*

Yes

*Did your country actively cooperate with the entities entrusted with preparing the subregional and regional reports (SRAP / RAP reports) ?*

Yes

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### **PRAIS portal**

*If you are reporting online, did you receive sufficient training on access and utilization of the PRAIS portal?*

*Did you experience difficulties with access and utilization of the PRAIS portal?*

Yes

*If you experienced difficulties, identify the reasons.*

Rate the level of importance by using a scale from 0 to 5, where 0 is not important at all and 5 is very important.

Reason	Level of importance
Slow internet access	4
Complexity of the system	3
Difficulties in getting access credentials	0
Other	4

*Other (specify)*

Several repetition and redundant questions

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### **Accommodation of specific requests within COP decisions**

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#### **Report on specific COP requests – iterative process on indicators**

Decision 13/COP.9, paragraphs 2, 3 and 4, envisages an iterative process to refine the set of performance and impact indicators. As a tool to implement this iterative process, affected country Parties can provide here their suggestions and recommendations for improvement.

#### **Performance indicators**

Tick the cells only if you have experienced difficulties in reporting on one, or more, performance indicator(s). Indicate against which of the e-SMART criteria the indicator(s) need(s) to be improved.

	economic	Specific	Measurable	Achievable	Relevant	Time-bound
CONS-O-1				X		X
CONS-O-3				X		X
CONS-O-4				X		X
CONS-O-5						
CONS-O-7						X

CONS-O-8						
CONS-O-9						
CONS-O-10						X
CONS-O-11						
CONS-O-13					X	
CONS-O-14					X	
CONS-O-16						
CONS-O-17				X		X
CONS-O-18		X	X	X		X

### Impact indicators

Tick the cells only if you have experienced difficulties in reporting on one, or more, impact indicator(s). Indicate against which of the e-SMART criteria the indicator(s) need(s) to be improved.

	economic	Specific	Measurable	Achievable	Relevant	Time-bound
SO4-3						
SO4-4						
SO4-6						
SO4-7						

## Reporting on the implementation of NAP

Which is the percentage of activities included in the NAP that are currently implemented?

31-60%

*If you experienced difficulties in NAP implementation (i.e. the percentage is below 30%), provide description of concrete measures being taken or suggestions for measures to be taken to foster NAP implementation:*

*No answer required.*

### Human resources

Lessons learnt (report on the 2 most important only)

1. Developing the NAP it's an ongoing process that never stops and that we have to adjust to the next nowhere step questions in a Global real World. A NAP is a process where we need to work with all the available stakeholders in each step. Reporting about NAPs isn't an academic exercise.
2. The time / people available to develop a "every-time changing" template report (during the 6 months for development) when we are dealing with the real application and revision of our NAP creates time consuming to everybody and not necessary troubles for our life

Problems, constraints and bottlenecks currently faced by your country (report on the 2 most important only)

- 1.

The academic, redundant and repetition of questions some of them with no clear context of the convention or NAPs but seems more to answer to specific needs of some institutions that could achieve their answers by themselves

2.

The complexity of the report in many questions with time consuming to understand what we have to answer

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## Financial resources

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### Lessons learnt (report on the 2 most important only)

1.

More than 4 indicators, strategic or operational, there is very expensive and too much for a long term process. When we have to begin talking about the 5th indicator everybody has already forgotten what we have said about the first one.

2.

It's necessary to understand in a report process that indicators are to communicate simple (to public and to deciders). Not to complicate. Or spend money.

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### Problems, constraints and bottlenecks currently faced by your country (report on the 2 most important only)

1.

Our financial problems are global and national, not specific to the application of the NAP to UNCCD. But we and the UNCCD need to learn beginning to live with this ongoing changing world.

2.

It's necessary to analyse carefully on the next future the role and conditions for participation on the UNCCD for some "developed" and "undeveloped" countries and annexes.

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## Any other country-specific issues

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### 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**

Other

**Other (specify)**

The financial questions that we have identified in 5.3

**Narrative description**

*No answer provided.*

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## Submission form

Submission form	
Name of the reporting officer *	Lúcio Pires do Rosário

Date of submission *	14 Oct 2012
Signature	
<hr/>	
Name of the authorizing officer	Lúcio Pires do Rosário
Date of authorization	---
Signature	



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