United Nations Convention to Combat Desertification
Performance review and assessment of implementation system
Seventh reporting process

## Report from
## Republic of Korea

**United Nations**
**Convention to Combat**
**Desertification**

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17 March 2023

# Contents

## 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

| Year | Total land area (km²) | Water bodies (km²) | Total country area (km²) | Comments |
|------|----------------------|--------------------|-------------------------|----------|
| 2 001 | 96 737 | 2 801 | 99 538 | |
| 2 005 | 96 843 | 2 803 | 99 646 | |
| 2 010 | 97 200 | 2 833 | 100 033 | |
| 2 015 | 97 445 | 2 850 | 100 295 | |
| 2 019 | 97 540 | 2 861 | 100 401 | |

### Land cover legend and transition matrix

SO1-1.T2: Key Degradation Processes

| Degradation Process | Starting Land Cover | Ending Land Cover |
|---------------------|---------------------|-------------------|

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

🔘 Yes

⚪ No

SO1-1.T4: UNCCD land cover legend transition matrix

| Original/ Final | Tree-covered areas | Grasslands | Croplands | Wetlands | Artificial surfaces | Other Lands | Water bodies |
|-----------------|--------------------|-----------|-----------|----------|---------------------|-------------|--------------|
| Tree-covered areas | 0 | - | - | - | - | - | 0 |
| Grasslands | + | 0 | + | - | - | - | 0 |
| Croplands | + | - | 0 | - | - | - | 0 |
| Wetlands | - | - | - | 0 | - | - | 0 |
| Artificial surfaces | + | + | + | + | 0 | + | 0 |
| Other Lands | + | + | | + | - | 0 | 0 |
| Water bodies | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

### Land cover

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

| | Tree-covered areas (km²) | Grasslands (km²) | Croplands (km²) | Wetlands (km²) | Artificial surfaces (km²) | Other Lands (km²) | Water bodies (km²) | No data (km²) |
|------|------|------|------|------|------|------|------|------|
| 2000 | 64 221 | 552 | 18 888 | 2 836 | 10 160 | 0 | 2 804 | |
| 2001 | 64 159 | 556 | 18 761 | 2 859 | 10 401 | 0 | 2 801 | |
| 2002 | 64 119 | 561 | 18 626 | 2 882 | 10 597 | 0 | 2 800 | |
| 2003 | 64 063 | 563 | 18 460 | 2 910 | 10 807 | 0 | 2 797 | |
| 2004 | 64 003 | 565 | 18 356 | 2 916 | 10 977 | 0 | 2 799 | |
| 2005 | 63 939 | 572 | 18 240 | 2 925 | 11 166 | 0 | 2 803 | |
| 2006 | 63 894 | 578 | 18 005 | 2 926 | 11 451 | 0 | 2 824 | |
| 2007 | 63 824 | 583 | 17 816 | 2 978 | 11 687 | 0 | 2 831 | |

| | Tree-covered areas (km²) | Grasslands (km²) | Croplands (km²) | Wetlands (km²) | Artificial surfaces (km²) | Other Lands (km²) | Water bodies (km²) | No data (km²) |
|---|---|---|---|---|---|---|---|---|
| 2008 | 63 749 | 583 | 17 588 | 3 050 | 12 018 | 0 | 2 839 | |
| 2009 | 63 703 | 583 | 17 368 | 3 088 | 12 318 | 0 | 2 837 | |
| 2010 | 63 688 | 581 | 17 153 | 3 099 | 12 678 | 0 | 2 833 | |
| 2011 | 63 478 | 582 | 16 980 | 3 113 | 13 155 | 0 | 2 841 | |
| 2012 | 63 399 | 580 | 17 300 | 3 122 | 12 945 | 0 | 2 842 | |
| 2013 | 63 394 | 578 | 17 114 | 3 146 | 13 193 | 0 | 2 840 | |
| 2014 | 63 422 | 573 | 16 911 | 3 143 | 13 386 | 0 | 2 849 | |
| 2015 | 63 346 | 570 | 16 790 | 3 152 | 13 587 | 0 | 2 850 | |
| 2016 | 63 263 | 568 | 16 436 | 3 179 | 14 042 | 0 | 2 851 | |
| 2017 | 63 180 | 565 | 16 208 | 3 180 | 14 371 | 0 | 2 860 | |
| 2018 | 63 060 | 562 | 15 956 | 3 183 | 14 757 | 0 | 2 860 | |
| 2019 | 62 993 | 561 | 15 810 | 3 200 | 14 977 | 0 | 2 861 | |
| 2020 | 62 981 | 562 | 15 648 | 3 202 | 15 157 | 0 | 2 862 | |

