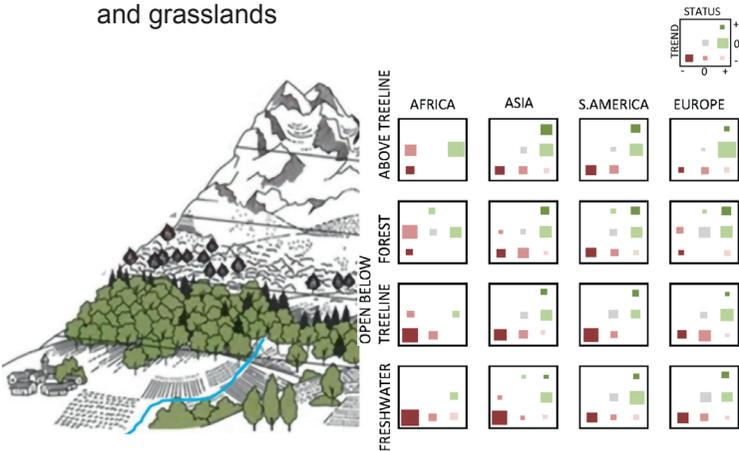


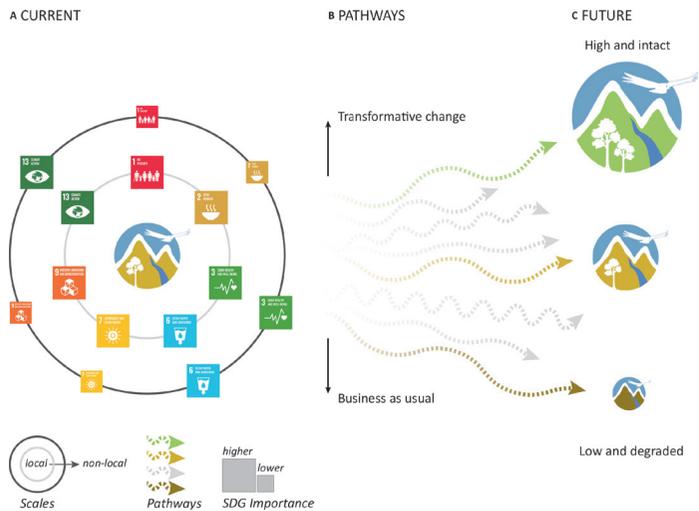
Mountain biodiversity is declining ...^{1,2}

- Mountain biodiversity is on the decline across many mountain systems and ranges worldwide
- Climate change affects primarily the summits
- Land-use change affects primarily mountain forests and grasslands



... with consequences for sustainable development and human well-being^{1,3}

- Declines in mountain biodiversity cause declines in Nature's Contributions to People on which both mountain and lowland people depend
- Mountain biodiversity is central to sustainable development across scales but only transformative pathways lead to positive futures for mountain biodiversity



GMBA Science for mountain biodiversity conservation and management

The Global Mountain Biodiversity Assessment (GMBA) is a platform for international and cross-disciplinary collaboration on the science, assessment, conservation, and sustainable management of mountain biodiversity



Connecting actors:
we facilitate synergies



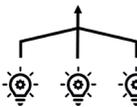
Providing tools:
we catalyze developments for standardized research



Facilitating knowledge creation:
we enable new knowledge relevant for policy and management



Capacity building:
we facilitate knowledge transfer



Knowledge transfer and dissemination:
we enable science-based action and decision-making

Relevance of mountain biodiversity in the context of the Global Biodiversity Framework



References:

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- doi.org/10.1038/s41597-022-01256-y
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- www.gmba.unibe.ch/services/indicators/sdg_1541
- www.gmba.unibe.ch/services/indicators/sdg_1541/preprint
- www.gmba.unibe.ch/services/indicators/sdg_1541/one-pagers
- www.gmba.unibe.ch/services/indicators/sdg_1541/code

This leaflet is available as PDF on www.gmba.unibe.ch/cop-15-leaflet

Trends, indicators, and tools for science-based policy and management in mountains



gmba@ips.unibe.ch
www.gmba.unibe.ch

Cordillera Real (Ecuador)

