

# EO 4 Ecosystem Accounting 2022



## EO for the UNCCD 2018-2030 Strategic Framework

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Convention to Combat  
Desertification

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→ THE EUROPEAN SPACE AGENCY

# UNCCD 2018-2030 Strategic Framework



**VISION:** A future that avoids, minimizes, and reverses desertification/land degradation and mitigates the effects of drought in affected areas at all levels and strive to achieve a land degradation-neutral world consistent with the 2030 Agenda for Sustainable Development, within the scope of the Convention.

## Strategic Objectives

SO1

To improve the **condition of affected ecosystems**, combat desertification/land degradation, promote sustainable land management and contribute to land degradation neutrality

SO2

To improve the **living conditions of affected populations**

SO3

To mitigate, adapt to, and manage the effects of **drought** in order to enhance resilience of vulnerable populations and ecosystems

SO4

To generate **global environmental benefits** through effective implementation of the UNCCD

SO5

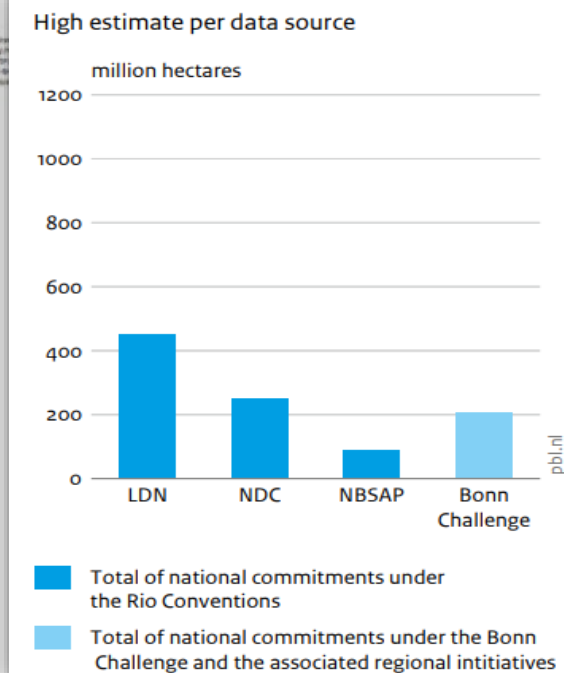
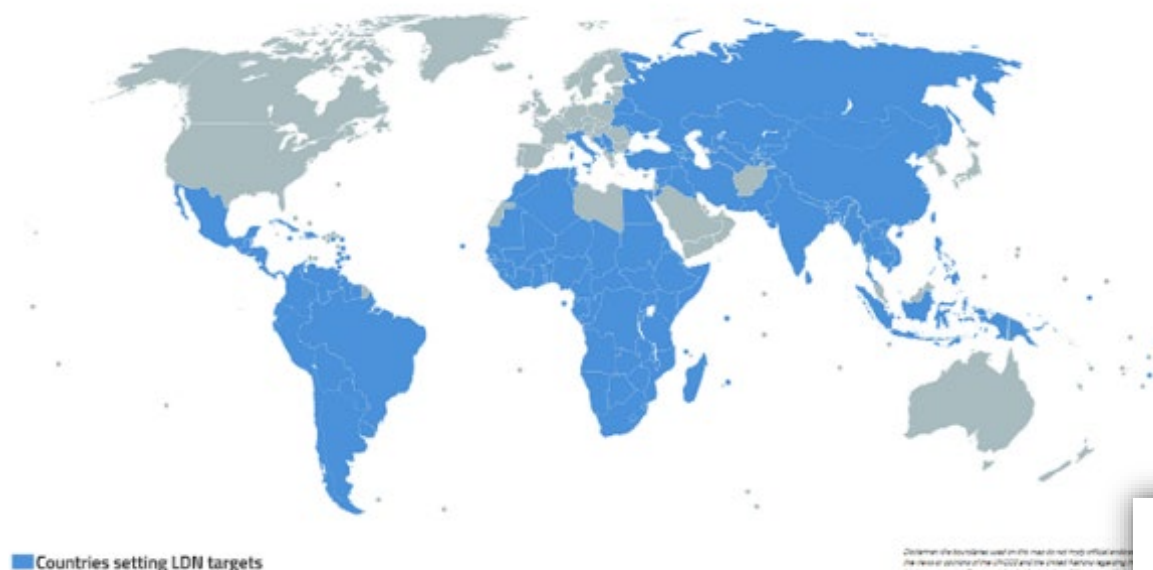
To mobilize substantial and additional **financial and non-financial resources** to support the implementation of the Convention by building effective partnerships at global and national level