## Land cover change

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

| | Tree-covered areas (km²) | Grasslands (km²) | Croplands (km²) | Wetlands (km²) | Artificial surfaces (km²) | Other Lands (km²) | Water bodies (km²) | Total (km²) |
|---|---|---|---|---|---|---|---|---|
| Tree-covered areas (km²) | | | | | | | | 0 |
| Grasslands (km²) | | | | | | | | 0 |
| Croplands (km²) | | | | | | | | 0 |
| Wetlands (km²) | | | | | | | | 0 |
| Artificial surfaces (km²) | | | | | | | | 0 |
| Other Lands (km²) | | | | | | | | 0 |
| Water bodies (km²) | | | | | | | | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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

| | Tree-covered areas (km²) | Grasslands (km²) | Croplands (km²) | Wetlands (km²) | Artificial surfaces (km²) | Other Lands (km²) | Water bodies (km²) | Total land area (km²) |
|---|---|---|---|---|---|---|---|---|
| Tree-covered areas (km²) | | | | | | | | 0 |
| Grasslands (km²) | | | | | | | | 0 |
| Croplands (km²) | | | | | | | | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

| | Tree-covered areas (km²) | Grasslands (km²) | Croplands (km²) | Wetlands (km²) | Artificial surfaces (km²) | Other Lands (km²) | Water bodies (km²) | Total land area (km²) |
|---|---|---|---|---|---|---|---|---|
| Wetlands (km²) | | | | | | | | 0 |
| Artificial surfaces (km²) | | | | | | | | 0 |
| Other Lands (km²) | | | | | | | | 0 |
| Water bodies (km²) | | | | | | | | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

## Land cover degradation

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

| | Area (km²) | Percent of total land area (%) |
|---|---|---|
| Land area with degraded land cover | | 0 .0 |
| Land area with non-degraded land cover | | 0 .0 |
| Land area with no land cover data | | 0 .0 |

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

| | Area (km²) | Percent of total land area (%) |
|---|---|---|
| Land area with improved land cover | | 0 .0 |
| Land area with stable land cover | | 0 .0 |
| Land area with degraded land cover | | 0 .0 |
| Land area with no land cover data | | 0 .0 |

## General comments

Sources: Statistical Year Book of Forestry from the Korea Forest Service (for tree-covered areas); Cadastral Statistics from the Ministry of Land, Infrastructure and Transport (for wetland, grassland, and artificial surfaces); Agricultural Area Survey from Statistics Korea (for cropland); 2021 National Greenhouse Gas Inventory Report of Korea. Please note that the data for grassland refer to pasture areas only, excluding natural grassland areas. The National Institute of Forest Science, the National Institute of Agricultural Sciences, and the National Institute of Animal Science also provided national data.

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

### Land productivity dynamics

SO1-2.T1: National estimates of land productivity dynamics (in km²) within each land cover class 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.

| 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.

| 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) |
| Tree-covered areas | Croplands | | | | | | |
| Croplands | Artificial surfaces | | | | | | |
| Grasslands | Artificial surfaces | | | | | | |
| Croplands | Tree-covered areas | | | | | | |

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.

| 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) |

| 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) |
| Tree-covered areas | Croplands | | | | | | |
| Croplands | Artificial surfaces | | | | | | |
| Grasslands | Artificial surfaces | | | | | | |
| Croplands | Tree-covered areas | | | | | | |

## Land Productivity degradation

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

| | Area (km²) | Percent of total land area (%) |
|---|---|---|
| Land area with degraded land productivity | | 0 .0 |
| Land area with non-degraded land productivity | | 0 .0 |
| Land area with no land productivity data | | 0 .0 |

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

| | Area (km²) | Percent of total land area (%) |
|---|---|---|
| Land area with improved land productivity | | 0 .0 |
| Land area with stable land productivity | | 0 .0 |
| Land area with degraded land productivity | | 0 .0 |
| Land area with no land productivity data | | 0 .0 |

## General comments

The ROK is in an early stage of developing data on land productivity and will provide data when national data are available. At the moment, we will have to remove the default data from the form as we do not have the national data available to verify them.

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

### Soil organic carbon stocks

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

| 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) |
| Croplands | Tree-covered areas | | - | - | | | 0 |
| Croplands | Artificial surfaces | | - | - | | | 0 |
| Grasslands | Artificial surfaces | | - | - | | | 0 |

| 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) |
| Tree-covered areas | Croplands | | - | - | | | 0 |

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

| 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) |
| Croplands | Tree-covered areas | | - | - | | | 0 |
| Grasslands | Artificial surfaces | | - | - | | | 0 |
| Tree-covered areas | Croplands | | - | - | | | 0 |
| Croplands | Artificial surfaces | | - | - | | | 0 |

## Soil organic carbon stock degradation

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

| | Area (km²) | Percent of total land area (%) |
|---|---|---|
| Land area with degraded soil organic carbon (SOC) | | 0 .0 |
| Land area with non-degraded SOC | | 0 .0 |
| Land area with no SOC data | | 0 .0 |

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

| | Area (km²) | Percent of total land area (%) |
|---|---|---|
| Land area with improved SOC | | 0 .0 |
| Land area with stable SOC | | 0 .0 |
| Land area with degraded SOC | | 0 .0 |
| Land area with no SOC data | | 0 .0 |

## General comments

The ROK is currently monitoring SOC as well as developing a national SOC database. Based on the currently available national data, the provided default values appear to be overestimated.

