# **SO1-1 – Trends in land cover**

## **Land area**

### **SO1-1.T1: National estimates of the total land area, the area covered by water bodies and total country area**

Indicate the total land area, the area covered by water bodies and total country area every five years from 2000 to 2015 and then for the most recent reported year. This section is pre-filled with default information derived from the European Space Agency Climate Change Initiative Land Cover dataset. Keep the default national estimates or, in the event of data and capacity, replace them with national data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **Total land area (km²)** | **Water bodies (km²)** | **Total country area (km²)** | **Comments** |  |
| 2001 |  |  |  |  |  |
| 2005 |  |  |  |  |  |
| 2010 |  |  |  |  |  |
| 2015 |  |  |  |  |  |

## **Land cover legend and transition matrix**

State the key degradation processes relevant in your country, define a land cover legend that allows for their monitoring, and generate a transition matrix that specifies land cover changes as being either degradation, improvement or neutral transitions.

### **SO1-1.T2: Key Degradation Processes**

State the key degradation processes relevant in your country and the corresponding land cover transitions.

|  |  |  |  |
| --- | --- | --- | --- |
| **Degradation Process** | **Starting Land Cover** | **Ending Land Cover** |  |
|  |  |  |  |
| * Urban Expansion |  |  |  |
| * Deforestation |  |  |  |
| * Vegetation Loss |  |  |  |
| * Inundation |  |  |  |
| * Woody Encroachment |  |  |  |
| * Wetland Drainage * Other |  |  |  |
|  | | | |

|  |
| --- |
|  |

Are the seven UNCCD land cover classes sufficient to monitor the key degradation processes in your country?

Yes

No

### **SO1-1.T4a: UNCCD land cover legend transition matrix**

Evaluate the default land cover transitions and adjust them, if needed, through a participatory process considering national and local conditions. Based on the outcome of this process and/or your knowledge of the land degradation processes occurring at the national level, use the drop-down menus provided in the table to identify which transitions correspond to degradation (- sign) or improvement (+ sign) and which remain stable in terms of land condition (zero). Highlight unlikely transitions, i.e. where transitions between classes are illogical or implausible, using the checkbox provided.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Original/ Final** | **Tree-covered areas** | **Grasslands** | **Croplands** | **Wetlands** | **Artificial surfaces** | **Other Lands** | **Water bodies** |  |
| **Tree-covered areas** |  |  |  |  |  |  |  |  |
| **Grasslands** |  |  |  |  |  |  |  |  |
| **Croplands** |  |  |  |  |  |  |  |  |
| **Wetlands** |  |  |  |  |  |  |  |  |
| **Artificial surfaces** |  |  |  |  |  |  |  |  |
| **Other Lands** |  |  |  |  |  |  |  |  |
| **Water bodies** |  |  |  |  |  |  |  |  |

## **Land cover**

This section is pre-filled with default land cover data derived from the European Space Agency Climate Change Initiative Land Cover dataset. Keep the default national estimates or, in the event of data and capacity, replace them with national datasets.

### **SO1-1.T5: National estimates of land cover (km²) for the baseline and reporting period**

Report national annual area estimates of the land cover classes and calculate net area changes for the baseline and reporting periods. Keep the default estimates or replace them with national datasets.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Tree-covered areas (km²)** | **Grasslands (km²)** | **Croplands (km²)** | **Wetlands (km²)** | **Artificial surfaces (km²)** | **Other Lands (km²)** | **Water bodies (km²)** |  |
| **2000** |  |  |  |  |  |  |  |  |
| **2001** |  |  |  |  |  |  |  |  |
| **2002** |  |  |  |  |  |  |  |  |
| **2003** |  |  |  |  |  |  |  |  |
| **2004** |  |  |  |  |  |  |  |  |
| **2005** |  |  |  |  |  |  |  |  |
| **2006** |  |  |  |  |  |  |  |  |
| **2007** |  |  |  |  |  |  |  |  |
| **2008** |  |  |  |  |  |  |  |  |
| **2009** |  |  |  |  |  |  |  |  |
| **2010** |  |  |  |  |  |  |  |  |
| **2011** |  |  |  |  |  |  |  |  |
| **2012** |  |  |  |  |  |  |  |  |
| **2013** |  |  |  |  |  |  |  |  |
| **2014** |  |  |  |  |  |  |  |  |
| **2015** |  |  |  |  |  |  |  |  |
| **2016** |  |  |  |  |  |  |  |  |
| **2017** |  |  |  |  |  |  |  |  |
| **2018** |  |  |  |  |  |  |  |  |
| **2019** |  |  |  |  |  |  |  |  |
| **2020** |  |  |  |  |  |  |  |  |