# Land Degradation Neutrality (LDN) targets

## LDN Target Setting Programme:

- **129** participating countries
- **107** countries having set their voluntary targets
- **72** countries having officially adopted their LDN targets through high-level government commitments
- **450 million hectares** committed by governments thus far



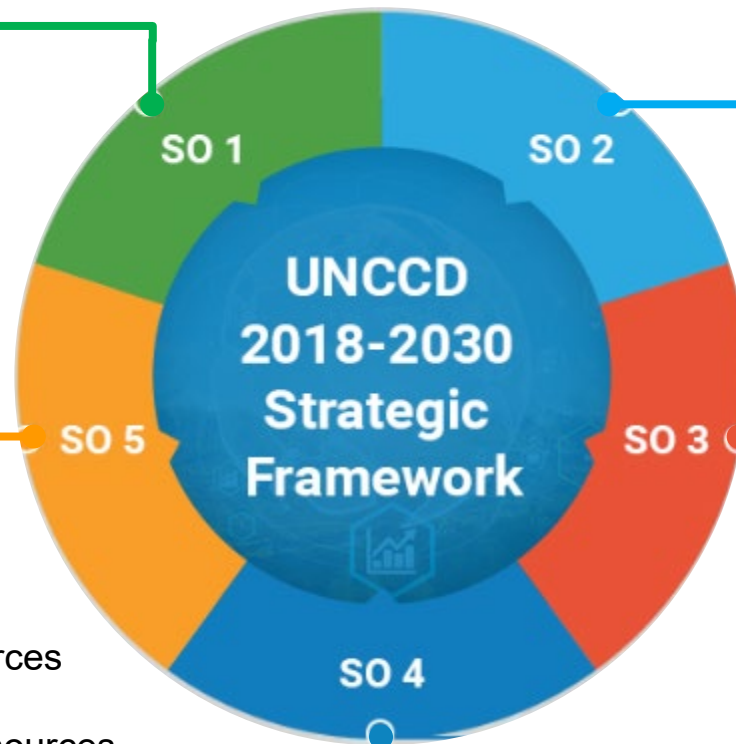
# UNCCD Indicator Framework

## Trends in:

- Land cover
- Land productivity
- Carbon stocks above and below ground
- **SDG indicator 15.3.1 – Proportion of land that is degraded over total land area**

## Trends in:

- Bilateral and multilateral public resources
- Domestic public resources
- International and domestic private resources
- Technology transfer
- Future support for activities related to the implementation of the Convention



## Trends in:

- Population living below the relative poverty line and/or income inequality in affected areas
- Access to safe drinking water in affected areas
- Proportion of the population exposed to land degradation, disaggregated by sex

## Trends in:

- Proportion of land under drought over the total land area
- Proportion of the total population exposed to drought
- Degree of drought vulnerability

## Trends in:

- Carbon stocks above and below ground
- Abundance and distribution of selected species
- Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type