## SO1-4 Proportion of degraded land over the total land area

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

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 (%) |
|---|---|---|
| Baseline Period |  | 0 .0 |
| Reporting Period |  | 0 .0 |
| Change in degraded extent | 0 |  |

### Method

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

### 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:

### 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.

| Location Name | Type | Recode Options | Area (km²) | Process driving false +/- outcome | Basis for Judgement | Edit Polygon |
|---|---|---|---|---|---|---|

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

SO1-4.T4: Degradation hotspots

| Hotspots | Location | Area (km²) | Assessment Process | Direct drivers of land degradation hotspots | Action(s) taken to redress degradation in terms of Land Degradation Neutrality response hierarchy | Remediating action(s) (both forward-looking and current) | Edit Polygon |
|---|---|---|---|---|---|---|---|
| Total no. of hotspots | 0 |  |  |  |  |  |  |
| Total hotspot area | 0 |  |  |  |  |  |  |

What is/are the indirect driver(s) of land degradation at the national level?

1.
2.
3.
4.
5.

## SO1-4.T5: Improvement brightspots

| Brightspots | Location | Area (km²) | Assessment Process | What action(s) led to the brightspot in terms of the Land Degradation Neutrality hierarchy? | Implementing action(s) (both forward-looking and current) | Edit Polygon |
|---|---|---|---|---|---|---|
| Total no. of brightpots | | 0 | | | | |
| Total brightspot area | | 0 | | | | |

What are the enabling and instrumental responses at the national level driving the occurrence of brightspots?

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

## General comments

## SO1 Voluntary Targets

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

| Target | Year | Location(s) | Total Target Area (km²) | Overarching type of Land Degradation Neutrality (LDN) intervention | Targeted action(s) | Status of target achievement | Is this an LDN target? If so, under which process was it defined/adopted? | Which other important goals are also being addressed by this target? | Edit Polygon |
|--------|------|-------------|-------------------------|-------------------------------------------------------------------|--------------------|------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------|
| Total | | | Sum of all targeted areas 0 | | | | | | |

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

| Relevant Target | Implemented Action | Location (placename) | Action start date | Extent of action | Total Area Implemented So Far (km²) | Edit Polygon |
|-----------------|--------------------|-----------------------|-------------------|------------------|-------------------------------------|--------------|
| | | | | | Sum of all areas relevant to actions under the same target | |

General comments

## SO2-1 Trends in population living below the relative poverty line and/or income inequality in affected areas

### Relevant metric

Choose the metric that is relevant to your country:

( • ) Proportion of population below the international poverty line

( ) Income inequality (Gini Index)

Proportion of population below the international poverty line

SO2-1.T1: National estimates of the proportion of population below the international poverty line

| Year | Proportion of population below international poverty line (%) |
|---|---|
| 2 000 | |
| 2 001 | |
| 2 002 | |
| 2 003 | |
| 2 004 | |
| 2 005 | |
| 2 006 | |
| 2 007 | |
| 2 008 | |
| 2 009 | |
| 2 010 | |
| 2 011 | |
| 2 012 | |
| 2 013 | |
| 2 014 | |
| 2 015 | |
| 2 016 | |
| 2 017 | |
| 2 018 | |
| 2 019 | |
| 2 020 | |

### Qualitative assessment

SO2-1.T3: Interpretation of the indicator

| Indicator metric | Change in the indicator | Comments |
|---|---|---|

### General comments

## SO2-2 Trends in access to safe drinking water in affected areas

Proportion of population using safely managed drinking water services

SO2-2.T1: National estimates of the proportion of population using safely managed drinking water services

| Year | Urban (%) | Rural (%) | Total (%) |
|------|-----------|-----------|-----------|
| 2000 | | | |
| 2001 | | | |
| 2002 | | | |
| 2003 | | | |
| 2004 | | | |
| 2005 | | | |
| 2006 | | | |
| 2007 | | | |
| 2008 | | | |
| 2009 | | | |
| 2010 | | | |
| 2011 | | | |
| 2012 | | | |
| 2013 | | | |
| 2014 | | | |
| 2015 | | | |
| 2016 | | | |
| 2017 | | | |
| 2018 | | | |
| 2019 | | | |
| 2020 | | | |

Qualitative assessment

SO2-2.T2: Interpretation of the indicator

| Change in the indicator | Comments |
|-------------------------|----------|

General comments

## SO2-3 Trends in the proportion of population exposed to land degradation disaggregated by sex

### Proportion of the population exposed to land degradation disaggregated by sex

SO2-3.T1: National estimates of the proportion of population exposed to land degradation disaggregated by sex.

| Time period | Population exposed (count) | Percentage of total population exposed (%) | Female population exposed (count) | Percentage of total female population exposed (%) | Male population exposed (count) | Percentage of total male population exposed (%) |
|---|---|---|---|---|---|---|
| Baseline period | | 0 .0 | | 0 .0 | | 0 .0 |
| Reporting period | | 0 .0 | | 0 .0 | | 0 .0 |

### Qualitative assessment

SO2-3.T2: Interpretation of the indicator

| Change in the indicator | Comments |
|---|---|

### General comments

## SO2 Voluntary Targets

SO2-VT.T1

| Target | Year | Level of application | Status of target achievement | Comments |
|--------|------|---------------------|------------------------------|----------|