## **Land cover change**

This section is pre-filled with default land cover change data for the baseline and reporting periods. Keep the default data or replace it with national datasets

### **SO1-1.T6: National estimates of land cover change (km²) for the baseline period**

Fill in the land cover area change matrix by reporting national estimates of land cover flows, which represent the losses and gains resulting from changes from one land cover class to a different land cover class, for the baseline period.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Tree-covered areas (km²)** | **Grasslands (km²)** | **Croplands (km²)** | **Wetlands (km²)** | **Artificial surfaces (km²)** | **Other Lands (km²)** | **Water bodies (km²)** |  |
| **Tree-covered areas** |  |  |  |  |  |  |  |  |
| **Grasslands** |  |  |  |  |  |  |  |  |
| **Croplands** |  |  |  |  |  |  |  |  |
| **Wetlands** |  |  |  |  |  |  |  |  |
| **Artificial surfaces** |  |  |  |  |  |  |  |  |
| **Other Lands** |  |  |  |  |  |  |  |  |
| **Water bodies** |  |  |  |  |  |  |  |  |

### **SO1-1.T7: National estimates of land cover change (km²) for the reporting period**

Fill in the land cover area change matrix by reporting national estimates of land cover flows, which represent the losses and gains resulting from changes from one land cover class to a different land cover class, for the reporting period.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Tree-covered areas (km²)** | **Grasslands (km²)** | **Croplands (km²)** | **Wetlands (km²)** | **Artificial surfaces (km²)** | **Other Lands (km²)** | **Water bodies (km²)** |  |
| **Tree-covered areas** |  |  |  |  |  |  |  |  |
| **Grasslands** |  |  |  |  |  |  |  |  |
| **Croplands** |  |  |  |  |  |  |  |  |
| **Wetlands** |  |  |  |  |  |  |  |  |
| **Artificial surfaces** |  |  |  |  |  |  |  |  |
| **Other Lands** |  |  |  |  |  |  |  |  |
| **Water bodies** |  |  |  |  |  |  |  |  |

## **Land cover degradation**

This section is pre-filled with default land cover degradation estimates for the baseline and reporting periods. Keep the default data or replace it with national datasets.

### **SO1-1.T8: National estimates of land cover degradation (km²) in the baseline period**

Quantitative summary of land that is degraded or non-degraded due to land cover change in the baseline period, reported as the total area of degraded land cover in km2 and the area of degraded land cover as a proportion (%) of the total land area.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Area (km²)** | **Per cent of total land area (%)** |  |
| **Land area with degraded land cover ⓘ Area degraded due to land cover change in the baseline period** |  |  |  |
| **Land area with non-degraded land cover ⓘ Area not degraded based on land cover change in the baseline period** |  |  |  |
| **Land area with no land cover data ⓘ Area not reported due to a lack of valid land cover data** |  |  |  |

### **SO1-1.T9: National estimates of land cover degradation (km²) in the reporting period**

Quantitative summary of land that is degraded and non-degraded due to land cover change in the reporting period, reported as the total area of degraded land cover in km2 and the area of degraded land cover as a proportion (%) of the total land area.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Area (km²)** | **Per cent of total land area (%)** |  |
| **Land area with improved land cover ⓘ Area improved with respect to land cover change degradation in the reporting period** |  |  |  |
| **Land area with stable land cover ⓘ Area stable with respect to land cover change degradation in the reporting period** |  |  |  |
| **Land area with degraded land cover ⓘ Area degraded due to land cover change degradation in the reporting period** |  |  |  |
| **Land area with no land cover data ⓘ Area not reported due to a lack of valid land cover data** |  |  |  |

## **General Comments**

Provide any additional comments you deem relevant.

# **SO1-2 – Trends in land productivity or functioning of the land**

## **Land productivity dynamics**

This section is pre-filled with default land productivity dynamics data derived from the Land Productivity Dynamics dataset of the Joint Research Centre of the European Commission. Keep the default national estimates or, in the event of data and capacity, replace them with national datasets.

