

Supporting Countries to Implement the Monitoring Framework



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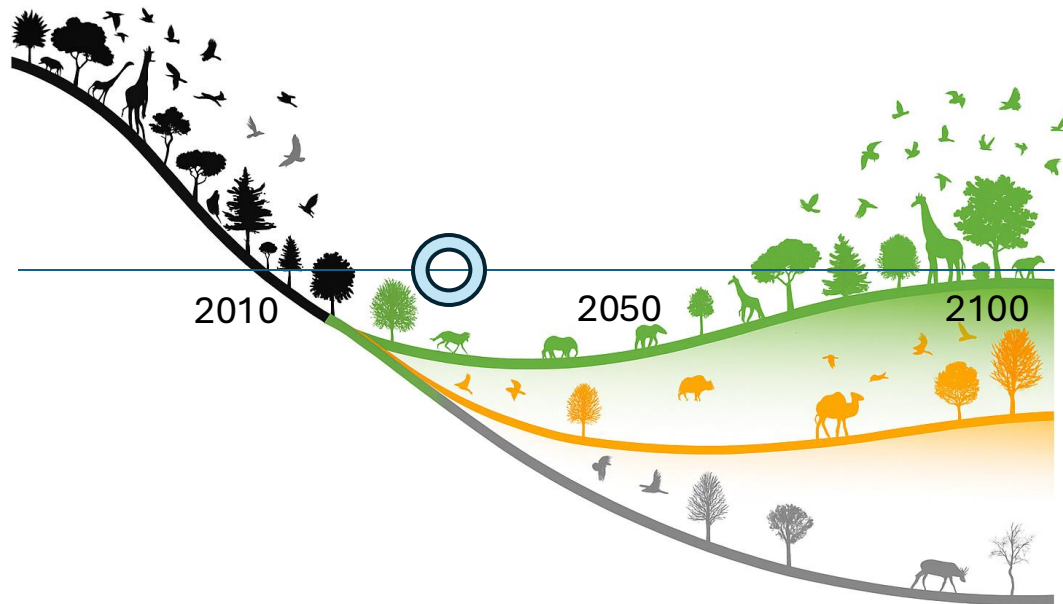
CO-OP4CBD
November 18, 2025