General comments

## SO3-1 Trends in the proportion of land under drought over the total land area

### Drought hazard indicator

SO3-1.T1: National estimates of the land area in each drought intensity class as defined by the Standardized Precipitation Index (SPI) or other nationally relevant drought indices

| | Drought intensity classes | | | | |
|---|---|---|---|---|---|
| | Mild drought (km²) | Moderate drought (km²) | Severe drought (km²) | Extreme drought (km²) | Non-drought (km²) |
| 2000 | | | | | |
| 2001 | | | | | |
| 2002 | | | | | |
| 2003 | | | | | |
| 2004 | | | | | |
| 2005 | | | | | |
| 2006 | | | | | |
| 2007 | | | | | |
| 2008 | | | | | |
| 2009 | | | | | |
| 2010 | | | | | |
| 2011 | | | | | |
| 2012 | | | | | |
| 2013 | | | | | |
| 2014 | | | | | |
| 2015 | | | | | |
| 2016 | | | | | |
| 2017 | | | | | |
| 2018 | | | | | |
| 2019 | | | | | |
| 2020 | | | | | |
| 2021 | | | | | |

SO3-1.T2: Summary table for land area under drought without class break down

| | Total area under drought (km²) | Proportion of land under drought (%) |
|---|---|---|
| 2000 | | 0.0 |
| 2001 | | 0.0 |
| 2002 | | 0.0 |
| 2003 | | 0.0 |
| 2004 | | 0.0 |
| 2005 | | 0.0 |
| 2006 | | 0.0 |
| 2007 | | 0.0 |
| 2008 | | 0.0 |
| 2009 | | 0.0 |
| 2010 | | 0.0 |
| 2011 | | 0.0 |

SO-3: To mitigate, adapt to, and manage the effects of drought in order to enhance resilience of vulnerable populations and ecosystems.

|  | Total area under drought (km²) | Proportion of land under drought (%) |
|---|---|---|
| 2012 | | 0 .0 |
| 2013 | | 0 .0 |
| 2014 | | 0 .0 |
| 2015 | | 0 .0 |
| 2016 | | 0 .0 |
| 2017 | | 0 .0 |
| 2018 | | 0 .0 |
| 2019 | | 0 .0 |
| 2020 | | - |
| 2021 | | - |

Qualitative assessment:

General comments

## SO3-2 Trends in the proportion of the population exposed to drought

### Drought exposure indicator

Exposure is defined in terms of the number of people who are exposed to drought as calculated from the SO3-1 indicator data.

SO3-2.T1: National estimates of the percentage of the total population within each drought intensity class as well as the total population count and the proportion of the national population exposed to drought regardless of intensity.

| Reporting year | Non-exposed | | Mild drought | | Moderate drought | | Severe drought | | Extreme drought | | Exposed population | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Population count | % | Population count | % | Population count | % | Population count | % | Population count | % | Population count | % |
| 2000 | | - | | - | | - | | - | | - | 0 | - |
| 2001 | | - | | - | | - | | - | | - | 0 | - |
| 2002 | | - | | - | | - | | - | | - | 0 | - |
| 2003 | | - | | - | | - | | - | | - | 0 | - |
| 2004 | | - | | - | | - | | - | | - | 0 | - |
| 2005 | | - | | - | | - | | - | | - | 0 | - |
| 2006 | | - | | - | | - | | - | | - | 0 | - |
| 2007 | | - | | - | | - | | - | | - | 0 | - |
| 2008 | | - | | - | | - | | - | | - | 0 | - |
| 2009 | | - | | - | | - | | - | | - | 0 | - |
| 2010 | | - | | - | | - | | - | | - | 0 | - |
| 2011 | | - | | - | | - | | - | | - | 0 | - |
| 2012 | | - | | - | | - | | - | | - | 0 | - |
| 2013 | | - | | - | | - | | - | | - | 0 | - |
| 2014 | | - | | - | | - | | - | | - | 0 | - |
| 2015 | | - | | - | | - | | - | | - | 0 | - |
| 2016 | | - | | - | | - | | - | | - | 0 | - |
| 2017 | | - | | - | | - | | - | | - | 0 | - |
| 2018 | | - | | - | | - | | - | | - | 0 | - |
| 2019 | | - | | - | | - | | - | | - | 0 | - |
| 2020 | | - | | - | | - | | - | | - | - | - |
| 2021 | | - | | - | | - | | - | | - | - | - |

SO3-2.T2: National estimates of the percentage of the female population within each drought intensity class.

| Reporting year | Non-exposed | | Mild drought | | Moderate drought | | Severe drought | | Extreme drought | | Exposed female population | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Population count | % | Population count | % | Population count | % | Population count | % | Population count | % | Population count | % |
| 2000 | | - | | - | | - | | - | | - | 0 | - |
| 2001 | | - | | - | | - | | - | | - | 0 | - |
| 2002 | | - | | - | | - | | - | | - | 0 | - |
| 2003 | | - | | - | | - | | - | | - | 0 | - |
| 2004 | | - | | - | | - | | - | | - | 0 | - |
| 2005 | | - | | - | | - | | - | | - | 0 | - |
| 2006 | | - | | - | | - | | - | | - | 0 | - |
| 2007 | | - | | - | | - | | - | | - | 0 | - |

| Reporting year | Non-exposed | | Mild drought | | Moderate drought | | Severe drought | | Extreme drought | | Exposed female population | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Population count | % | Population count | % | Population count | % | Population count | % | Population count | % | Population count | % |
| 2008 | | - | | - | | - | | - | | - | 0 | - |
| 2009 | | - | | - | | - | | - | | - | 0 | - |
| 2010 | | - | | - | | - | | - | | - | 0 | - |
| 2011 | | - | | - | | - | | - | | - | 0 | - |
| 2012 | | - | | - | | - | | - | | - | 0 | - |
| 2013 | | - | | - | | - | | - | | - | 0 | - |
| 2014 | | - | | - | | - | | - | | - | 0 | - |
| 2015 | | - | | - | | - | | - | | - | 0 | - |
| 2016 | | - | | - | | - | | - | | - | 0 | - |
| 2017 | | - | | - | | - | | - | | - | 0 | - |
| 2018 | | - | | - | | - | | - | | - | 0 | - |
| 2019 | | - | | - | | - | | - | | - | 0 | - |
| 2020 | | - | | - | | - | | - | | - | - | - |
| 2021 | | - | | - | | - | | - | | - | - | - |

