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Using spatial data to support policy alignment



# Policy alignment in CBD COP15 Decisions

- GBF Target 14 emphasizes the need to: *"Ensure the **full integration of biodiversity** and its multiple values into policies, regulations, planning and development processes, poverty eradication strategies, strategic environmental assessments, environmental impact assessments and, as appropriate, national accounting, within and across all levels of government and across all sectors."*
- Decision 15/6 states that: *"synergies among NBSAPs and the planning and implementation mechanisms of the other biodiversity-related conventions, Rio Conventions and other relevant multilateral environmental agreements (MEAs), and the Sustainable Development Goals (SDGs) should be identified and utilized to maximize efficiency and coherence."*



**THE BIODIVERSITY PLAN**  
For Life on Earth

# Spatial data as a tool for policy alignment

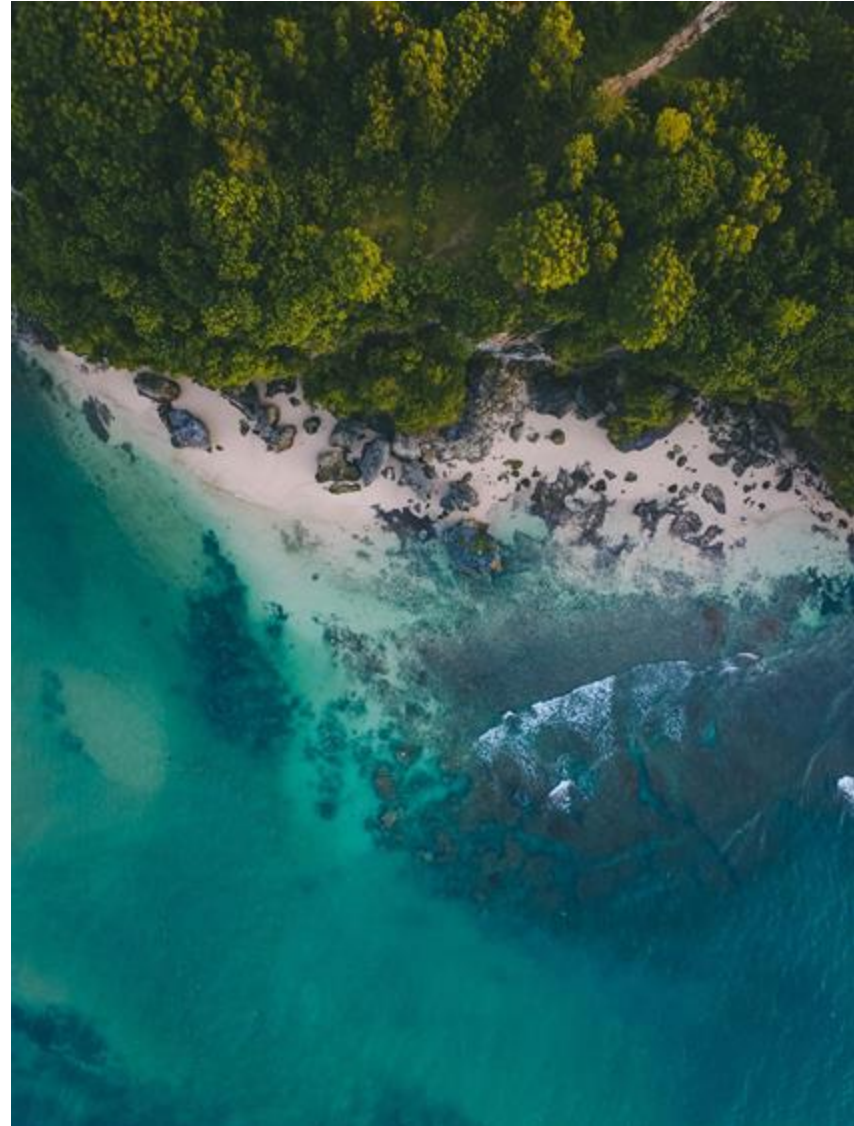
Spatial data can provide a foundation to support NBSAP planning, monitoring, and reporting by enabling countries to:

- Identify where nature-based actions can have impact across multiple policy commitments
- Make data-driven decisions
- More accurately monitor progress towards their commitments for nature



# Gaps in spatial data usage

- GEF-eligible Parties commonly find that spatial data are: **inaccessible, unusable, or not nationally validated**, and that **governments may lack the capacity to integrate them into policymaking**.
- This 'data gap' diminishes national efforts to safeguard nature and related ecosystem services.