### **SO1-2.T1: National estimates of land productivity dynamics (in km²) within each land cover class for the baseline period**

Report the area covered by each class of land productivity dynamics (in km²) for the baseline period:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Land cover class** | **Net land productivity dynamics (km²) for the baseline period** | | | | | | |
| **Declining (km²)** | **Moderate Decline (km²)** | **Stressed (km²)** | **Stable (km²)** | **Increasing (km²)** | **No Data (km²)** |  |
| **Tree-covered areas** |  |  |  |  |  |  |  |
| **Grasslands** |  |  |  |  |  |  |  |
| **Croplands** |  |  |  |  |  |  |  |
| **Wetlands** |  |  |  |  |  |  |  |
| **Artificial surfaces** |  |  |  |  |  |  |  |
| **Other Lands** |  |  |  |  |  |  |  |
| **Water bodies** |  |  |  |  |  |  |  |

### **SO1-2.T2: National estimates of land productivity dynamics (in km²) within each land cover class for the reporting period.**

This table will include the top four land cover changes (by area) by default. Add additional land conversions when deemed necessary.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Land cover class** | **Net land productivity dynamics (km²) for the reporting period** | | | | | | |
| **Declining (km²)** | **Moderate Decline (km²)** | **Stressed (km²)** | **Stable (km²)** | **Increasing (km²)** | **No Data (km²)** |  |
| **Tree-covered areas** |  |  |  |  |  |  |  |
| **Grasslands** |  |  |  |  |  |  |  |
| **Croplands** |  |  |  |  |  |  |  |
| **Wetlands** |  |  |  |  |  |  |  |
| **Artificial surfaces** |  |  |  |  |  |  |  |
| **Other Lands** |  |  |  |  |  |  |  |
| **Water bodies** |  |  |  |  |  |  |  |

### **SO1-2.T3: National estimates of land productivity dynamics for areas where a land conversion to a new land cover class has taken place (in km²) for the baseline period.**

This table will include the top four land cover changes (by area) by default. Add additional land conversions when deemed necessary.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Land Conversion** | | **Net land productivity dynamics (km²) for the baseline period** | | | | | |  |
| **From** | **To** | **Net area change (km²)** | **Declining (km²)** | **Moderate Decline (km²)** | **Stressed (km²)** | **Stable (km²)** | **Increasing (km²)** |  |
|  | | | | | | | | |

|  |
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|  |

### **SO1-2.T4: National estimates of land productivity dynamics for areas where a land conversion to a new land cover class has taken place (in km²) for the reporting period.**

This table will include the top four land cover changes (by area) by default. Add additional land conversions when deemed necessary.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Land Conversion** | | **Net land productivity dynamics (km²) for the reporting period** | | | | | |  |
| **From** | **To** | **Net area change (km²)** | **Declining (km²)** | **Moderate Decline (km²)** | **Stressed (km²)** | **Stable (km²)** | **Increasing (km²)** |  |
|  | | | | | | | | |

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## **Land Productivity degradation**

This section is pre-filled with default land productivity degradation estimates for the baseline and reporting periods. Keep the default data or replace it with national datasets.

### **SO1-2.T5: National estimates of land productivity degradation in the baseline period**

Quantitative summary of land that is degraded or improved and stable due to land productivity in the baseline period, reported as the total area of degraded land productivity in km2 and the area of degraded land productivity as a proportion (%) of the total land area.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Area (km²)** | **Per cent of total land area (%)** |  |
| **Land area with degraded land productivity ⓘ Area degraded based on land productivity dynamics in the baseline period** |  |  |  |
| **Land area with non-degraded land productivity ⓘ Area not degraded based on land productivity dynamics in the baseline period** |  |  |  |
| **Land area with no land productivity data ⓘ Area not reported due to a lack of valid land productivity dynamics data** |  |  |  |

### **SO1-2.T6: National estimates of land productivity degradation in the reporting period**

Quantitative summary of land that is degraded or improved and stable due to land productivity in the reporting period, reported as the total area of degraded land productivity in km2 and the area of degraded land productivity as a proportion (%) of the total land area.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Area (km²)** | **Per cent of total land area (%)** |  |
| **Land area with improved land productivity ⓘ Area improved with respect to land productivity in the reporting period** |  |  |  |
| **Land area with stable land productivity ⓘ Area stable with respect to land productivity in the reporting period** |  |  |  |
| **Land area with degraded land productivity ⓘ Area degraded with respect to land productivity in the reporting period** |  |  |  |
| **Land area with no land productivity data ⓘ Area not reported due to a lack of valid land productivity data** |  |  |  |

## **General Comments**

Provide any additional comments you deem relevant.

# **SO1-3 Trends in carbon stocks above and below ground**

## **Soil organic carbon stocks**

This section is pre-filled with default soil organic carbon (SOC) stock data derived from the SoilGrids250m dataset of the International Soil Reference and Information Centre (ISRIC). Keep the default national estimates or, in the event of data and capacity, replace them with national datasets.