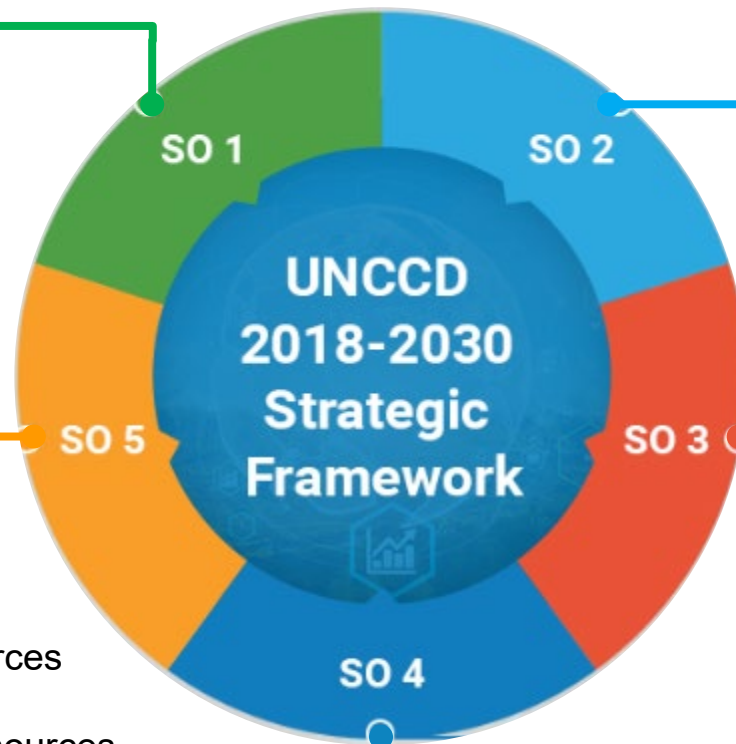
# EO for the UNCCD Indicators

## Trends in:

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- **SDG indicator 15.3.1 – Proportion of land that is degraded over total land area**

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- Access to safe drinking water in affected areas
- **Proportion of the population exposed to land degradation, disaggregated by sex**

## Trends in:

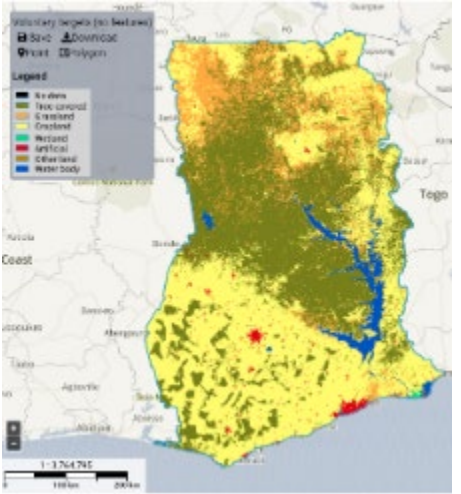
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# SDG Indicator 15.3.1 – Proportion of degraded land