# Support for using spatial data for policy coherence

## UN Biodiversity Lab



Integrated Spatial Planning Workbook



Integrated Spatial Planning E-learning course



# National spatial dossiers for policy alignment

- **What:** Portfolio of 23 national maps created using global datasets based on UNDP's work to use spatial data for prioritization for policy alignment
- **How to use:** Identify areas to implement nature-based strategies that can support desired outcomes across MEAs





# Themes addressed in the dossiers

1. Ecosystem integrity & conservation
2. Species conservation
3. Food security
4. Water security
5. Land degradation neutrality
6. Climate change mitigation
7. Disaster risk reduction & climate adaptation
8. Urban health
9. Jobs, livelihood, and green recovery
10. Sustainable forest management

→ The maps offered in these dossiers are designed to support the achievement of global targets across four internationally negotiated agreements: **the GBF, Agenda 2030 on Sustainable Development, the Paris Agreement, and the Sendai Framework.**

# Example policy alignment for a theme: Ecosystem integrity & conservation



## Related CBD Targets:

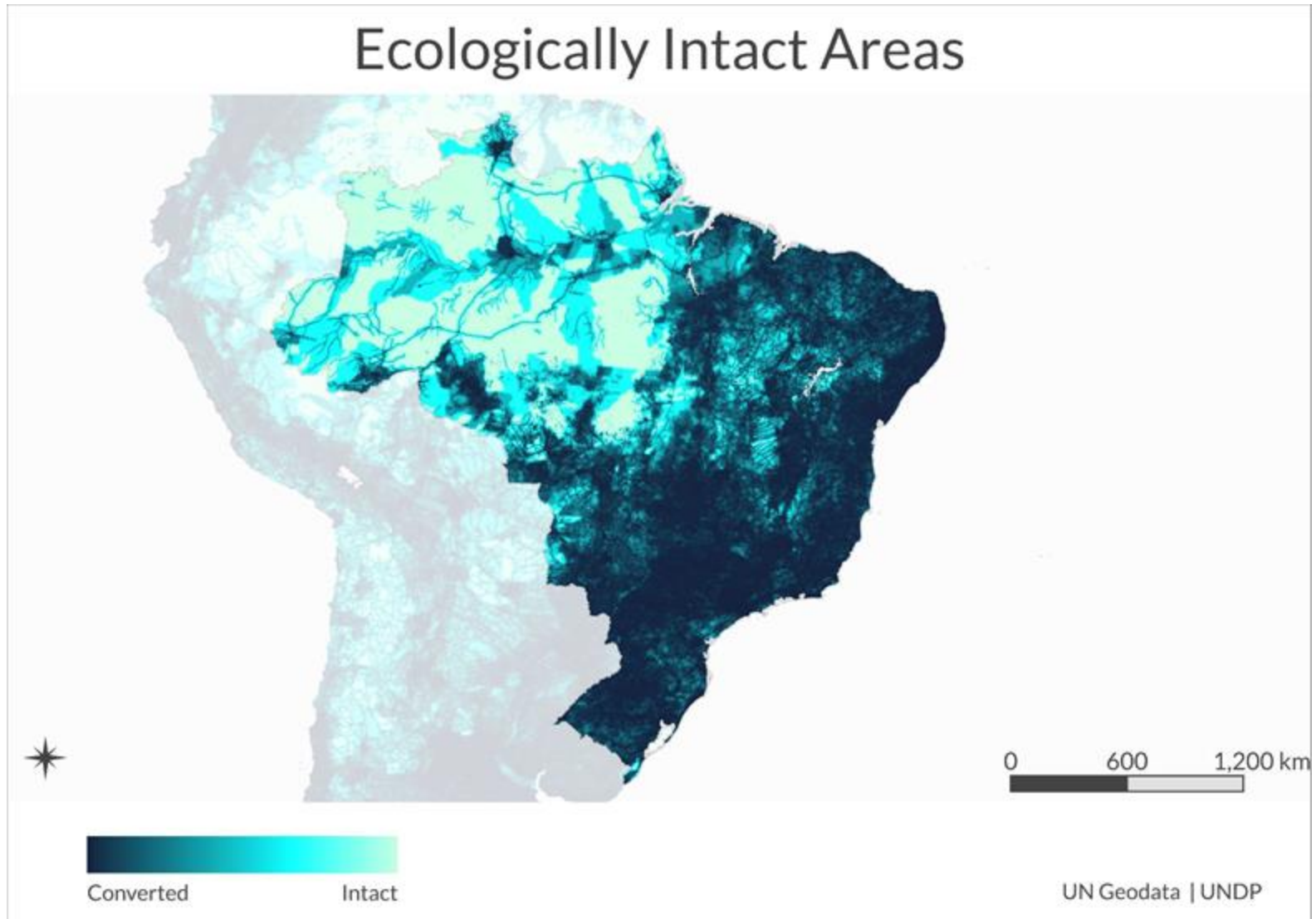
- Kunming-Montreal Global Biodiversity Framework [Target 1](#): All areas are planned or managed to bring loss of areas of high biodiversity importance close to zero
- Kunming-Montreal Global Biodiversity Framework [Target 3](#): 30 percent of areas are effectively conserved