### **SO1-3.T1. National estimates of the soil organic carbon stock in topsoil (0-30 cm) within each land cover class (in tonnes per hectare).**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Soil organic carbon stock in topsoil (t/ha)** | | | | | | |  |
| **Tree-covered areas** | **Grasslands** | **Croplands** | **Wetlands** | **Artificial surfaces** | **Other Lands** | **Water bodies** |  |
| **2000** |  |  |  |  |  |  |  |  |
| **2001** |  |  |  |  |  |  |  |  |
| **2002** |  |  |  |  |  |  |  |  |
| **2003** |  |  |  |  |  |  |  |  |
| **2004** |  |  |  |  |  |  |  |  |
| **2005** |  |  |  |  |  |  |  |  |
| **2006** |  |  |  |  |  |  |  |  |
| **2007** |  |  |  |  |  |  |  |  |
| **2008** |  |  |  |  |  |  |  |  |
| **2009** |  |  |  |  |  |  |  |  |
| **2010** |  |  |  |  |  |  |  |  |
| **2011** |  |  |  |  |  |  |  |  |
| **2012** |  |  |  |  |  |  |  |  |
| **2013** |  |  |  |  |  |  |  |  |
| **2014** |  |  |  |  |  |  |  |  |
| **2015** |  |  |  |  |  |  |  |  |
| **2016** |  |  |  |  |  |  |  |  |
| **2017** |  |  |  |  |  |  |  |  |
| **2018** |  |  |  |  |  |  |  |  |
| **2019** |  |  |  |  |  |  |  |  |
| **2020** |  |  |  |  |  |  |  |  |

### **If you opted not to use default Tier 1 data, what did you use to calculate the estimates above?**

Modified Tier 1 methods and data

Tier 2 (additional use of country-specific data)

Tier 3 (more complex methods involving ground measurements and modelling)

### **SO1-3.T2: National estimates of the change in soil organic carbon stock in soil due to land conversion to a new land cover class in the baseline period**

This table will include the top four land cover changes (by area) by default. Add additional land conversions when deemed necessary.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Land Conversion** | | **Soil organic carbon (SOC) stock change in the baseline period** | | | | | |  |
| **From** | **To** | **Net area change (km²)** | **Initial SOC stock (t/ha)** | **Final SOC stock (t/ha)** | **Initial SOC stock total (t)** | **Final SOC stock total (t)** | **SOC stock change (t)** |  |
|  | | | | | | | | |

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### **SO1-3.T3: National estimates of the change in soil organic carbon stock in soil due to land conversion to a new land cover class in the reporting period**

This table will include the top four land cover changes (by area) by default. Add additional land conversions when deemed necessary.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Land Conversion** | | **Soil organic carbon (SOC) stock change in the reporting period** | | | | | |  |
| **From** | **To** | **Net area change (km²)** | **Initial SOC stock (t/ha)** | **Final SOC stock (t/ha)** | **Initial SOC stock total (t)** | **Final SOC stock total (t)** | **SOC stock change (t)** |  |
|  | | | | | | | | |

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|  |

## **Soil organic carbon stock degradation**

This section is pre-filled with default SOC stock degradation estimates for the baseline and reporting periods. Keep the default data or replace it with national datasets.

### **SO1-3.T4: National estimates of soil organic carbon stock degradation in the baseline period**

Quantitative summary of land that is degraded or non-degraded due to SOC change in the baseline period, reported as the total area of degraded SOC in km2 and the area of degraded SOC as a proportion (%) of the total land area.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Area (km²)** | **Per cent of total land area (%)** |  |
| **Land area with degraded soil organic carbon (SOC) ⓘ Area degraded based on SOC change in the baseline period** |  |  |  |
| **Land area with non-degraded SOC ⓘ Area not degraded based on SOC change in the baseline period** |  |  |  |
| **Land area with no SOC data ⓘ Area not reported due to a lack of valid SOC data** |  |  |  |

### **SO1-3.T5: National estimates of SOC stock degradation in the reporting period**

Quantitative summary of land that is degraded, improved or stable due to SOC change in the reporting period, reported as the total area of degraded SOC in km2 and the area of degraded SOC as a proportion (%) of the total land area.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Area (km²)** | **Per cent of total land area (%)** |  |
| **Land area with improved SOC ⓘ Area improved with respect to SOC degradation in the reporting period** |  |  |  |
| **Land area with stable SOC ⓘ Area stable with respect to SOC degradation in the reporting period** |  |  |  |
| **Land area with degraded SOC ⓘ Area degraded due to SOC change degradation in the reporting period** |  |  |  |
| **Land area with no SOC data ⓘ Area not reported due to a lack of valid SOC data** |  |  |  |

## **General Comments**

Provide any additional comments you deem relevant.

