Metadata in the GBIF network

Éamonn Ó Tuama
Senior Programme Officer
Global Biodiversity Information Facility (GBIF)
OECD Global Science Forum recommendation (1999):
“Establish and support a distributed system of interlinked and interoperable modules (databases, software and networking tools, search engines, analytical algorithms, etc.) that together will form a Global Biodiversity Information Facility (GBIF)”

“This facility will enable users to navigate and put to use vast quantities of biodiversity information, thereby:
- advancing scientific research...
- serving the economic...
- providing a basis from which our knowledge of the natural world can grow rapidly...”
GBIF Participation

- 31 voting participants
- 11 associate country participants
+ 33 participant organisations

Last updated: 2013-03-04
What does GBIF do?

• Builds a global informatics infrastructure for biodiversity science

• Supports and promotes common standards for data capture and sharing

• Promotes global participation, capacity building

• Encourages and enables publication of data on biodiversity ( manuals, training, collaboration between participants )
The GBIF informatics infrastructure

www.gbif.org

OAI-PMH
As of March 2013: 396,026,747 indexed records from 10,004 datasets from 464 publishers and spanning a wide range of geospatial, temporal and taxonomic coverages.
Promotion of Publishing Standards

http://www.gbif.org/orc/
**associatedSequences**: A list (concatenated and separated) of identifiers (publication, global unique identifier, URI) of genetic sequence information associated with the Occurrence.
Darwin Core Archive (DwC-A)
- A package of DwC records including extensions
- Simple text based format
- Zipped single file archive

+ metadata file in Ecological Metadata Language format
Resource Title: Animal Observations in Amboseli Demo

Basic Metadata

The resource title and description are required. The resource's three main contacts must also be described here: Resource contact, resource creator and metadata provider. For each contact you must supply at least a last name, a position or an organisation before you can make the resource public. The person(s) or organisation(s) responsible for the creation of the resource as it appears in the IPT and for effectively publishing the resource should add themselves as an associated party with role 'publisher'.

Title*

Animal Observations in Amboseli Demo

Description*


Metadata Language

- English

Type

- Occurrence

Subtype

- Select a subtype

Resource Contact

First Name

Kyle

Last Name*

Braak

Organisation*

GBIF

Address

City
Global Biodiversity Information Facility
Free and open access to biodiversity data

377,177,914 OCCURRENCES
1,022,264 SPECIES
97,419 DATASETS
419 DATA PUBLISHERS

Enables biodiversity data sharing and re-use
- Why publish your data?
- How to publish your data
- Data from citizen scientists

Supports biodiversity research
- Why publish your data?
- How to publish your data
- Data from citizen scientists

Collaborates as a global community
- Why publish your data?
- How to publish your data
- Data from citizen scientists

Search

craneflies

Latest GBIF news

FEATURED STORY
GBIF Finland demonstrates digitization ‘assembly line’

LATEST NEWS
- 15 August 2012
  Conference targets priorities for biodiversity "intelligence"

UPCOMING EVENTS
- 19 September
  GBIF Science Symposium 2012
  Lillehammer, Norway

Go to GBIF Newsroom
6 results for “craneflies”

**OCCURRENCE DATASET**

**Craneflies of Ireland**
3,311 records published by National Biodiversity Data Centre
... database for the craneflies of Ireland

**OCCURRENCE DATASET**

**Catalogue of Craneflies of the World**
8 records published by The Catalogue of Life Partnership
... Catalogue of the Craneflies of the World (CCW) covers all genera...

**OCCURRENCE DATASET**

**Biological Records Centre - Cranefly (Diptera; Tipuloidea) records ...**
109,462 records published by UK National Biodiversity Network

**OCCURRENCE DATASET**

**Zoological Museum Amsterdam, University of Amsterdam (NL) - Diptera...**
9,216 records published by Netherlands Biodiversity Information Facility (NLBIF)
...ion of Tipulidae (craneflies) from the Netherlands is one of the m...

**OCCURRENCE DATASET**

**Zoological Museum Amsterdam, University of Amsterdam (NL) - Diptera...**
8,328 records published by Netherlands Biodiversity Information Facility (NLBIF)
...ion of Tipulidae (craneflies) in ZMAN is one of the most important...

**EXTERNAL DATASET**

**Flying insect abundance monitoring**
Originates from The Knowledge Network for BioComplexity (KNB)
Search matchedCached EML
### Summary

**Full Title**
Craneflies of Ireland

**Description**
A complete database for the craneflies of Ireland

**Additional Information**

**Language of Data**
ENGLISH

**Primary Contacts**

<table>
<thead>
<tr>
<th>Originator</th>
<th>Metadata Author</th>
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<tbody>
<tr>
<td>Paddy Ashe</td>
<td>Beechfield house, Carrigane WIT West Campus, County Waterford, Ireland</td>
</tr>
<tr>
<td>Paddy Ashe</td>
<td><a href="mailto:info@biodiversityireland.ie">info@biodiversityireland.ie</a> +353 (0)51 306 240</td>
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**Publication Date**
11-Oct-2011

**Published By**
National Biodiversity Data Centre

**Links**
- Dataset homepage

**Alternative Identifiers**
- GBIF Portal ID: http://data.gbif.org/datasets/...
- Alternative Identifier: CranefliesOfIreland

**External Data**
- Darwin Core Archive

**Metadata Documents**
- GBIF EML
- Cached EML

3,311 georeferenced occurrences

**View Records**
Stable Metadata Schema

GBIF Resources

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GBIF EML Profile:  http://rs.gbif.org/schema/eml-gbif-profile/1.0.2/
Interdisciplinary catalogues

• Registries and catalogues are key components of the GEOSS Common Infrastructure

• Supporting several GEOSS Societal Benefit Areas
Main Facets

- Taxonomic
- Spatial
- Temporal
- Institutional
- Keywords
- ...

[Image of GBIF logo]
Thank you

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