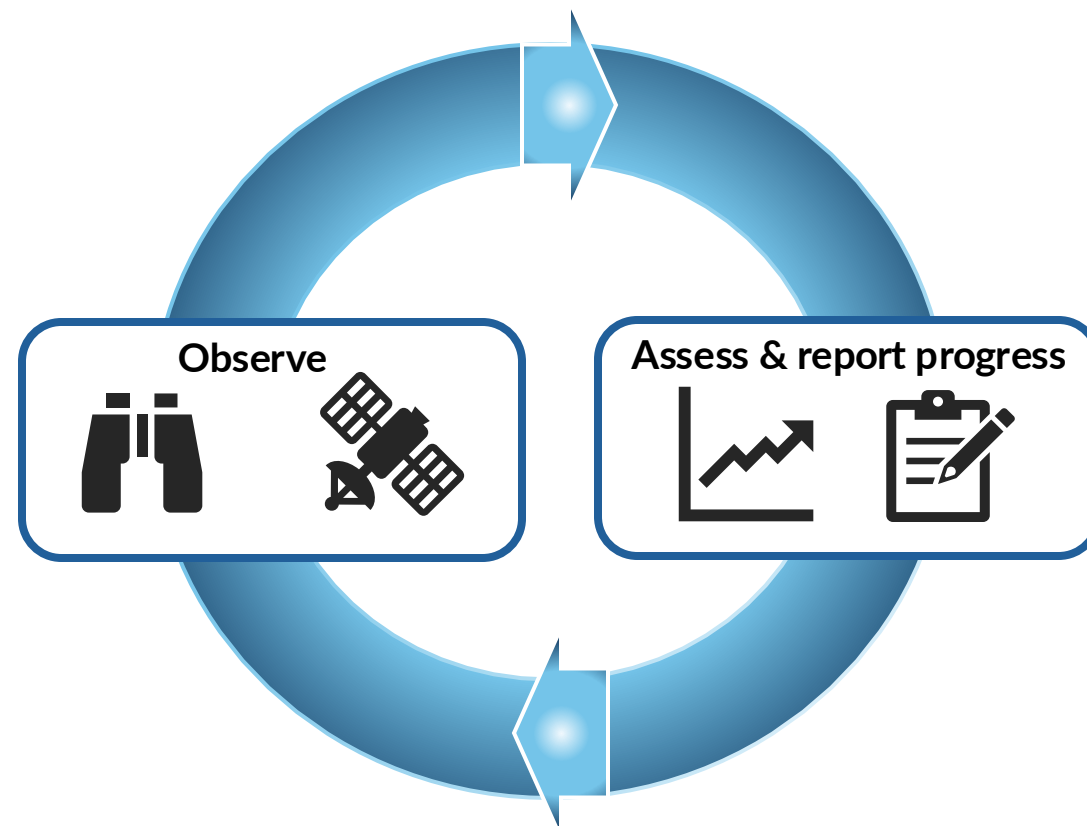


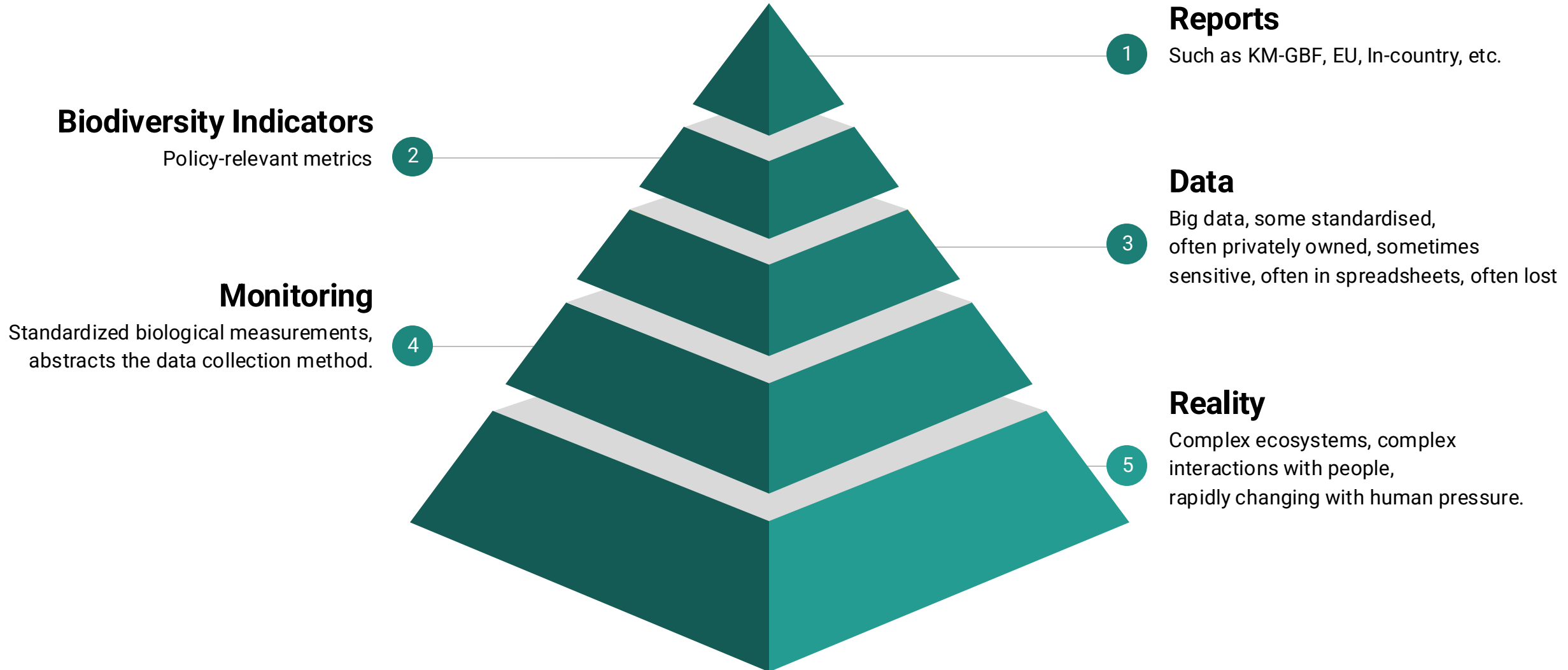
A Monitoring Framework Fit For Purpose

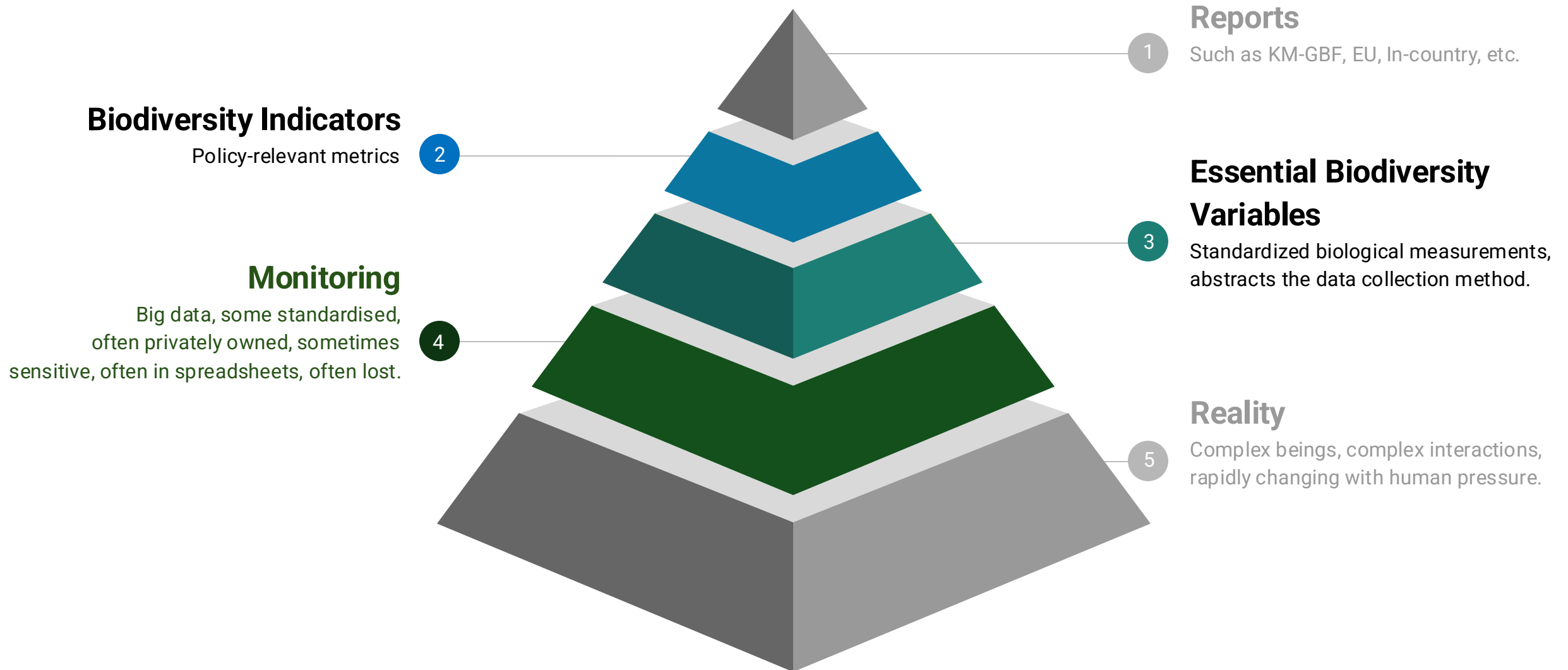
Detecting progress towards targets by 2030 and beyond



Monitoring framework