LAND  
COVER

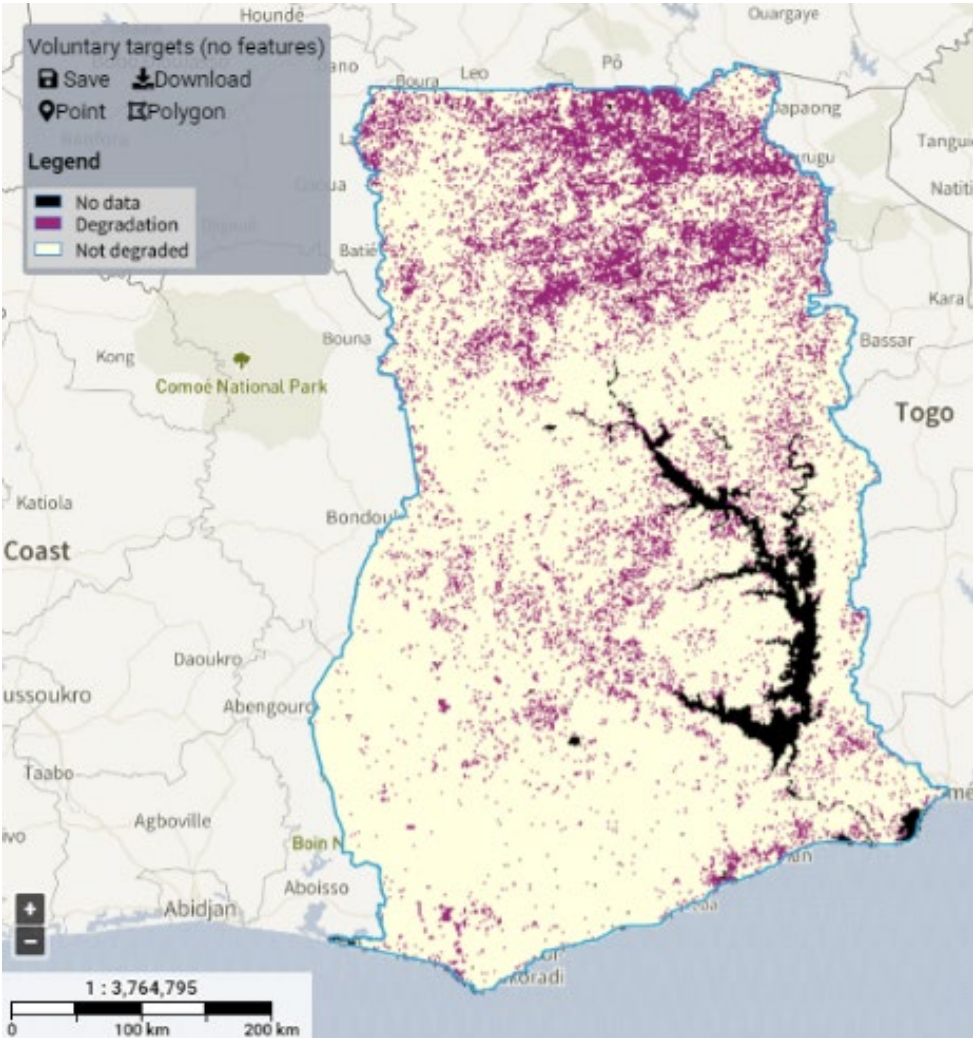


SOIL  
ORGANIC  
CARBON

Tier 1

“ONE OUT  
ALL OUT”