# **SO1-4 Proportion of degraded land over the total land area (Sustainable Development Goal indicator 15.3.1)**

## **Proportion of degraded land over the total land area (Sustainable Development Goal Indicator 15.3.1)**

This section is pre-filled with national estimates derived from global data sources. Keep the default national estimates or, in the event of data and capacity, replace them with national data.

### **SO1-4.T1: National estimates of the total area of degraded land (in km²), and the proportion of degraded land relative to the total land area**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Total area of degraded land (km²)** | **Proportion of degraded land over the total land area (%) ⓘ Report the Sustainable Development Goal as a single figure quantifying the area of degraded land as a proportion of total land area, defined as the total surface area of a country, excluding the area covered by inland waters, such as major rivers and lakes.** |  |
| **Baseline Period 2000–2015 ⓘ The baseline sets the benchmark extent of degradation, against which progress towards achieving SDG Target 15.3 and Land Degradation Neutrality is assessed** |  |  |  |
| **Reporting Period 2016–2019 ⓘ This is the current reporting period and should indicate the recent extent of degraded land. The extent of degradation in the current reporting period should be compared to the extent of degradation measured in the baseline period in order to identify whether this area is increasing or decreasing over time.** |  |  |  |
| **Change in degraded extent ⓘ Change in degraded extent between the baseline and current reporting period** |  |  |  |

## **Method**

The one-out, all-out approach is recommended as Good Practice to integrate the SO1-1, SO1-2 and SO1-3 indicator values in order to compute Sustainable Development Goal (SDG) Indicator 15.3.1, consistent with the precautionary principle. If alternative methods were employed to compute the SDG indicator, countries should document them in this section of the reporting form.

### **Did you use the SO1-1, SO1-2 and SO1-3 indicators (i.e. land cover, land productivity dynamics and soil organic carbon stock) to compute the proportion of degraded land?**

Which indicators did you use?

Land Cover

Land Productivity Dynamics

SOC Stock

### **Did you apply the one-out, all-out principle to compute the proportion of degraded land?**

Yes

No

If not, indicate the method used to assess the proportion of degraded land.

## **Level of Confidence**

### **Indicate your country’s level of confidence in the assessment of the proportion of degraded land:**

High (based on comprehensive evidence)

Medium (based on partial evidence)

Low (based on limited evidence)

### **Describe why the assessment has been given the level of confidence selected above:**

## **Progress towards Land Degradation Neutrality**

In addition to the binary assessment of degradation provided by SDG Indicator 15.3.1, monitoring Land Degradation Neutrality (LDN) involves quantifying the balance between the area of gains (significant positive changes in LDN indicators, i.e. land cover, land productivity and SOC stocks) and area of losses (significant negative changes in LDN indicators) within each land type across the landscape. Neutrality is achieved when the area of losses equals the area of gains within each land type and across land types, at national scale. This section is pre-filled with national estimates derived from global data sources. Keep the default national estimates or, in the event of data and capacity, replace them with national data.

### **SO1-4.T2: National estimates of the total areas of gains and losses, and of the net gain or loss (km2)**

Report the total area of improved land (gains) and degraded land (losses) and estimate the net gain or loss as an indication of progress towards LDN.

|  |  |  |
| --- | --- | --- |
|  | **Area (km²)** |  |
| **Total Area of Improved Land (Gains)** |  |  |
| **Total Area of Degraded Land (Losses)** |  |  |
| **Land Degradation Neutrality Status (Net Gain/Loss)** |  |  |

## **False positives / False negatives**

### **SO1-4.T3: Justify why any area identified as degraded or non-degraded in the SO1-1, SO1-2 or SO1-3 indicator data should or should not be included in the overall Sustainable Development Goal indicator 15.3.1 calculation.**