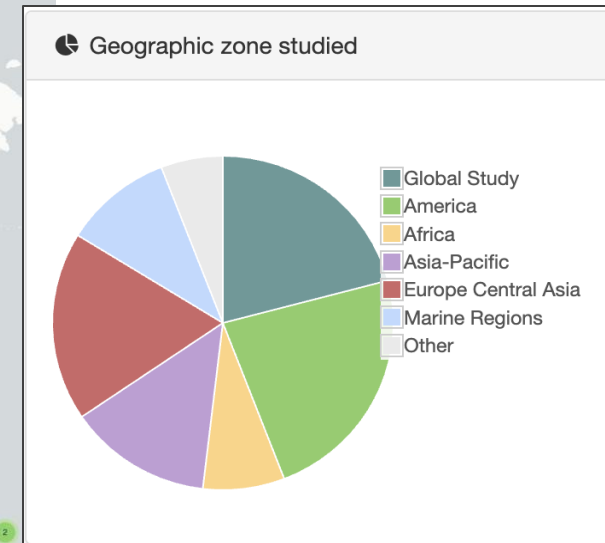
GEO BON's network is international

A global voluntary network:
>4000 members in 158 countries

Mission

Supporting the acquisition, coordination and delivery of biodiversity observations, indicators and model-based insights to all.