## Related Target(s) from Other MEAs:

- SDG [Target 15.1](#): By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements
- SDG [Target 15.2](#): By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally.
- SDG [Target 15.4](#): By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development.



# Example data on theme: Ecosystem integrity & conservation

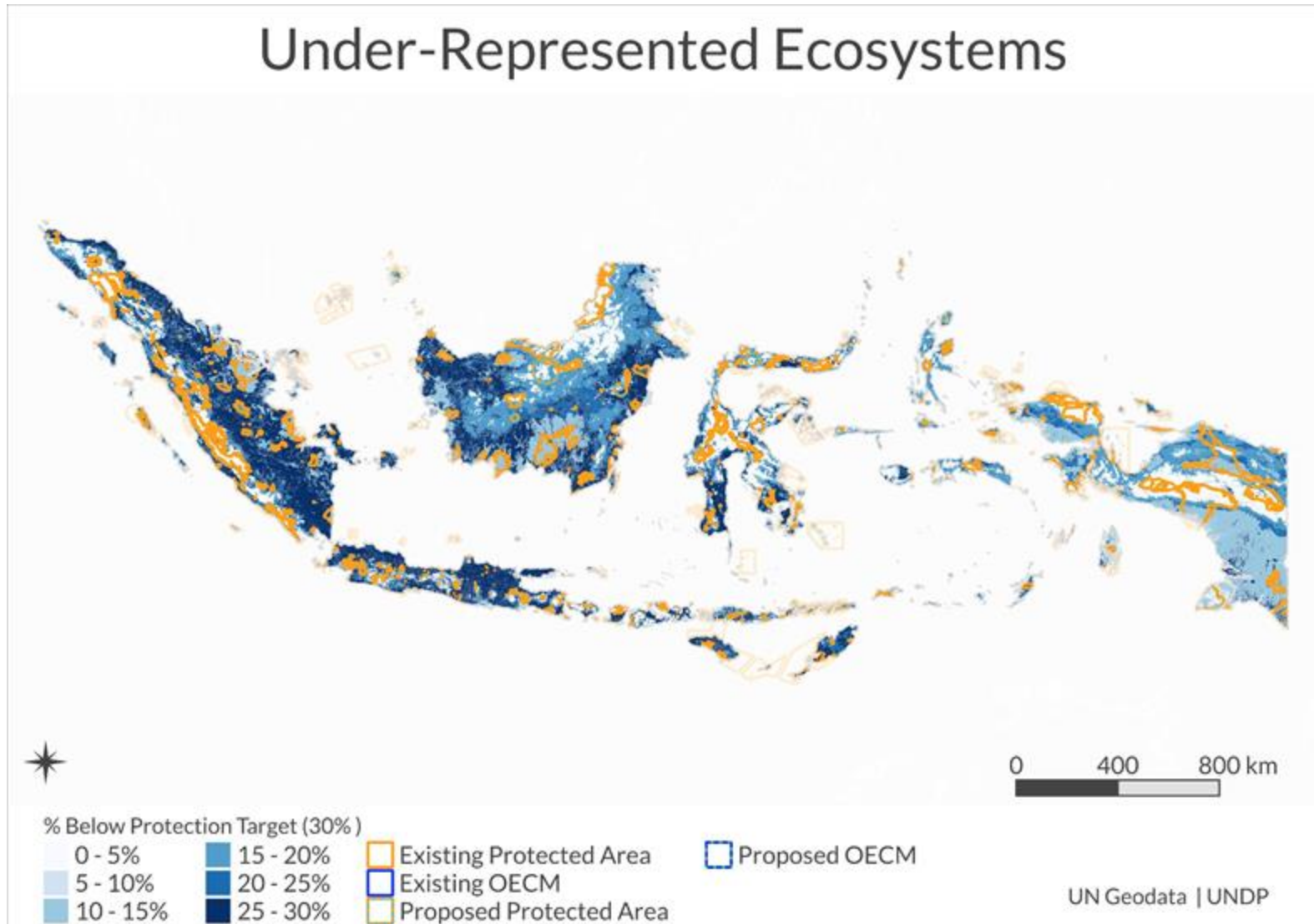


source: Beyer et al. (2020)

