



**GEO Data providers workshop 20, 21 April 2017, Florence, Italy**



**Data provider short description:**

Within the GEO family, GEO BON as a flagship represents “biodiversity and ecosystem sustainability”, one of GEO’s nine Societal-Benefit-Areas. GEO BON, the Biodiversity Observation Network of GEO, is building up for the pathway to link biodiversity data and metadata to [GEOSS](#), *the Global Earth Observation System of Systems*.

**How do you contribute to the GEO Vision?**

For now GEO BON didn’t contribute to the GCI. But for the future, it is planned that all data and its web services incl. corresponding metadata will be discoverable through a central metadata catalogue (most likely GEONETWORK with GEOSERVER) and search engines incl. licenses (most likely CreativeCommons with CC-0, CC-BY and CC-BY-NC) will be clearly indicated.

**Type of organization: governmental- NGO- UN..etc.:**

GEO BON, in contrast to non-governmental organizations, is not directly involved in advocacy for on the ground conservation efforts, nor focused directly on biodiversity assessment. GEO BON is a network of stakeholders, a community of practice, focused on improving the infrastructure for monitoring biodiversity change and ensuring that both scientists and decision makers have access to better data.

GEO BON is hosted by iDiv, the German Centre for Biodiversity Research, and supported by the German Science Foundation (DFG).

**Type of data: Thematic description:**

Essential Biodiversity Variables (EBVs)

EBVs are defined as harmonised measurements required for studying, reporting, and management of biodiversity change. EBVs are conceptually located on a continuum between primary data observations (‘raw data’) and synthetic or derived indices (‘indicators’).

- Raw data (Raw observations from surveys, sensors, satellite RS, DNA...)
- EBV-usable datasets (Datasets with measurements and observation protocols in right format)
- EBV-ready datasets (Harmonized datasets (common format, standard unit, quality-checked))
- Derived & modelled EBV data (Data inter- or extrapolated with model)
- Indicators (Changes in species distributions or population abundances)

**Data policy adopted by your organization:**

In future Data will be shared as Open Data, most likely CC with the three main common models CC-0, CC-BY and CC-BY-NC, which will be in line with the GBIF open data approach as well.

**Already brokered or not by the GCI:** NO