<https://geobon.org/>

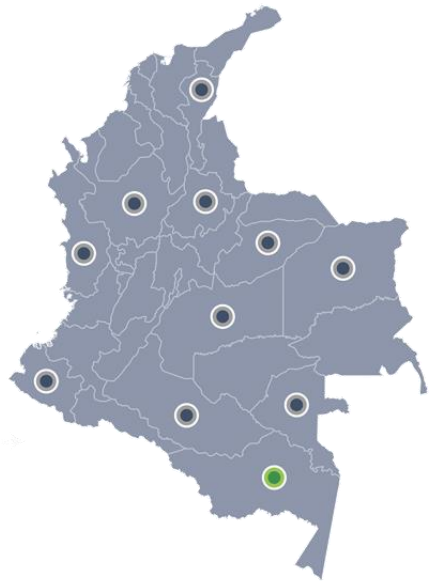


<https://members.geobon.org>

Biodiversity Observation Network



Observations



Specimens



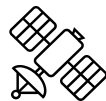
Bioacoustics



Field
measures



In-situ
observations



Satellites

EBVs



Genetic
Composition



Species
Populations



Species Traits



Community
Composition



Ecosystem
function



Ecosystem
structure

Indicators



Biodiversity Habitat Index



Genetic Diversity Indicator – Proportion of populations with $N_e > 500$



Global Ecosystem Restoration Index



Local Biodiversity Intactness Index



Protected Area Representatives & Connectedness Indices



Rate of Invasive Alien Species Establishment



Species Habitat Index



Species Protection Index



Species Status Information Index

Multiple indicators are part of a protected area planning and restoration processes



+15 ha degraded forest restored

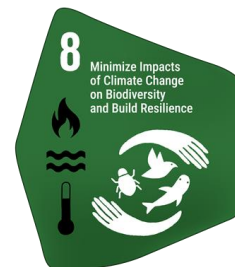
+11.2% connectivity



+12 ha habitat restored



Improved water quality, +13% sediment retention



~150 tCO2 sequestered

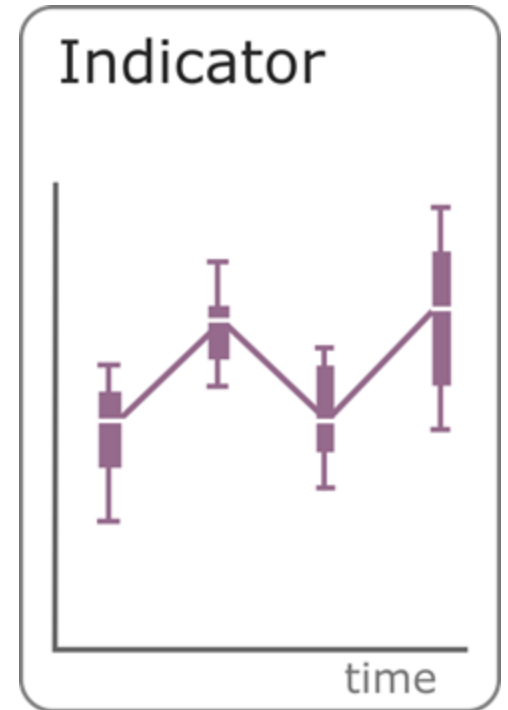




BON in a Box calculates the indicators you need

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Global data sources



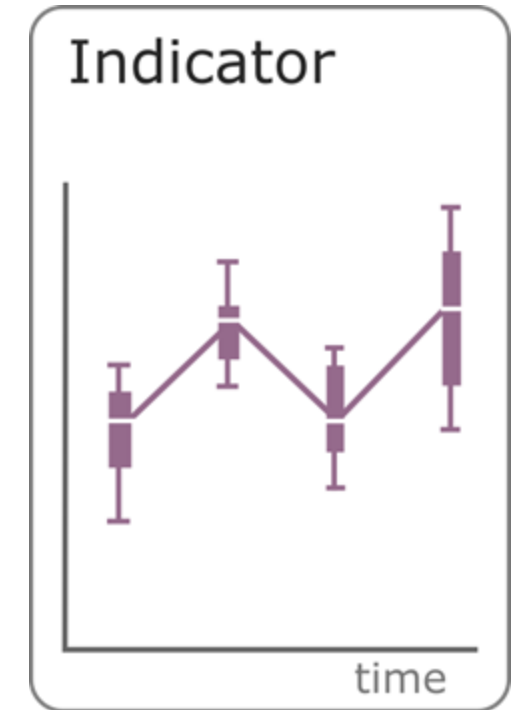
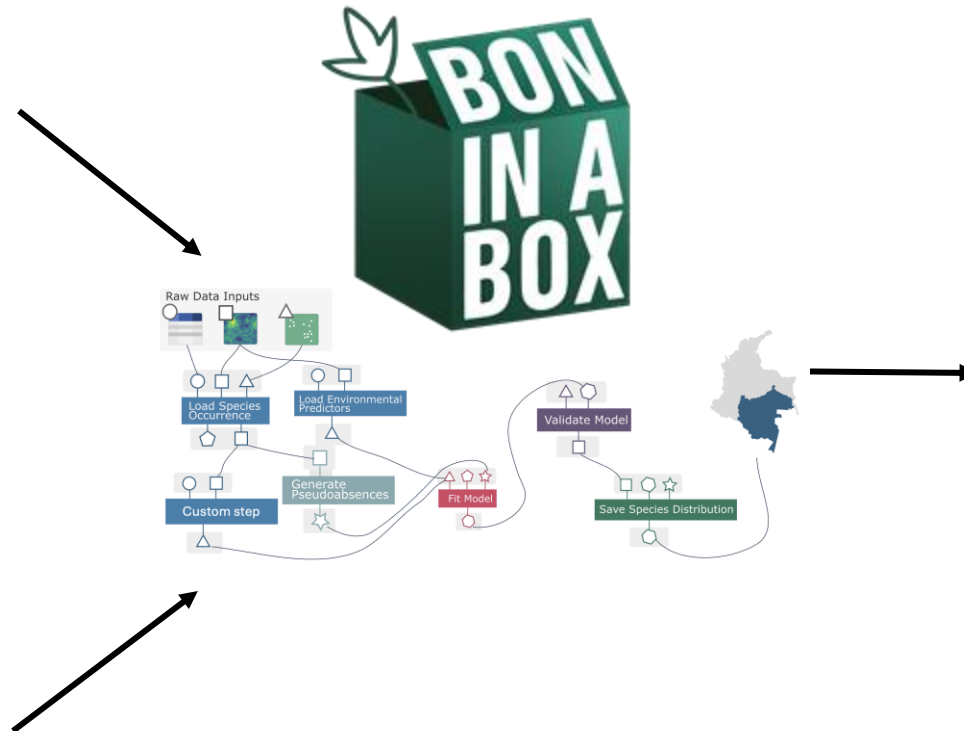