If possible, provide spatial data using the Performance Review and Assessment of Implementation System (PRAIS) to delineate the areas of false positives or false negatives. It is still possible to document the processes that have led to the false positive or negative outcome without the addition of spatial data, but this will not be reflected in the calculation of SDG Indicator 15.3.1 and associated reporting data.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Location Name ⓘ Provide a place name to locate the area being reported** | **Type ⓘ False Positive: Justify why any area identified as degraded in the SO1-1, SO1-2 or SO1-3 data should not be included in the Sustainable Development Goal (SDG) indicator 15.3.1 calculation. False Negative: Justify why any area identified as non-degraded in the SO1-1, SO1-2 or SO1-3 data should be included as degradation in the SDG indicator 15.3.1 calculation** | **Indicator Values ⓘ The graph represents the percentage of the total area of the polygon that is degraded or improved per sub-indicator. It should be used as a guide to understand which sub-indicator is driving the false positive or negative process being reported within the polygon extent provided.** | **Area (km²) ⓘ The spatial extent of the area identified (if spatial data is used). Please enter the approximate extent of the area being reported (if known) if the area being reported is not supported by spatial information.** | **Process driving false +/- outcome ⓘ A description of the processes driving re-evaluation of the degradation assessment** | **Basis for Judgement ⓘ What led to the assessment – a local confirmation, scientific study or “another” assessment process?** | **Period(s) Concerned ⓘ Select the period(s) when the process driving the false +/- outcome began. This will determine whether the degradation assessment is evaluated for the baseline, the reporting period or both.** | **Edit Polygon ⓘ If the reporting of the false positive or false negative area is to be supported by spatial information, please use this button to delineate the area within PRAIS or to upload an existing spatial file of the areas being reported. Note: if this option is not selected, only certain (non-spatial) fields in this table remain editable and there will be no recalculation of the SDG Indicator 15.3.1 for your country.** |  |
|  | False Positive |  |  |  |  |  |  |  |
|  | False Negative |  |  |  | * Confirmed Locally | Baseline Period |  |  |
|  |  |  |  |  | * Scientific Study | Reporting Period |  |  |
|  |  |  |  |  | * Other | Both Baseline and Reporting Periods |  |  |
|  | | | | | | | | |

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## **Perform qualitative assessments of areas identified as degraded or improved**

Identify hotspot/brightspot areas using raster data provided in the PRAIS raster catalogue to delineate the extent of hotspot/brightspot areas as accurately as possible. Provide further interpretation of the hotspot/brightspot areas in the fields provided in the reporting tables.

### **SO1-4.T4: Degradation hotspots**

Report the main degradation hotspots, their location, spatial extent, drivers and remediating actions.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hotspots ⓘ Areas of intense degradation, highly vulnerable to further degradation in the absence of urgent remediation activities** | **Location ⓘ Provide a place name to identify the location of hotspot** | **Area (km²) ⓘ The spatial extent of the hotspot – this will be pre-populated if the hotspot has been delineated in PRAIS. Otherwise, this is an optional field to be filled in based on the country’s best estimate of the area of the hotspot.** | **Assessment Process ⓘ Select the assessment process which determined the location and extent of the hotspot.** | **Direct drivers of land degradation hotspots ⓘ These are the direct anthropogenic drivers of land degradation identified in the Assessment Report on Land Degradation and Restoration by the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES). Select all applicable local drivers which exacerbate the hotspot and rank them in terms of importance.** | **What is/are the indirect driver(s) of land degradation at the national level? ⓘ These are the indirect drivers of land degradation identified in the Assessment Report on Land Degradation and Restoration by IPBES. Select all applicable drivers which indirectly drive degradation hotspots at the national level and rank them in terms of importance. Please note that this reporting item is only relevant at the national level when all reported hotspots have been accumulated.** | **Action(s) taken to redress degradation in terms of Land Degradation Neutrality response hierarchy ⓘ Indicate whether the action(s) taken at the hotspot level is/are aimed at avoiding, reducing and/or reversing land degradation** | **Remediating action(s) (both forward-looking and current) ⓘ Describe actions taken, either now or in the future, to remediate the hotspot. First, select one or more relevant groups of measures, then select all specific restoration measures that apply.** |  |
|  | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **Total no. of hotspots** |  |  | |  |  |
| **Total hotspot area** |  |  |  |  |  |

