



Living Norway

Ecological Data Network

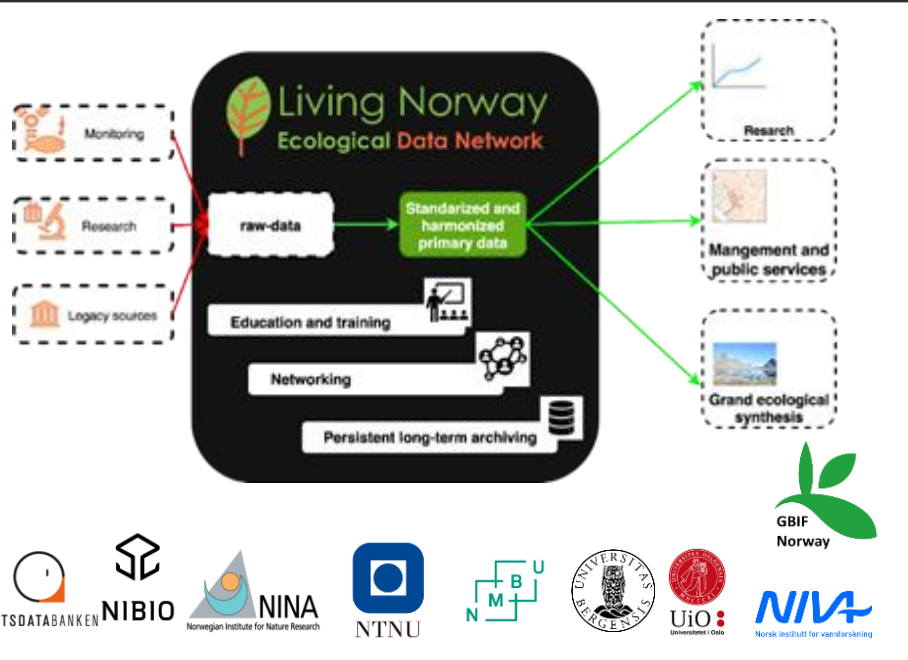
Matthew Grainger

Research Scientist @NINA

RDA Norway Networking event:
Implementing cultural &
structural change
March 20th 2023