BON in a Box links data with models

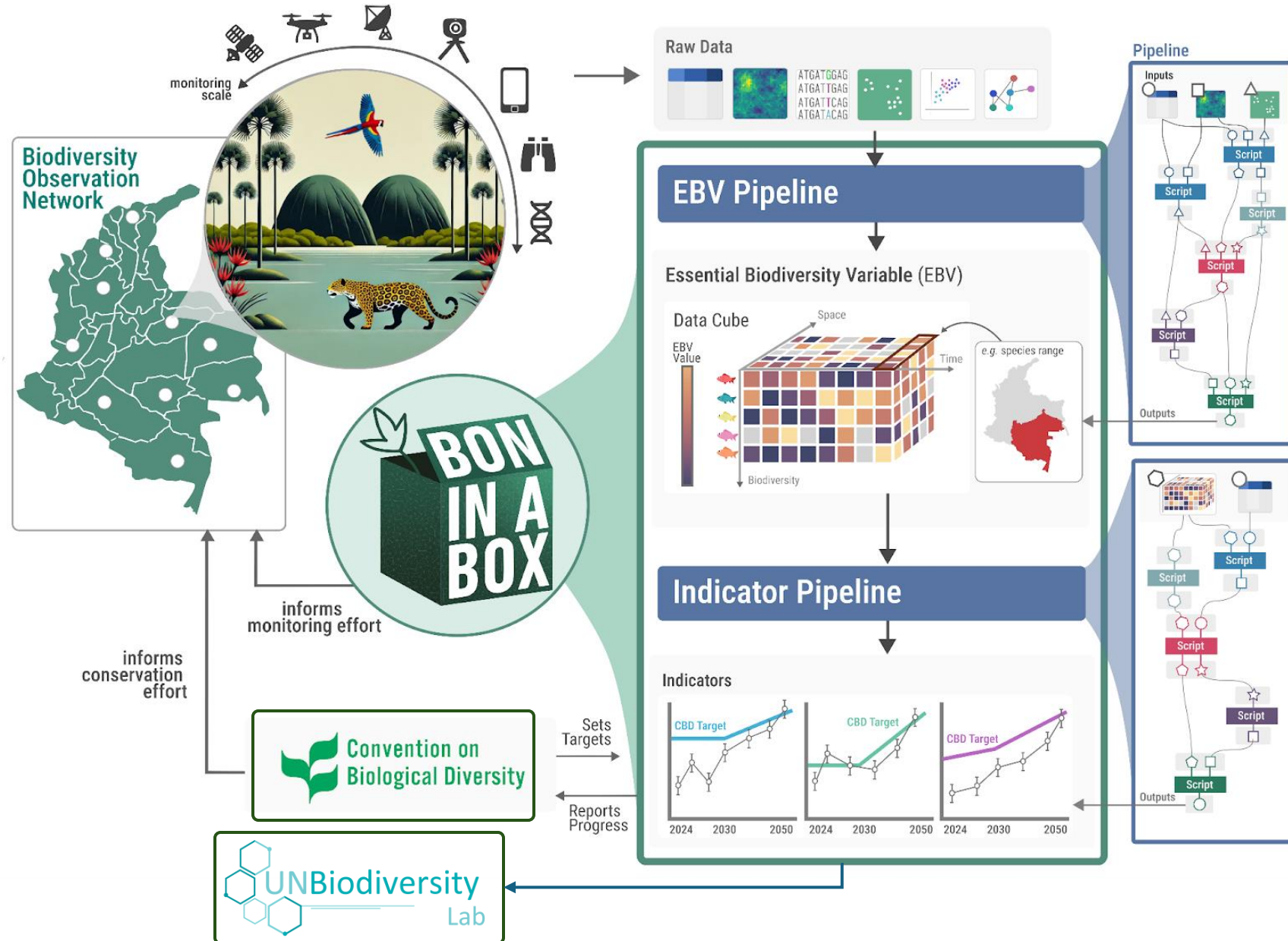
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Your data