SO3-2.T3: National estimates of the percentage of the male population within each drought intensity class.

| Reporting year | Non-exposed | | Mild drought | | Moderate drought | | Severe drought | | Extreme drought | | Exposed male population | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Population count | % | Population count | % | Population count | % | Population count | % | Population count | % | Population count | % |
| 2000 | | - | | - | | - | 0 | - | 0 | - | 0 | - |
| 2001 | | - | | - | | - | | - | | - | 0 | - |
| 2002 | | - | | - | | - | | - | 0 | - | 0 | - |
| 2003 | | - | | - | | - | | - | 0 | - | 0 | - |
| 2004 | | - | | - | | - | | - | 0 | - | 0 | - |
| 2005 | | - | | - | | - | | - | 0 | - | 0 | - |
| 2006 | | - | | - | | - | | - | 0 | - | 0 | - |
| 2007 | | - | | - | | - | | - | 0 | - | 0 | - |
| 2008 | | - | | - | | - | | - | | - | 0 | - |
| 2009 | | - | | - | | - | | - | 0 | - | 0 | - |
| 2010 | | - | | - | | - | | - | 0 | - | 0 | - |
| 2011 | | - | | - | | - | | - | 0 | - | 0 | - |
| 2012 | | - | | - | | - | | - | 0 | - | 0 | - |
| 2013 | | - | | - | | - | | - | | - | 0 | - |
| 2014 | | - | | - | | - | | - | | - | 0 | - |
| 2015 | | - | | - | | - | | - | | - | 0 | - |
| 2016 | | - | | - | | - | | - | | - | 0 | - |
| 2017 | | - | | - | | - | | - | | - | 0 | - |
| 2018 | | - | | - | | - | | - | | - | 0 | - |
| 2019 | | - | | - | | - | | - | | - | 0 | - |
| 2020 | | - | | - | | - | | - | | - | - | - |
| 2021 | | - | | - | | - | | - | | - | - | - |

## Qualitative assessment

### Interpretation of the indicator

## General comments

## SO3-3 Trends in the degree of drought vulnerability

### Drought Vulnerability Index

SO3-3.T1: National estimates of the Drought Vulnerability Index

| Year | Total country-level DVI value (tier 1) | Male DVI value (tiers 2 and 3 only) | Female DVI value (tiers 2 and 3 only) |
|------|----------------------------------------|-------------------------------------|---------------------------------------|
| 2000 | | | |
| 2001 | | | |
| 2002 | | | |
| 2003 | | | |
| 2004 | | | |
| 2005 | | | |
| 2006 | | | |
| 2007 | | | |
| 2008 | | | |
| 2009 | | | |
| 2010 | | | |
| 2011 | | | |
| 2012 | | | |
| 2013 | | | |
| 2014 | | | |
| 2015 | | | |
| 2016 | | | |
| 2017 | | | |
| 2018 | 0 .32 | | |
| 2019 | | | |
| 2020 | | | |
| 2021 | | | |

### Method

Which tier level did you use to compute the DVI?

☐ Tier 1 Vulnerability Assessment ⓘ
☐ Tier 2 Vulnerability Assessment ⓘ
☐ Tier 3 Vulnerability Assessment ⓘ

### Qualitative assessment

SO3-3.T2: Interpretation of the indicator

| | Change in the indicator | Comments |
|---|---|---|

### General comments

## SO3 Voluntary Targets

SO3-VT.T1

| Target | Year | Level of application | Status of target achievement | Comments |
|--------|------|----------------------|------------------------------|----------|

General comments

# SO4-1 Trends in carbon stocks above and below ground

## Soil organic carbon stocks

Trends in carbon stock above and below ground is a multi-purpose indicator used to measure progress towards both strategic objectives 1 and 4. Quantitative data and a qualitative assessment of trends in this indicator are reported under strategic objective 1, progress indicator SO1-3.

