



# GBIF Hosted portals

## CANATHIST Project

Franck Theeten, Cédric d'Udekem d'Acoz, Arnaud Henrard, Aurore Mathys, Didier Van Den Spiegel, Patrick Semal, Marteen Trekels

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# What is GBIF ?

- Global Biodiversity Information Facility
  - International organism based in Copenhagen (Denmark)
    - Originated by OEDC (European Cooperation agency, begin 21th century)

# What is GBIF ?

- Mobilization of biodiversity data (collections and observations)
  - Central database where museum and universities can publish their data
    - <https://www.gbif.org/>
  - Focus on specimens, taxonomy, and collection data
  - Based on DarwinCore standard
    - common flat data model appended on top of databases to make them interoperable
  - Technical synergies with other international taxonomical / ecological projects aimed at data mobilization : **Catalogue of Life** (taxonomic backbones) **Fishbase**, **WoRMS**, etc...
  - APIs based (Application Programming Interface) : machine to machine standard to link databases together

# What is GBIF ?

- Organized by national or regional “nodes” (i.e. contact points) reaching local museums, helping to plan the digitization effort, offering training and data hosting
  - **BID: Biodiversity Information for Development**
  - Capacity Building Programme for scientists and institutions from global South

# Aims of hosted portals

- Type of website:
  - Mixing access to data (via the GBIF API) with communication at project-level. I.e. non-structured free text content for
    - Presenting the project on the Internet (scope, thematics, outreach)
    - Advocacy, lobbying
    - Results of project
    - Scientific and technical staff presentation

- GBIF Hosted Portals targets projects made be by national and regional node for biodiversity data
  - Possible to benefit from GBIF support to set the portal (via an application mechanism)
  - Cloud hosting at GBIF (Copenhagen Denmark) or local installation. Data belongs to the user in both case
- (based on Ruby on Rails, Open Source framework)

# URLs

- GBIF presentation and registration for support:
  - <https://www.gbif.org/hosted-portals>
- Code (GitHub):
  - <https://github.com/gbif/hosted-portals>