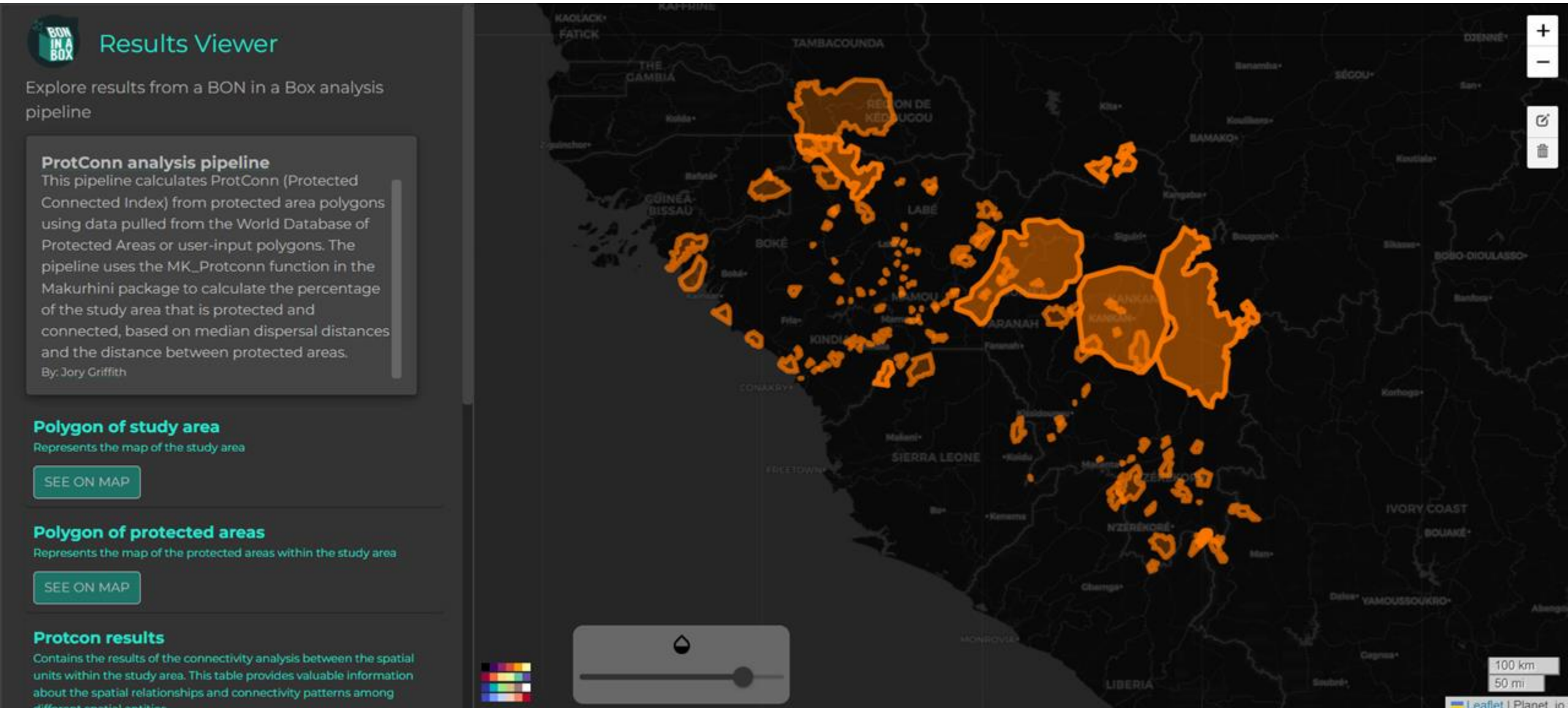


BON in a Box – work with your data to produce the indicators you need



ProtConn: A component indicator of the GBF.