## SO4-2 Trends in abundance and distribution of selected species

SO4-2.T1: National estimates of the Red List Index of species survival

| Year | Red List Index | Lower Bound | Upper Bound | Comment |
|------|----------------|-------------|-------------|---------|
| 2000 | | | | |
| 2001 | | | | |
| 2002 | | | | |
| 2003 | | | | |
| 2004 | | | | |
| 2005 | | | | |
| 2006 | | | | |
| 2007 | | | | |
| 2008 | | | | |
| 2009 | | | | |
| 2010 | 0 | | | |
| 2011 | | | | |
| 2012 | | | | |
| 2013 | | | | |
| 2014 | | | | |
| 2015 | | | | |
| 2016 | | | | |
| 2017 | | | | |
| 2018 | | | | |
| 2019 | | | | |
| 2020 | | | | |

### Qualitative assessment

SO4-2.T2: Interpretation of the indicator

| Change in the indicator | Drivers: Direct (Choose one or more items) | Drivers: Indirect (Choose one or more items) | Which levers are being used to reverse negative trends and enable transformative change? | Responses that led to positive RLI trends | Comments |
|---|---|---|---|---|---|
| | | | | | |

### General comments

## SO4-3 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type

SO4-3.T1: National estimates of the average proportion of Terrestrial KBAs covered by protected areas (%)

| Year | Protected Areas Coverage(%) | Lower Bound | Upper Bound | Comments |
|------|------------------------------|-------------|-------------|----------|
| 2000 | | | | |
| 2001 | | | | |
| 2002 | | | | |
| 2003 | | | | |
| 2004 | | | | |
| 2005 | | | | |
| 2006 | | | | |
| 2007 | | | | |
| 2008 | | | | |
| 2009 | | | | |
| 2010 | | | | |
| 2011 | | | | |
| 2012 | | | | |
| 2013 | | | | |
| 2014 | | | | |
| 2015 | | | | |
| 2016 | | | | |
| 2017 | | | | |
| 2018 | | | | |
| 2019 | | | | |
| 2020 | | | | |

### Qualitative assessment

SO4-3.T2: Interpretation of the indicator

| Qualitative Assessment | Comment |
|------------------------|---------|

### General comments

## SO4 Voluntary Targets

### SO4-VT.T1

| Target | Year | Level of application | Status of target achievement | Comments |
| --- | --- | --- | --- | --- |

Complementary information

## SO5-1 Bilateral and multilateral public resources

### Tier 1: Please provide information on the international public resources provided and received for the implementation of the Convention, including information on trends.

Trends in international bilateral and multilateral public resources provided

- ◉ Up ↑
- ○ Stable ←→
- ○ Down ↓
- ○ Unknown ∾

Trends in international bilateral and multilateral public resources received

- ○ Up ↑
- ○ Stable ←→
- ○ Down ↓
- ○ Unknown ∾

Tier 2: Table 1 Financial resources provided and received

| Provided / Received | Year | Total Amount USD | |
| --- | --- | --- | --- |
| | | Committed | Disbursed / Received |
| Provided | 2016 | Committed | Disbursed |
| Provided | 2017 | Committed | Disbursed |
| Provided | 2018 | Committed | Disbursed |
| Provided | 2019 | Committed | Disbursed |
| Received | 2016 | Committed | Received |
| Received | 2017 | Committed | Received |
| Received | 2018 | Committed | Received |
| Received | 2019 | Committed | Received |
| Total resources provided: | | 0 | 0 |
| Total resources received: | | 0 | 0 |

### Documentation box

| | Explanation |
| --- | --- |
| Year | |
| Recipient / Provider | |
| Title of project, programme, activity or other | |
| Total Amount USD | |
| Sector | |
| Capacity Building | |
| Technology Transfer | |
| Gender Equality | |
| Channel | |
| Type of flow | |
| Financial Instrument | |
| Type of support | |
| Amount mobilised through public interventions | |

|  | Explanation |
| --- | --- |
| Additional Information | |

General comments

|  | Explanation |
| --- | --- |
| Additional Information | |

General comments

## SO5-2 Domestic public resources

### Tier 1: Please provide information on the domestic public expenditures, including subsidies, and revenues, including taxes, directly and indirectly related to the implementation of the Convention, including information on trends.

Trends in domestic public expenditures and national level financing for activities relevant to the implementation of the Convention

○ Up ↑

○ Stable ←→

○ Down ↓

○ Unknown ∞

Trends in domestic public revenues from activities related to the implementation of the Convention

○ Up ↑

○ Stable ←→

○ Down ↓

○ Unknown ∞

### Tier 2: Table 2 Domestic public resources

|  | Year | Amounts | Additional Information |
|---|---|---|---|
| Government expenditures |  |  |  |
| Directly related to combat DLDD |  |  |  |
| Indirectly related to combat DLDD |  |  |  |
| Subsidies |  |  |  |
| Subsidies related to combat DLDD |  |  |  |
| Total expenditures / total per year |  |  |  |

|  | Year | Amounts | Additional Information |
|---|---|---|---|
| Government revenues |  |  |  |
| Environmental taxes for the conservation of land resources and taxes related to combat DLDD |  |  |  |
| Total revenues / total per year |  |  |  |

### Documentation box

|  | Explanation |
|---|---|
| Government expenditures |  |
| Subsidies |  |
| Government revenues |  |
| Domestic resources directly or indirectly related to combat DLDD |  |

Has your country set a target for increasing and mobilizing domestic resources for the implementation of the Convention?

○ Yes

○ No

### General comments

## SO5-3 International and domestic private resources

### Tier 1: Please provide information on the international and domestic private resources mobilized by the private sector of your country for the implementation of the Convention, including information on trends.