Information Species

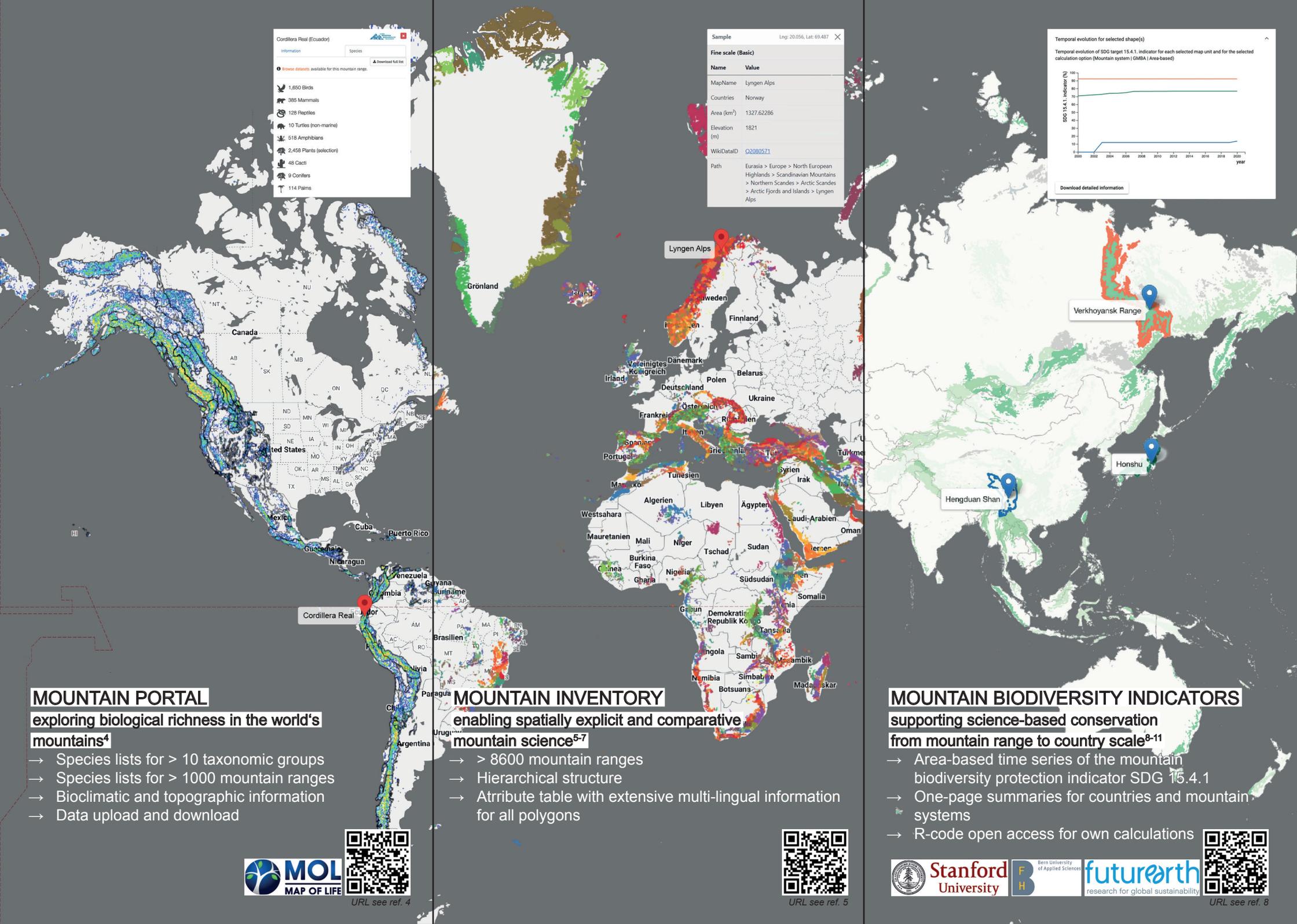
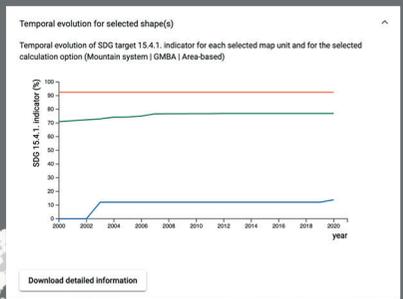
Review datasets available for this mountain range. Download full list

- 1,650 Birds
- 385 Mammals
- 128 Reptiles
- 10 Turtles (non-marine)
- 518 Amphibians
- 2,458 Plants (selection)
- 48 Cacti
- 9 Conifers
- 114 Palms

Sample Lng: 20.056, Lat: 69.467

Fine scale (Basic)

Name	Value
MapName	Lyngen Alps
Countries	Norway
Area (km ²)	1327.62286
Elevation (m)	1821
WikiDataID	Q2080571
Path	Eurasia > Europe > North European Highlands > Scandinavian Mountains > Northern Scandes > Arctic Scandes > Arctic Fjords and Islands > Lyngen Alps



MOUNTAIN PORTAL
exploring biological richness in the world's mountains⁴

- Species lists for > 10 taxonomic groups
- Species lists for > 1000 mountain ranges
- Bioclimatic and topographic information
- Data upload and download



URL see ref. 4

MOUNTAIN INVENTORY
enabling spatially explicit and comparative mountain science⁵⁻⁷

- > 8600 mountain ranges
- Hierarchical structure
- Attribute table with extensive multi-lingual information for all polygons



URL see ref. 5

MOUNTAIN BIODIVERSITY INDICATORS
supporting science-based conservation from mountain range to country scale⁸⁻¹¹

- Area-based time series of the mountain biodiversity protection indicator SDG 15.4.1
- One-page summaries for countries and mountain systems
- R-code open access for own calculations



URL see ref. 8