“the percentage of a study region (e.g., a country or ecoregion) covered by protected and connected lands.”





Line graph showing projected land area in protected areas from 1950 to 2025 for three scenarios: Protected, UnConn, and ProtConn. The y-axis is 'Percent area' (0-30%) and the x-axis is 'year' (1950-2025). Horizontal dashed lines indicate the 'montreal target' at 30% and the 'Aichi target' at 17%.

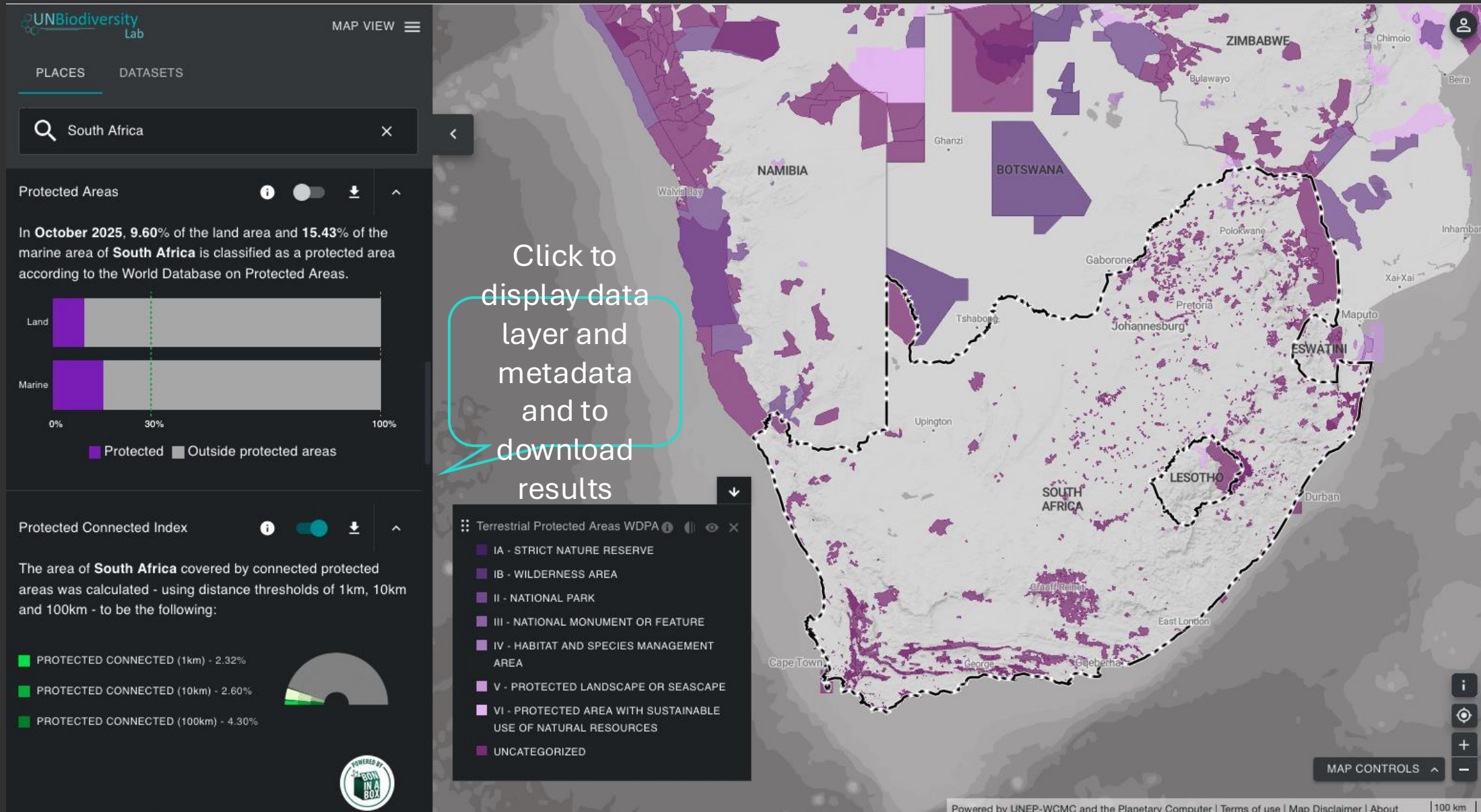
Year	Protected (%)	UnConn (%)	ProtConn (%)
1950	3	1	2
1975	5	1	4
2000	5	1	5
2025	23	14	9

UN BIODIVERSITY LAB

PLACES tab

Country
name

Results at
a glance



GEO BON Services to countries

Step 1

Access to guidance documents, webinars, online training modules on GBF monitoring requirements, EBVs, and BON in a Box principles.