Trends in international private resources

○ Up ↑

○ Stable ←→

○ Down ↓

○ Unknown ∞

Trends in domestic private resources

○ Up ↑

○ Stable ←→

○ Down ↓

○ Unknown ∞

### Tier 2: Table 3 International and domestic private resources

| Year | Title of project, programme, activity or other | Total Amount USD | Financial Instrument | Type of institution | Recipient | Additional Information |
|------|------------------------------------------------|------------------|----------------------|---------------------|-----------|------------------------|
|      | Total                                          | 0                |                      |                     |           |                        |

Please provide methodological information relevant to data presented in table 3

Has your country taken measures to encourage the private sector as well as non-governmental organizations, foundations and academia to provide international and domestic resources for the implementation of the Convention?

General comments

## SO5-4 Technology transfer

Tier 1: Please provide information relevant to the resources provided, received for the transfer of technology for the implementation of the Convention, including information on trends.

Trends in international bilateral and multilateral public resources provided

○ Up ↑

○ Stable ←—→

○ Down ↓

○ Unknown ∞

Trends in international bilateral and multilateral public resources received

○ Up ↑

○ Stable ←—→

○ Down ↓

○ Unknown ∞

Tier 2: Table 4 Resources provided and received for technology transfer measures or activities

| Provided Received | Year | Title of project, programme, activity or other | Amount | Recipient Provider | Description and objectives | Sector | Type of technology | Activities undertaken by | Status of measure or activity | Timeframe of measure or activity | Use, impact and estimated results | Additional Information |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total provided: | | | 0 | | | Total received: | | 0 | | | | |

Please provide methodological information relevant to data presented in table 4

Include information on underlying assumptions, definitions and methodologies used to identify and report on technology transfer support provided and/or received and/or required. Please include links to relevant documentation.

Please provide information on the types of new or current technologies required by your country to address desertification, land degradation and drought (DLDD), and the challenges encountered in acquiring or developing such technologies.

General comments

## SO5-5 Future support for activities related to the implementation of the Convention

### SO5-5.1: Planned provision and mobilization of domestic public and private resources

Please provide information relevant to the planned provision and mobilization of domestic resources for the implementation of the Convention, including information relevant to indicator SO5-2, as well as information on projected levels of public financial resources, target sectors and planned domestic policies.

### SO5-5.2: Planned provision and mobilization of international public and private resources

Please provide information relevant to the planned provision and mobilization of international resources for the implementation of the Convention, including information on projected levels of public financial resources and support to capacity building and transfer of technology, target regions or countries, and planned programmes, policies and priorities.

### SO5-5.3: Resources needed

Please provide information relevant to the financial resources needed for the implementation of the Convention, including on the projects and regions which needs most support and on which your country has focused to the greatest extent.

### General comments

## Financial and Non-Financial Sources

### Increasing the mobilization of resources:

Would you like to share an experience on how your country has increased the mobilization of resources within the reporting period?

○ Yes

○ No

### Using Land Degradation Neutrality as a framework to increase investment:

From your perspective, would you consider that you have taken advantage of the LDN concept to enhance the coherence, effectiveness and multiple benefits of investments?

○ Yes

○ No

### Improving existing and/or innovative financial processes and institutions

From your perspective, do you consider that your country has improved the use of existing and/or innovative financial processes and institutions?

○ Yes

○ No

## Policy and Planning

### Action Programmes:

Has your country developed or helped develop, implement, revise or regularly monitor your national action programme?

○ Yes
○ No

### Policies and enabling environment:

During the reporting period, has your country established or helped establish policies and enabling environments to promote and/or implement solutions to combat desertification/land degradation and mitigate the effects of drought?

○ Yes
○ No

### Synergies:

From your perspective, has your country leveraged synergies and integrated DLDD into national plans related to other MEAs, particularly the other Rio Conventions and other international commitments?

○ Yes
○ No

### Mainstreaming desertification, land degradation and drought:

From your perspective, did your country take specific actions to mainstream, DLDD in economic, environmental and social policies, with a view to increasing the impact and effectiveness of the implementation of the Convention?

○ Yes
○ No

### Drought-related policies:

Has your country established or is your country establishing national policies, measures and governance for drought preparedness and management?

○ Yes
○ No

Has your country supported other countries in establishing policies, measures and governance for drought preparedness and management, in accordance with the mandate of the Convention?

○ Yes
○ No

## Action on the Ground

### Sustainable land management practices:

Has your country implemented or is your country implementing sustainable land management (SLM) practices to address DLDD?

○ Yes

○ No

Has your country supported other countries in the implementation of SLM practices?

○ Yes

○ No

### Restoration and Rehabilitation:

Has your country implemented or is your country implementing restoration and rehabilitation practices in order to assist with the recovery of ecosystem functions and services?

○ Yes

○ No

### Drought risk management and early warning systems:

Is your country developing a drought risk management plan, monitoring or early warning systems and safety net programmes to address DLDD?

○ Yes

○ No

Has your country supported other countries in developing drought risk management, monitoring and early warning systems and safety net programmes to address DLDD?

○ Yes

○ No

### Alternative livelihoods:

Does your country promote alternative livelihoods practice in the context of DLDD?

○ Yes

○ No

Do you consider your country to be taking special measures to engage women and youth in promoting alternative livelihoods?

○ Yes

○ No

### Establishing knowledge sharing systems:

Has your country established systems for sharing information and knowledge and facilitating networking on best practices and approaches to drought management?

