

# 1. Is SOC monitoring required to evaluate SOC change with SLM OR for national-scale LDN assessment?

Evaluate SOC change with SLM

National-scale LDN assessment

Preparation and coordination

2. At the scale of the SLM intervention, assemble available information and establish how SOC monitoring for SLM intervention will support national-scale LDN assessment

3. At national scale, assemble all relevant datasets from SOC monitoring of SLM interventions and any other available sources

yes

4. Do you have capacity to measure baseline SOC stocks?

no

5. Design sampling scheme following Decision Tree 5 and measure baseline SLM stocks

no

6. Can space-for-time measurements be taken?

yes

8. Can SOC measurements be repeated over time?

yes

10. Design repeat measurement sampling and analysis protocol Decision Tree 5, estimate SOC stock change and uncertainty.

no

7. Do you have coarse (some available) or fine (extensive available) data and capacity to use tools/models for SOC assessment?

no

yes

9. Design space-for-time measurement sampling and analysis protocol following Decision Tree 5, estimate SOC baseline, SOC stock change and uncertainty.

11. Use default data in tool/model for SOC assessment to estimate SOC baseline, SOC stock change and uncertainty.

12. Use coarse or fine data in tool/model for SOC assessment to estimate baseline SOC stocks plus SOC stock change and uncertainty

SOC monitoring analysis to support national-scale LDN assessment

13. Contribute any new measured data to support national-scale LDN assessment, and/or improvements in tools/models for SOC assessment

14. Plan how to fill data and capacity gap to use tools/models for SOC assessment and support national-scale LDN assessment

15. If this is the end result of evaluating SOC change with SLM, contribute results and any new datasets to support national-scale LDN assessment