### **SO1-4.T5: Improvement brightspots**

Report the main improvement brightspots, their location, spatial extent and response mechanisms.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Brightspots ⓘ Areas which do not exhibit any signs of degradation or which have been remediated from a degraded state by implementing appropriate remediation activities or through land planning processes to prevent degradation.** | **Location ⓘ Provide a place name to identify the location of the brightspot.** | **Area (km²) ⓘ The spatial extent of the brightspot – this will be pre-populated if the brightspot has been delineated in PRAIS. Otherwise, this is an optional field to be filled in based on the country’s best estimate of the area of the brightspot.** | **Assessment Process ⓘ Select the assessment process which determined the location and extent of the brightspot.** | **What action(s) led to the brightspot in terms of the Land Degradation Neutrality hierarchy? ⓘ Indicate whether the action(s) that led to the brightspot were aimed at avoiding, reducing and/or reversing land degradation.** | **What are the enabling and instrumental responses at the national level driving the occurrence of brightspots? ⓘ Enabling and Instrumental Responses taken from the Assessment Report on Land Degradation and Restoration (2018) by the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services. Select any enabling and instrumental responses which have created positive outcomes at the national level, resulting in brightspots, and rank them in terms of importance. Please note that this reporting item is only relevant at the national level when all brightspots have been accumulated.** | **Implementing action(s) (both forward-looking and current) ⓘ Describe the actions which led to the brightspot. First, select one or more relevant groups of measures, then select all specific restoration measures that apply.** |  |
|  | | | | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | |
| **Total no. of brightspots** |  |  | | |
| **Total brightspot area** |  | |  |  |

## **General Comments**

Provide any additional comments you deem relevant.

* ===
  + Site-based data
  + Qualitative information
  + Stakeholder perspectives from surveys, workshops and interviews
  + Establishment of expert panels
* ===
  + Deforestation and clearance of other native vegetation
  + Grazing land management
  + Cropland and agroforestry management
  + Native and planted forest management
  + Non-timber natural resource extraction
  + Fire regime change
  + Invasive Alien Species
  + Land abandonment
  + Mineral resource extraction
  + Infrastructure, industry and urbanization
  + Climate change
* ===
  + Site-based data
  + Qualitative information
  + Stakeholder perspectives from surveys, workshops and interviews
  + Establishment of expert panels
* ===
  + Deforestation and clearance of other native vegetation
  + Grazing land management
  + Cropland and agroforestry management
  + Native and planted forest management
  + Non-timber natural resource extraction
  + Fire regime change
  + Invasive Alien Species
  + Land abandonment
  + Mineral resource extraction
  + Infrastructure, industry and urbanization
  + Climate change
* ===
  + Avoid
  + Reduce
  + Reverse
* ===
  + Restore/improve tree-covered areas
  + Increase tree-covered area extent
  + Restore/improve croplands
  + Restore/improve grasslands
  + Restore/improve wetlands
  + Increase soil fertility and carbon stock
  + Manage artificial surfaces
  + Restore/improve protected areas
  + Increase protected areas
  + Improve coastal management
  + Other/general/unspecified
  + General instrument (e.g. policies, economic incentives)
  + Restore/improve multiple land uses
  + Reduce/halt conversion of multiple land uses
  + Restore/improve multiple functions
  + Restore productivity and SOC stock in croplands and grasslands
* ===
  + Reduce/halt deforestation and conversion of tree cover to other land cover types (e.g. conserving forest land)
  + Restore tree-covered areas
  + Increase land productivity in tree covered areas
  + Restore/improve grasslands
  + Improve tree cover management e.g. fire management
* ===
  + Increase tree covered land (net gain) e.g. plantations
* ===
  + Increase land productivity in agricultural areas
  + Improve water use for irrigation
  + Rehabilitate bare or degraded land for crop production
  + Practise sustainable land management
  + Halt/reduce conversion of cropland to other land cover types
* ===
  + Restore and improve pastures
  + Restore rangeland (e.g. by controlling livestock and wildfires)
  + Improve land productivity in grasslands
  + Halt/reduce conversion of grassland to other land cover types
* ===
  + Halt/reduce wetland conversion to other land uses (includes conserving wetlands)
  + Restore/preserve wetlands and reduce degradation of wetlands
* ===
  + Rehabilitate bare land and/or restore degraded land
  + Reduce soil erosion
  + Increase carbon stock and reduce soil/land degradation
  + Reduce sand encroachment
  + Maintain the current level of SOC
  + Improve watershed/landscape management
* ===
  + Restore degraded mining areas
  + Halt illegal mining and/or reduce mining areas
  + Improve land productivity on artificial surfaces
  + Halt/reduce/regulate expansion of urban/artificial surfaces
* ===
  + Increase protected area extent
* ===
  + Reduce coastal erosion
  + Reduce saline water intrusion in coastal zones
* ===
  + Avoid/prevent/halt degradation (of degraded lands)
  + Restore vegetation cover (unspecified land use)
  + Achieve LDN
  + Improve land productivity (unspecified land use)
  + Other/general/unspecified
* ===
  + Demographic
  + Economic
  + Science, knowledge and technology
  + Institutions and governance
  + Cultural

# **Voluntary Targets SO1**

Report on data-based, quantifiable and time-bound national voluntary targets to achieve LDN in accordance with specific national circumstances and development priorities and/or other targets relevant to strategic objective 1.