○ Yes

○ No

Do you consider that your country has implemented specific actions that promote women's access to knowledge and technology?
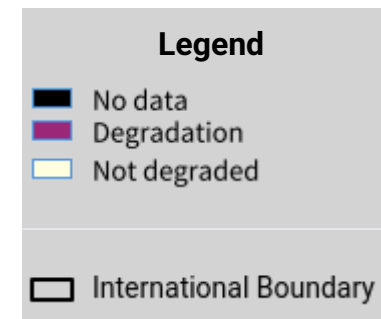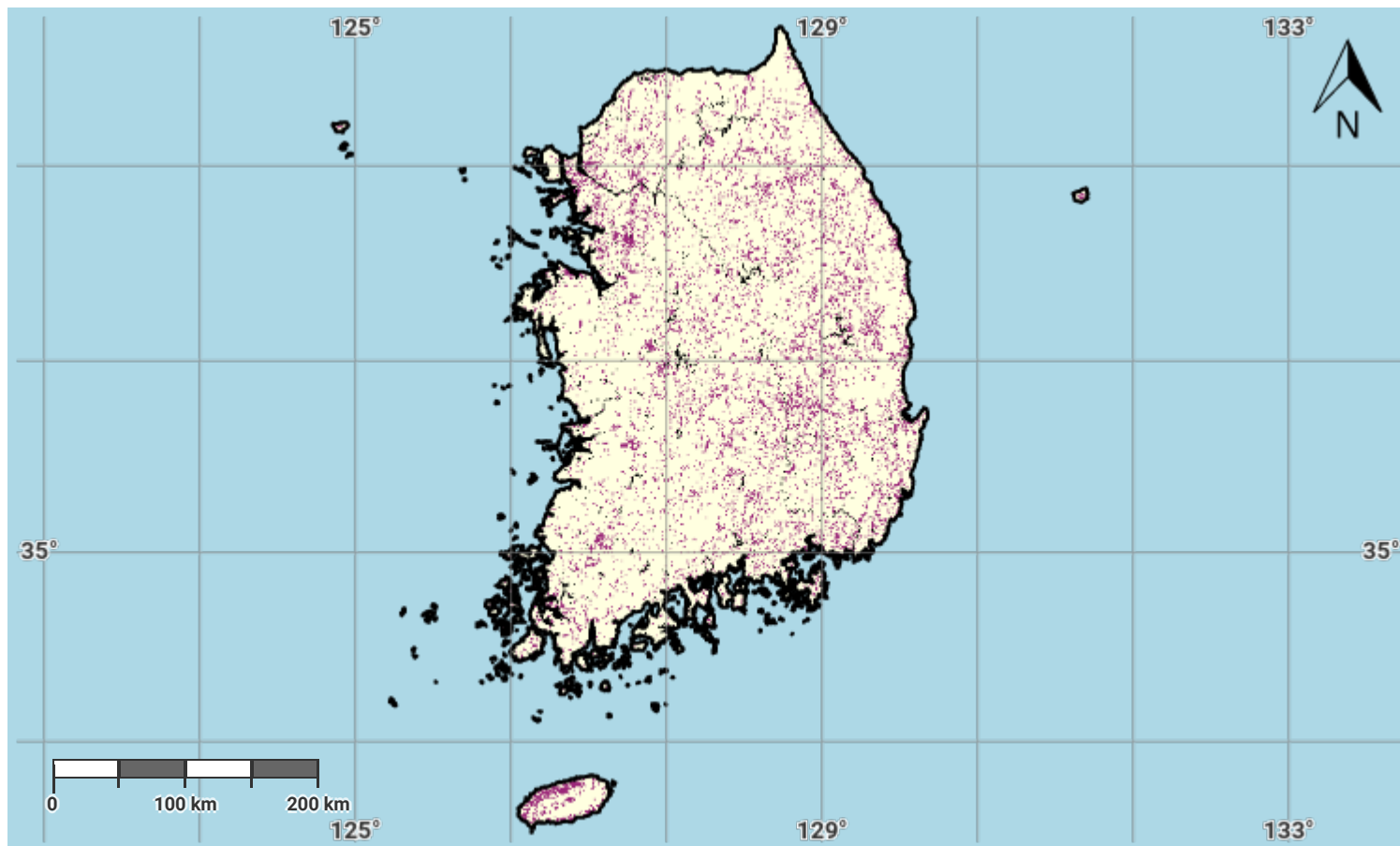
○ Yes

○ No

## Other files for Reporting

| | | |
|---|---|---|
| Republic of Korea - SO5-1 provider | Download | 44.6 KB |

# Republic of Korea – SO1-4.M2

## Proportion of land that is degraded over total land area (SDG Indicator 15.3.1) in the reporting period



**Legend**

- ■ No data
- ■ Degradation
- □ Not degraded

- ▭ International Boundary

Projection: EPSG:3857 (Web Mercator)

**Disclaimer**

The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Convention to Combat Desertification (UNCCD) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. All maps represent the terrestrial area of the country; offshore islands, overseas departments and territories may not be displayed due to cartographic limitations.

**Source Data Credits**

- United Nations Clear Map, United Nations Geospatial.
- Derived based on the methodology in the Good Practice Guidance Version 2 for Sustainable Development Goal (SDG) indicator 15.3.1 - Proportion of land that is degraded over total land area. URL: https://www.unccd.int/publications/good-practice-guidance-sdg-indicator-1531-proportion-land-degraded-over-total-land