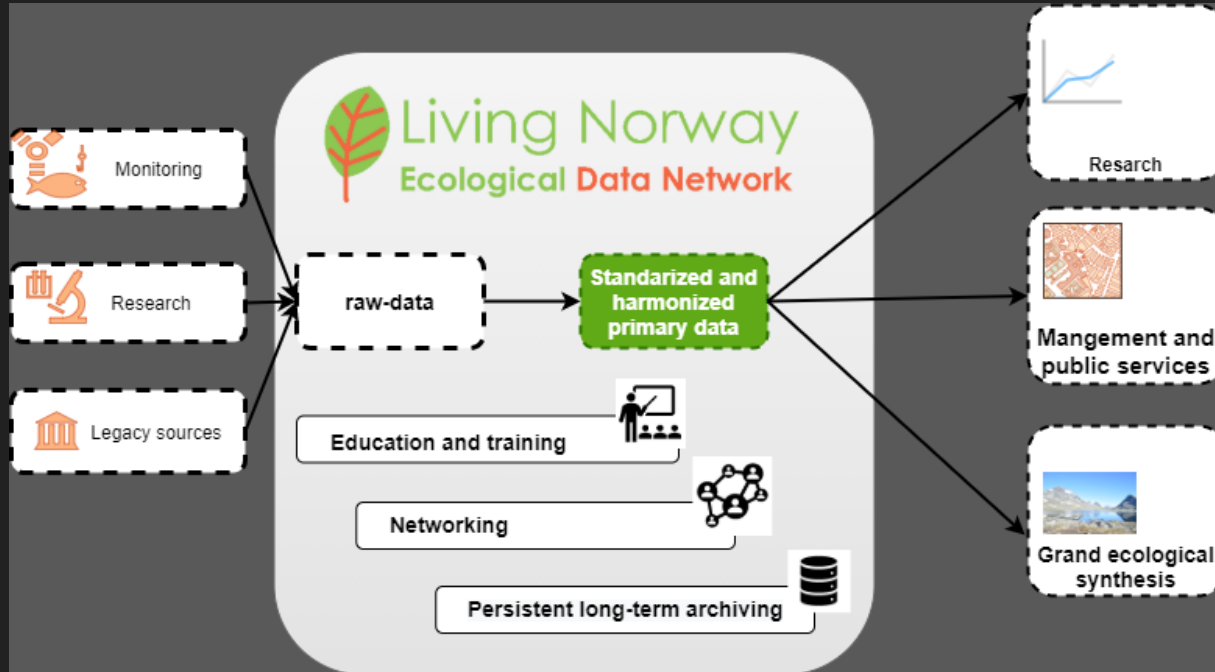


Living Norway Ecological Data Network



- Mobilise data from Norwegian research institutions
- Contribute to development of open standards
- Operate e-infrastructure

Provide the society with documented and harmonised data from ecological sciences



- Educate and train students and researchers in modern data management, including research ethics related to open data
- National and international networking

THERE ARE MATURE AND WELL FUNCTIONING PIPELINES FOR PRIMARY BIODIVERSITY DATA – BUT NOT YET FOR RICHER ECOLOGICAL DATA

GBIF (Global Biodiversity Information Facility)
Free and open access to biodiversity data

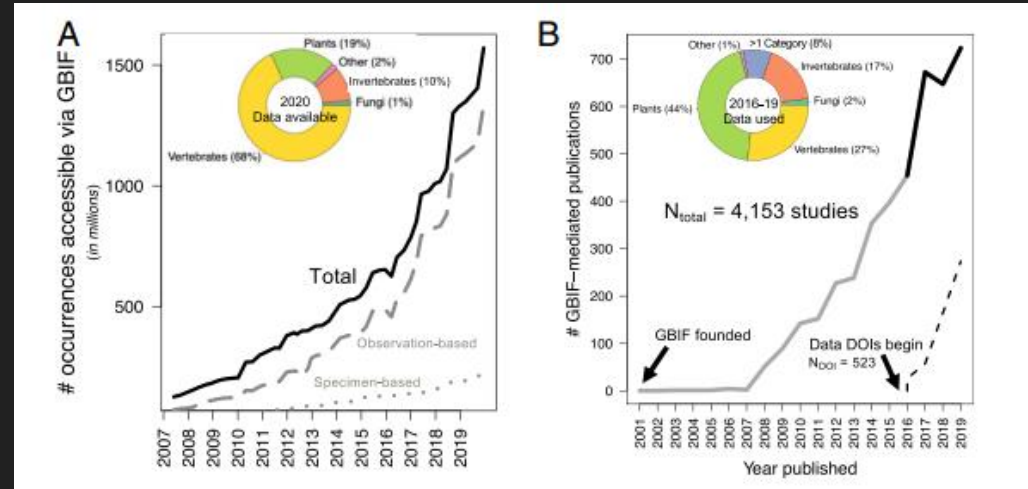
Occurrences: 1,665,551,048
Datasets: 57,331
Publishing institutions: 1,657
Peer-reviewed papers using data: 5,621

2021 Ebbe Nielsen Challenge seeks open-data innovations for biodiversity

Spanish-language guide to using OpenBiodata now available

Science Review 2020 compiles GBIF-enabled peer-reviewed research

Data4Nature: Share to protect



Primary Biodiversity data vs ecological data

- **Primary biodiversity data** can be defined as data that documents the occurrence of a species
- Such data are relatively simple, consisting of a timestamp, location and the species name
- Sometimes referred to as occurrence only data
- **Ecological data** contains richer information
- Most basic extension is information about sampling protocol and study design
- Can also include additional descriptors
- Also include data captured using modern tools

CURRENT ACTIVITIES

Tools for data mapping, documentation, visualization and management

Building R-tools to help manage data FAIR - with a Darwin Core Archive as the end point

Best practice for data use of the standards

Working to build best practice and application of the DwC standard for “new” data types

Data portal & archiving

Living Norway data portal 1.0

Networking and coordination

Living Norway is involved in many national and international processes

GET INVOLVED

INTERESTED TO LEARN MORE?

- Visit www.livingnorway.no
- Visit <https://github.com/LivingNorway>
- Visit <https://data.livingnorway.no/>
- Sign up for the Living Norway Colloquium 2023

Living Norway
colloquium 2023
23rd & 24th May

Open Science PhD
Course 13th to 17th
November