### **SO1-VT.T1. Voluntary Land Degradation Neutrality targets and other targets relevant to strategic objective 1**

Declare voluntary LDN targets and other targets relevant to strategic objective 1. If possible, provide spatial data in PRAIS to delineate the target areas. It is still possible to document the targets without the addition of spatial data. However, geographically bound targets for achieving a neutral (no net loss) or improved (net gain) state allow countries to focus on areas that have been identified as degradation hotspots or of high value in terms of achieving LDN.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Target ⓘ Articulate, in quantifiable and time-bound terms, voluntary targets set by your country that contribute to avoiding, reducing and reversing land degradation.** | **Year ⓘ Expected year of target achievement or actual year (if already achieved), from 2018 onwards.** | **Location(s) ⓘ State the location of the target area, e.g. by place name. Multiple entries allowed, e.g. if the target concerns more than one location.** | **Total Target Area (km²) ⓘ The spatial extent of the target area. This will be auto populated if spatial data is provided in PRAIS.** | **Overarching type of Land Degradation Neutrality (LDN) intervention ⓘ Relevance of the target to the LDN response hierarchy. Select more than 1 option if the target is aimed at two levels of the hierarchy simultaneously.** | **Targeted actions ⓘ Describe the actions outlined in the target. First, select one or more relevant groups of measures, then select all specific restoration measures that apply.** | **Status of target achievement ⓘ Indicate if the target has been achieved, is ongoing, extended, not achieved or partially achieved. If partially achieved, provide the completion percentage of the LDN targets, as this would be a valuable and practical approach to measure progress quantitatively.** | **Is this an LDN target? If so, under which process was it defined/adopted? ⓘ State if this target has been set in the context of the LDN initiative. If this is an LDN target, define under which process it was defined/adopted. This will enable the UNCCD to get a full overview of LDN targets after the reporting process is completed.** | **Which other important goals are also being addressed by this target? ⓘ Targets set under the UNCCD can also address commitments made in other Rio Conventions and associated initiatives. Please select other goals of relevance for this target.** |  |
|  |  |  |  | Avoid  Reduce  Reverse |  | Achieved | Yes  No   * LDN pilot project | * Convention on Biological Diversity – National Biodiversity Strategies and Action Plans & National Targets |  |
|  |  |  |  |  |  | Ongoing | * Participation in the LDN Target Setting Programme | * United Nations Framework Convention on Climate Change – Nationally Determined Contributions |  |
|  |  |  |  |  |  | Extended or postponed | * Other process | * Bonn Challenge |  |
|  |  |  |  |  |  | Not achieved |  | * AFR100 |  |
|  |  |  |  |  |  | Partially achieved |  | * Initiative 20x20 |  |
|  |  |  |  |  |  |  |  | * ECCA30 |  |
|  |  |  |  |  |  |  |  | * Other |  |
|  | | | | | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
| Total |  | Sum of all targeted areas |  |

### **SO1.IA.T1: Areas of implemented action related to the targets (projects and initiatives on the ground).**

Provide information in the table below to enable an assessment of the status of LDN implementation at national level, based on an analysis of gaps between implemented actions and established targets (stated in table SO1-VT.T1). Please ensure that the information entered here is consistent with the reporting on the implementation framework.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Relevant target ⓘ Select one of the targets entered in the table above for which you are reporting on specific actions. If possible, provide spatial data using PRAIS to delineate the areas of implemented action. It is still possible to document the actions without adding spatial data.** | **Implemented Action ⓘ Describe the implemented action – is it the same as the targeted action? If not, select ‘’Other” and provide information in the textbox.** | **Location (place name) ⓘ State the location of action areas, e.g. by giving a place name.** | **Action start date ⓘ Please provide an action start date.** | **Extent of action ⓘ The spatial extent of the implemented action. This will be auto-populated if spatial data is provided in PRAIS. Otherwise, estimate the extent and enter the area (in km2).** | **Total area implemented so far (km²) ⓘ Sum of all areas relevant to actions under a specific target.** |  |
|  | * Same As Targeted Actions |  |  |  |  |  |
|  | * Other |  |  |  |  |  |
|  | | | | | | |

|  |  |  |
| --- | --- | --- |
|  | | |
|  | Sum of all areas relevant to actions under the same target |  |

## **General Comments**

Provide any additional comments you deem relevant.