DTO-BioFlow
Integration of biodiversity monitoring data into the Digital Twin Ocean

DTO-BioFlow data training workshop:

Publishing data using the IPT

Concept

"The Integrated Publishing Toolkit (IPT) is a free open-source software used to create and manage distributed <u>data repositories</u> that <u>share biodiversity data</u> into the GBIF network"

Concept

≈ Data repository

≈ Creation of Darwin Core archive files

≈ Creation of data paper templates

≈ Automated data flow with OBIS/GBIF/EMODNet

≈ Limited to GBIF formats and scope

347 INSTALLATIONS   80 COUNTRIES

Find the appropriate IPT instance

≋ Publish on appropriate IPT:

    ≋ Institutional

    ≋ Regional

    ≋ Thematic

≋ List of IPT instances

    ≋ **National/thematic node installations Regional**

    ≋ **cloud-hosted installations**

Creating an IPT resource (DwC-A)

≈ Uploading data

≈ Mapping data to Darwin Core

≈ Filling in Metadata

≈ Publishing

≈ .txt, .csv, .xlsx, .zip, DwC-A files
≈ DB connection
≈ URL

≈ Manual to Automated
≈ Allows data modifications

≈ Manual or via EML.xml file

≈ Quality Control checks

Updating an IPT resource (DwC-A)

≋ Uploading new data files
  ≋ Previously published data + new data

≋ Mapping new data files to Darwin Core

≋ Update metadata

≋ Publishing

When creating data files for an update:
≋ Take care with IDs
≋ Should be persistent
≋ → make sure you can re-generate the same IDs as in the previously submitted dataset when using compound Ids (i.e. the components should be present in your database/data file)

IPT Demo

Publishing data to the biodiversity repositories

≋ Register resource

i Registration   ⬆ Register

Resource is not registered and thus not globally discoverable through the GBIF website.
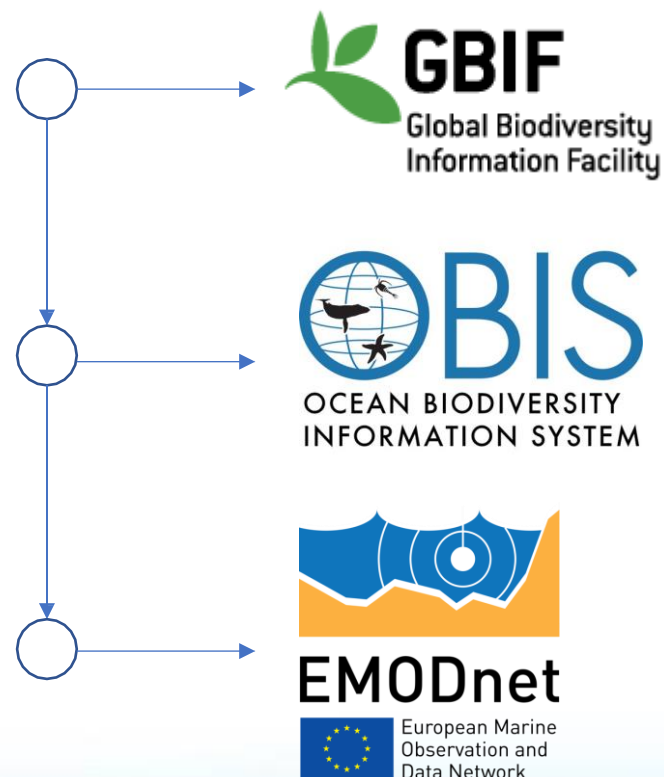
≋ Add the OBIS network

i Networks   + Add

No GBIF networks associated with the resource.

≋ Notify EMODnet Biology data manager

Relevant sources

≋ [GBIF Integrated Publishing Toolkit (IPT) User Manual](#)

≋ [What is GBIF](#)

≋ [IPT Github Repository](#)

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THANKS!