SDG 15.3.1

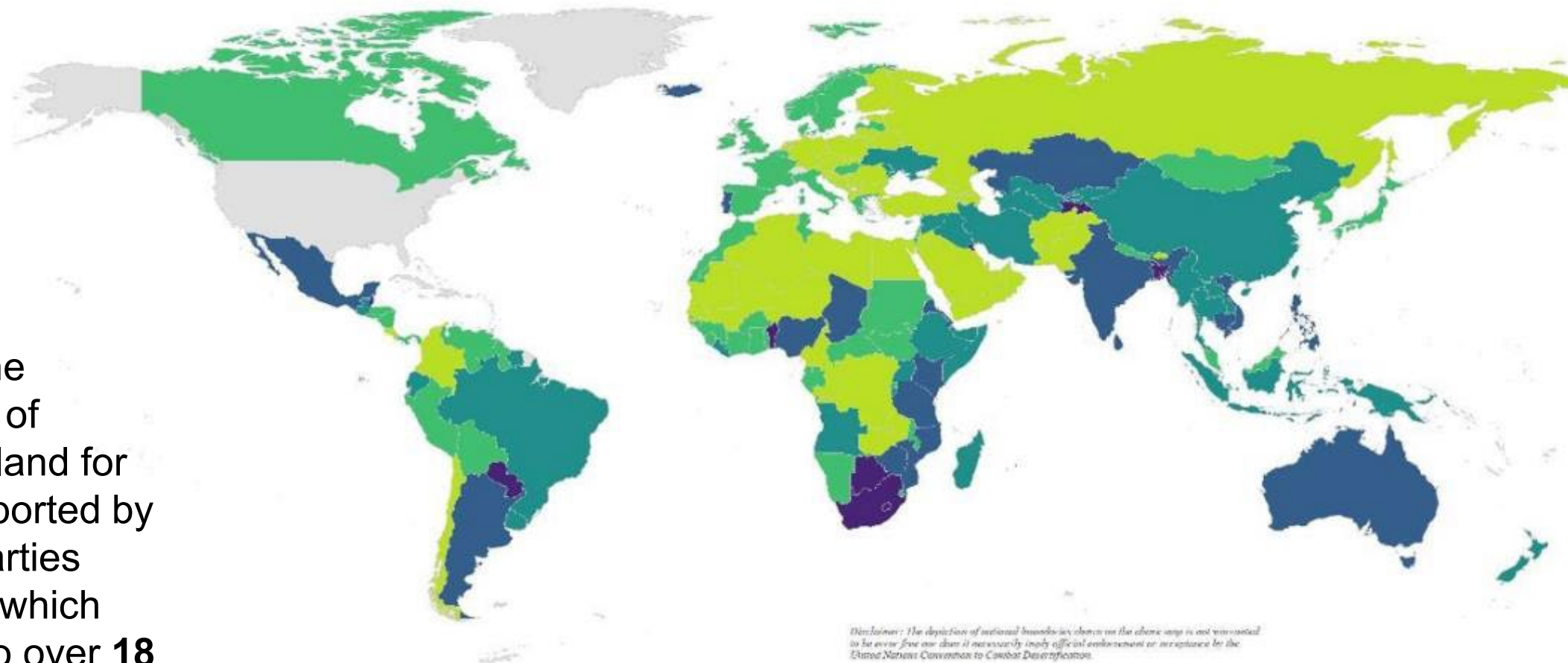


# Outcomes



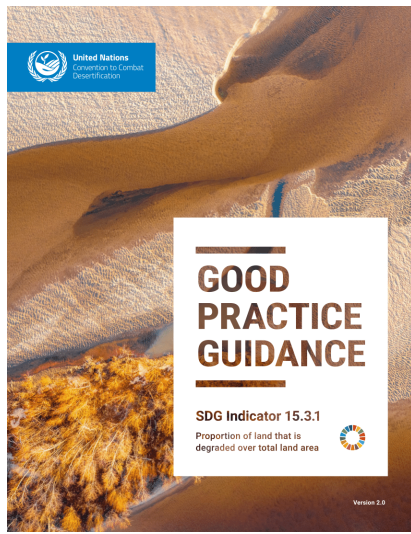
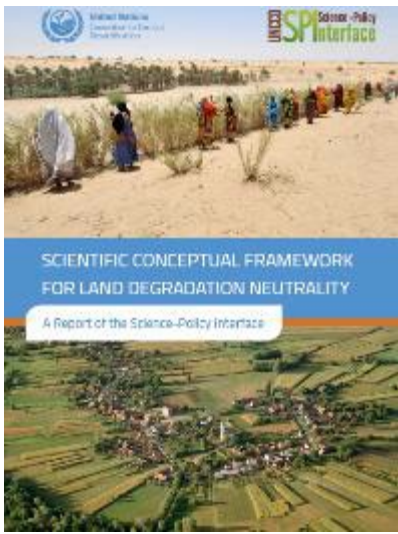
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In 2018, the proportion of degraded land for all land reported by country Parties was **20%**, which amounts to over **18 million km<sup>2</sup>**





METHODOLOGY

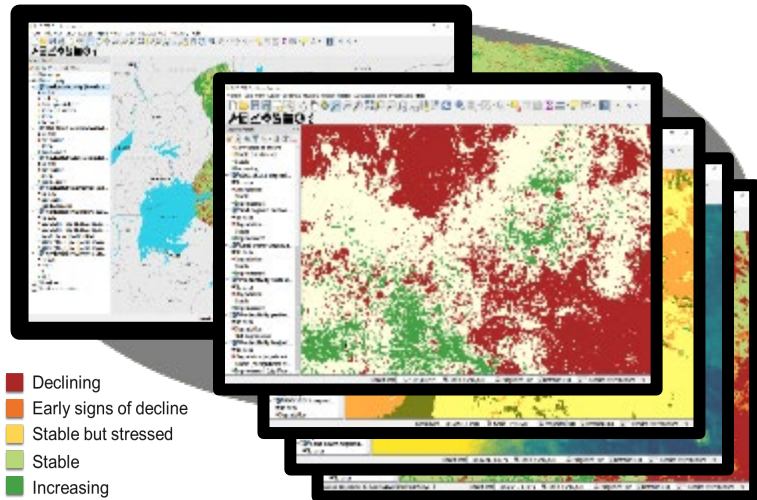
TOOLS

Key Enablers

DEFAULT DATA

CAPACITY BUILDING

**TRENDS.EARTH**





# Opportunities and Challenges

## Opportunities



- Quasi-global data
- Comparability across countries
- Regular and repeatable observations
- Cost-effectiveness
- Cloud-based solutions

## Challenges



- Limited national ownership
- Limited technical expertise in countries (digital literacy)
- Difficulties in accessing and processing large amounts of data
- Restrictive data policies
- Inconsistent estimates from different data products
- Lack of multi-decadal high-resolution products

# Growing support from the EO community



- ...is a **stakeholder-driven and user-centered initiative** with a clear policy mandate from UNCCD
- ...helps national and local actors in all countries **use EO to plan, implement and monitor LDN**
- ... is highly **collaborative** (consensus-based, open access, open source, common core methods/standards)





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**Thank you!**

**[www.unccd.int](http://www.unccd.int)**



**@UNCCD**