The Antarctic Biodiversity Portal
An Online Ecosystem for Linking, Integrating and Disseminating Antarctic Biodiversity Information

Anton Van De Putte
Yi Ming Gan
Maxime Sweetlove

Royal Belgian Institute of Natural Sciences, Belgium
Antarctic Virtual Lab

biodiversity.aq

Access

Analyze

Develop

Biodiversity.aq

LifeWatch

LifeWatch ERIC
Access
1. Register of Antarctic Species

ras.biodiversity.aq

Contributes taxonomic information to global taxonomic backbone
1. Register of Antarctic Species

ras.biodiversity.aq

11,772 accepted species to date
2. IPT disseminates data

ipt.biodiversity.aq

GBIF | Global Biodiversity Information Facility

OBIS | OCEAN BIOGEOGRAPHIC INFORMATION SYSTEM

Darwin Core Archive

Integrated Publishing Toolkit (ipt.biodiversity.aq)

(meta)Data
- Metadata
- Species checklist
- Occurrence
- Sampling event

Data paper
3. Antarctic Biodiversity Data Portal

Thematic observations data portal

data.biodiversity.aq
4. Discover and access environmental metadata in Microbial Antarctic Resource System (mARS)

mars.biodiversity.aq
4. POLA$_3$R: the future direction of mARS

POLA$_3$R

Additional information and tutorials

Sequence data

GBIF | Global Biodiversity Information Facility

Project metadata

Environmental metadata
5. Biogeographic Atlas

atlas.biodiversity.aq

Chapters are available online for free
6. Environmental Layers

http://maps.elie.ucl.ac.be/lifewatch/antarctica.html
Analyze

Develop
7. Online repositories & communities support

https://ropensci.org
https://github.com/SCAR
Contact: Ben.Raymond@aad.gov.au
7. Online repositories & communities support

The Scientific Committee on Antarctic Research (SCAR)

https://www.scar.org/

Pinned repositories

- **Organisation-Guidelines**
  Guidelines for SCAR community members wishing to make use of this GitHub organisation space

- **ropensci**
  Information on the SCAR/OpenSci collaboration to support open and reproducible Antarctic and Southern Ocean science
  - HTML
  - ★ 5

- **sohungry**
  R package for Southern Ocean Diet and Energetics Data
  - R
  - ★ 2

- **RAATD**
  Code and other goodies from the SCAR Retrospective Analysis of Antarctic Tracking Data (RAATD) project
  - R
  - ★ 2
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- **IPT**
- **OBIS**
- **GBIF**
- **Data**
- **Atlas**
- **RAS**
- **mARS**
- **GitHub**
- **Env**

**Links:**
- `ipt.biodiversity.aq`, Integrated Publishing Toolkit
- `data.biodiversity.aq`, Antarctic Biodiversity Data Portal
- `ras.biodiversity.aq`, Register of Antarctic Species
- `mars.biodiversity.aq`, Microbial Antarctic Resource System
- `atlas.biodiversity.aq`, Biogeographic Atlas of Southern Ocean
- `maps.elie.ucl.ac.be/lifewatch/antarctica.html`, Environmental layers
- `github.com/SCAR`, SCAR repository
Thank You