Helpdesk support for basic queries to GEO BON experts.

Access GEO BON experts for peer-to-peer advice (e.g., BON design)

Step 2

National Monitoring Needs Assessment & Gap Analysis

Monitoring System Design & Roadmap

"BON in a Box"
Customization & Support

Capacity Building Workshops

Data Integration & Workflow Support

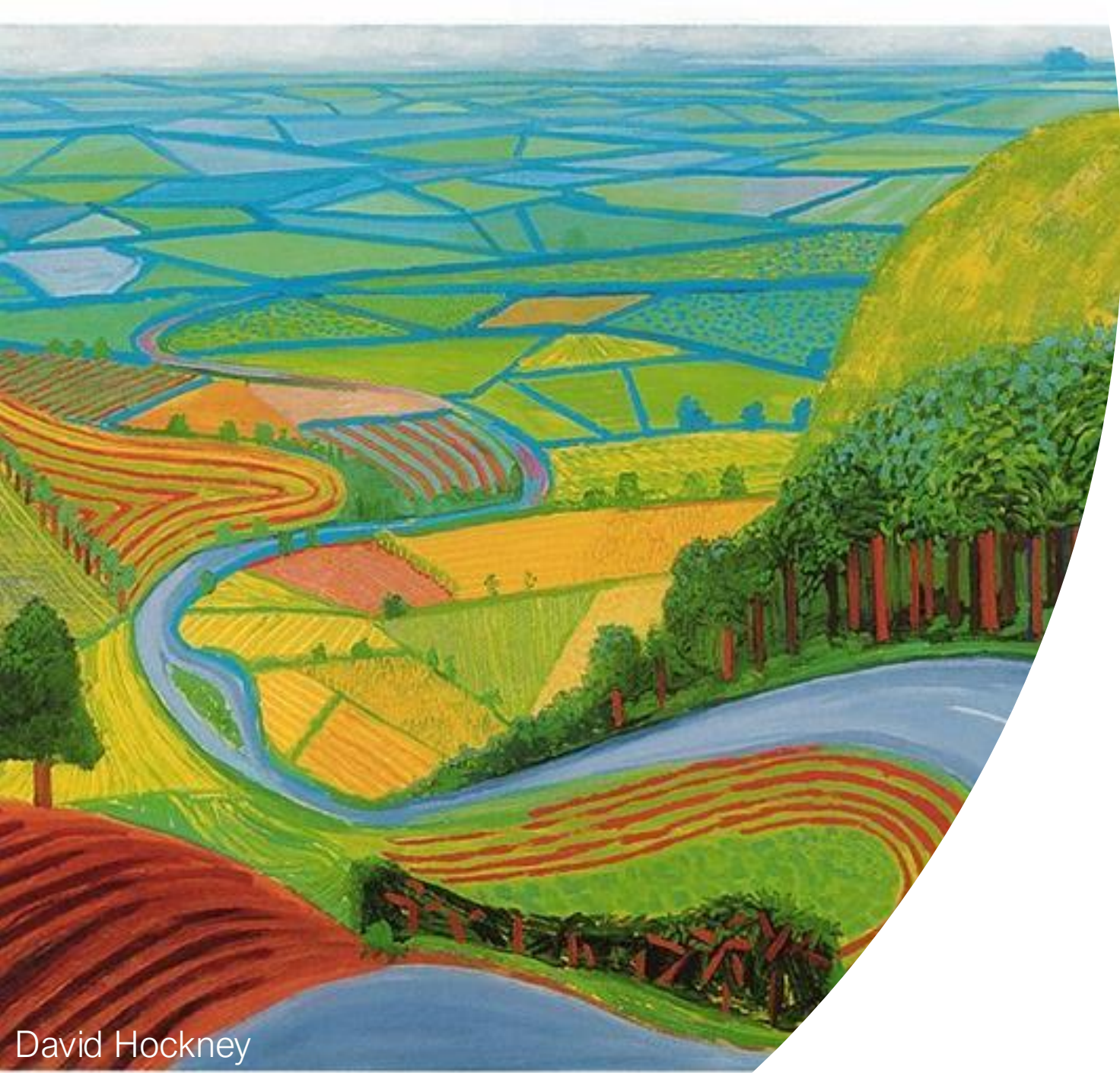
Step 3

Long-term Technical support for BON assembly

Indicator Development & Calculation

BON in a Box Platform Integration

Review & Evaluation of monitoring framework



David Hockney

Thank you!



Become a member

