Plan Overview

A Data Management Plan created using DMPonline

Title: GBIF participant node for Norway

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Project abstract:
GBIF Norway is the Norwegian national participant node of the Global Biodiversity Information
Facility.

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GBIF participant node for Norway

Data Collection

What data will you collect or create?

GBIF Norway is a data aggregator and data publishing service for biodiversity data from Norwegian institutions. GBIF Norway will not collect or create any source data but facilitate data publication from the source databases of other participants. All data sources are validated and endorsed by GBIF Norway before data publication services are established.

How will the data be collected or created?

Original data sources aggregated by GBIF Norway are created through scientific collections of natural history or through human expert observations. GBIF also facilitates the publication of scientific names and biodiversity sampling events.

Documentation and Metadata

What documentation and metadata will accompany the data?

Source data content is documented using the Darwin Core (DwC) data standard and dataset metadata is documented using the Ecological Metadata Language (EML). Additional standards are also used through extensions implemented in the GBIF Integrated data Publishing Toolkit (IPT) software tool.

Ethics and Legal Compliance

How will you manage any ethical issues?

GBIF only provides data publishing services for open data and requires that all data sources are released using one of the following creative commons licenses: CC0, CC BY, or CC BY-NC.
CC0 1.0 Universal (CC0 1.0) Public Domain Dedication
Attribution 4.0 International (CC BY 4.0)
Attribution-NonCommercial 4.0 International (CC BY-NC 4.0)
GBIF follows the FAIR data principles (https://doi.org/10.1038/sdata.2016.18)
GBIF recommends all data sources to follow the CARE Principles for Indigenous Data Governance (https://doi.org/10.5334/dsj-2020-043)
GBIF expects all data sources to follow national regulations on sensitive species data and avoid publishing detailed locations for such sensitive species. GBIF Norway will contact data sources to request action when sensitive species are detected.

How will you manage copyright and Intellectual Property Rights (IPR) issues?

All data sources aggregated and facilitated through GBIF Norway remain under control and ownership of the data source.

Storage and Backup

How will the data be stored and backed up during the research?

GBIF Norway provides data publication services and the data source remains responsible for maintaining, storing, and archiving any data they publish.

Data sets loaded to the GBIF Norway data publishing platform (IPT) follow data back-up routines provided by the University of Oslo, and data indexed by the global GBIF portal follow secure backup in multiple locations.

How will you manage access and security?

All biodiversity data published in GBIF are freely accessible through the global search portal at https://www.gbif.org. The full datasets including all parameters used are freely available as standard Darwin Core archives (zip archives). Most standard attributes are indexed and available through the GBIF data portal including a web search interface for humans and machine-readable REST APIs for programmers and robots.

Compliance with major privacy legislation, including GDPR, is evaluated in consultation with legal expert advice. And the data source has always full and easy access to delete any data they have published in GBIF - if they decide.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

The Sustainable Development Goals (SDGs) highlight the urgent need for information and knowledge about biological diversity! GBIF is formally recognized as an important part of providing access to increased and improved information on biodiversity.

Most datasets published in GBIF have important long-term value for global priorities and should be preserved and openly shared for a very long time.

The high global importance for most of the data points published in GBIF makes it relevant and cost-efficient to ensure services for long-term preservation for all datasets published including smaller sets or additional data attributes with more specialized and smaller user groups.

Notice that a copy of all data points that have been cited in the scientific literature will be stored long-term even if the data points indexed in the search portal would be deleted by the original data source.

What is the long-term preservation plan for the dataset?

GBIF Norway provides data publication services and the data source remains responsible for maintaining, storing, and archiving any data they publish. GBIF Norway offers routine support with data archiving through Zenodo.

GBIF Norway also provides an annual snapshot archive (with only limited search features) of all Norwegian biodiversity data published in GBIF.

Data indexed by the global GBIF portal follow secure long-term preservation in multiple locations globally.

Data Sharing

How will you share the data?

All data published through GBIF Norway are made freely available through the data publishing platform (GBIF Integrated data Publishing Toolkit). GBIF Norway does not offer services for holding data in embargo or with limited access.

All data published through GBIF Norway are published to the global GBIF infrastructure and made freely available through this open platform. The global GBIF infrastructure does not offer any services for holding data in embargo or with limited access.

Are any restrictions on data sharing required?

GBIF provides data use guidelines and requirements for terms of use.

https://www.gbif.org/terms

https://www.gbif.org/terms/data-publisher

https://www.gbif.org/terms/data-user

All data are made freely available for non-commercial use by the original data source.

Notice that some data are licensed as CC BY-NC by the original data source.

Users are strongly encouraged to cite data retrieved from the GBIF network according to the recommended citation, as shown on the dataset, occurrence or download page on the GBIF.org platform.

Responsibilities and Resources

Who will be responsible for data management?

The original data source remains fully responsible for data management and for feedback to users of the data.

GBIF Norway provides a helpdesk for data users providing support and assistance to data users in consultation with the original data source.

The GBIF Secretariat is responsible for operation, maintenance, and improvements to the global data services from the GBIF portal infrastructure.

Data management is an open process welcoming contributions from the wider user community. However, the original version of the source data as published by the source will always be displayed together with any improved or processed versions. Typical improvements could include annotations with machine-readable identifiers.

What resources will you require to deliver your plan?

GBIF Norway requires stable national research infrastructure funding in line with the national membership agreement.

The global GBIF research data infrastructure requires stable national membership funding to maintain sustainable operations.