# Example data on theme: Ecosystem integrity & conservation

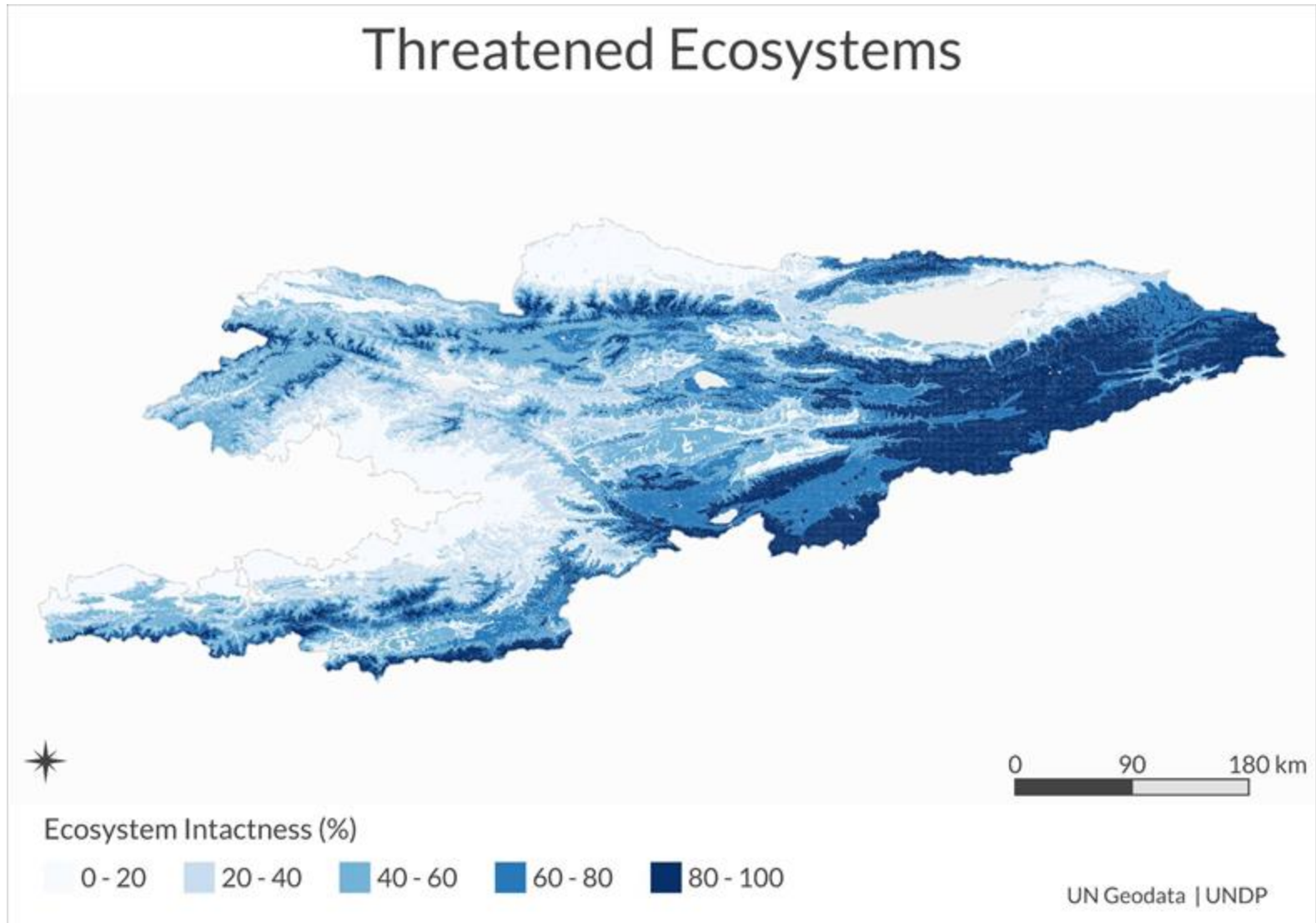


## Under-Represented Ecosystems



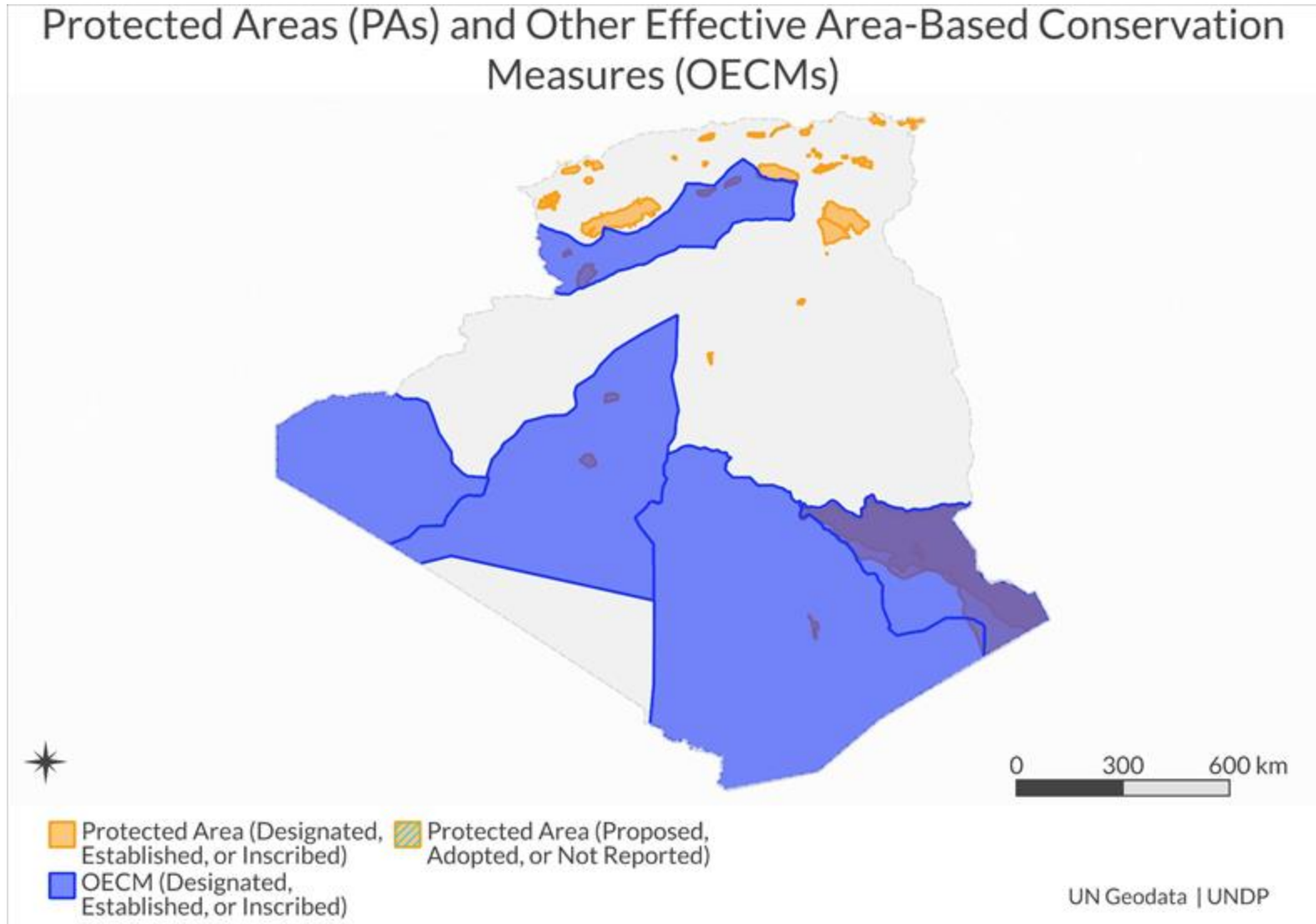
sources: Sayre et al.. (2020); UNEP-WCMC and IUCN (2023)

# Example data on theme: Ecosystem integrity & conservation



sources: Beyer et al. (2020); UNEP-WCMC and IUCN (2023)

# Example data on theme: Ecosystem integrity & conservation



source:UNEP-WCMC and IUCN (2023)

# A note on spatial products produced in the EAS Project



## Component 3

- Integrated spatial planning workbook
- Integrated spatial planning e-learning course
- Prototype spatial dossier on spatial planning for policy alignment


→ *Spatial data and planning for policy alignment*

## Component 2:

- **UN Biodiversity Lab Data Collection:** GBF Monitoring Framework
- **Guidance:** Using Spatial Data to Support the Development of Plans for National Monitoring Systems for the Kunming-Montreal Global Biodiversity Framework

→ *All data and products comprehensively aligned with Decision 15/5; designed for monitoring and reporting*



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Thank you!