EMODnet Biology
Online training course on data formatting, quality control and publishing

Welcome to our IceBreaker

Leen Vandepitte, Joana Beja, Ruben Pérez Pérez, Gizem Poffyn, Salvador Fernández Bejarano, Vasilis Gerovasileiou, Menashè Eliezer

VLIZ (Belgium)
HCMR (Greece)
OGS (Italy)
Welcome!
Welcome!
Meet the trainers

- Joana Beja
- Gizem Poffyn
- Ruben Pérez Pérez
- Salvador Fernández Bejarano
- Leen Vandepitte
- Vasilis Gerovasileiou
- Menashè Eliezer
What to expect?

Online versus physical
- At your own pace, over 2 weeks (8-19 June)
- Live interaction through Q&A sessions, each day, 1 hour, per topic

OceanTeacher platform
- Training material split up over ≠ “topics”
- Indication of required time to process the theory
- Quizzes to check your insights in the content
- Assignments to familiarise yourself with data management
Intro to EMODnet & EMODnet Biology (± 40 min)
Metadata (± 30 min)
Formatting your dataset for EMODnet Biology (± 2-2.5h)
Dealing with archaeology data (± 30 min)
Publishing in IPT (± 20 min)
Quality Control (± 15 min)
EMODnet Biology data harvesting (± 20 min)
Finding data after publication (± 10 min)
OceanTeacher - navigation

Metadata

Overview of EMODnet Biology metadata, standards, best practices.
Required (estimated) time to go through this topic: 30 mins. This does not take into account the quizzes and/or assignments.

- Metadata in EMODnet Biology
  You will learn about EMODnet Biology Catalogue records and the procedure to create and maintain them. You will learn which are the mandatory and which optional fields in the catalogue and which information they contain.

- Metadata quiz

- Technical metadata and data entity integrity
  You will learn about the importance of technical metadata and what to keep in mind upon receiving the dataset you are meant to process for EMODnet Biology.

- Data integrity quiz

- Assignment 1: Metadata and data integrity
Contributing datasets to EMODnet Biology

Metadata in EMODnet Biology

Introduction to metadata

Metadata is often defined as data about the data. It means describing your datasets in a structured way so that your data can be found and understood. EMODnet Biology considers receiving good metadata essential for the following reasons:

- Metadata facilitates data reuse and sharing: it ensures data are more easily interpreted, analysed and processed by the data originator and others. Missing relevant metadata hinders the use of the data. It also enables that datasets that were designed for a single purpose to be reused for other purposes.
- Metadata is a way of organising electronic resources, making them discoverable.
- Metadata is essential for interoperability: it enables understanding of the data by humans and machines.

In EMODnet Biology we keep a catalogue with metadata records for all the datasets available through the portal and some that are not yet available.
Who are your fellow-participants?

EMODnet Biology data grant holders (2020-2021)

22 participants - affiliated with 16 institutions
Practical: Forum

- Your tool to ask questions at any time

- All Forum questions will be picked up by the trainers during the online sessions, per topic

- Help each other in the Forum. Remain respectful in your questions and comments

- Always indicate to which part of the course your questions relates => follow the guidelines
Who are your fellow-participants?

Biology WP2-WP3 data partners

19 participants - affiliated with 10 institutions
Questions on your own data?

- Training course = general principles of how to manage your data to submit them to EMODnet Biology

- During & after Summer, dedicated data-grant and – where needed - data-partner sessions will be organised to help you out with specific questions & problems on your own data
Who are your fellow-participants?

External

9 participants - affiliated with 7 institutions
The broader picture: EurOBIS

= data system backbone for EMODnet Biology
GoToMeeting / Zoom
One topic per day – 15h-16h CEST
Each session will be led by 1-2 of the trainers
Questions will be taken from the forum, and can also be asked online through Zoom
Missed an online session? All Q&A per session will be added to OceanTeacher, to the FAQ section, within 48h after the session
# Q&A live sessions with the trainers

Timings indicated in Central European Summer Time (CEST = GMT+2 = UTC+2)

<table>
<thead>
<tr>
<th></th>
<th>June 8&lt;sup&gt;th&lt;/sup&gt;</th>
<th>June 9&lt;sup&gt;th&lt;/sup&gt;</th>
<th>June 10&lt;sup&gt;th&lt;/sup&gt;</th>
<th>June 11&lt;sup&gt;th&lt;/sup&gt;</th>
<th>June 12&lt;sup&gt;th&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>9-10h</strong></td>
<td>Virtual ice-breaker</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>15h-16h</strong></td>
<td>EMODnet Biology</td>
<td>FAIR principles</td>
<td>Metadata</td>
<td>DwC – data structure (1)</td>
<td>DwC – data structure (2)</td>
</tr>
<tr>
<td><strong>16h-16h30</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>June 15&lt;sup&gt;th&lt;/sup&gt;</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Share your experience with the trainers</td>
</tr>
<tr>
<td><strong>June 16&lt;sup&gt;th&lt;/sup&gt;</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>June 17&lt;sup&gt;th&lt;/sup&gt;</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>June 18&lt;sup&gt;th&lt;/sup&gt;</strong></td>
<td></td>
<td></td>
<td></td>
<td>IPT</td>
<td>Assigning a DOI to your dataset</td>
</tr>
<tr>
<td><strong>June 19&lt;sup&gt;th&lt;/sup&gt;</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>15h-16h</strong></td>
<td>Data archaeology</td>
<td>QC &amp; standardization (1)</td>
<td>QC &amp; standardization (2)</td>
<td>IPT</td>
<td></td>
</tr>
<tr>
<td><strong>16h-16h30</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Practical: “Share your experience” sessions on Friday afternoon

- Going from physical to virtual: a new challenge ...
- We would love to hear what we can improve:
  - Content on OceanTeacher
  - Online Q&A sessions
  - General approach
  - ...
- Online questionnaire at end of the 2 weeks
How to get in touch with us?

- Ocean Teacher – Forum
- GoToMeeting / Zoom – Q&A sessions
- Old-fashioned, but continuous:
  - bio@emodnet.eu – info@eurobis.org
EMODnet
European Marine Observation and Data Network

www.emodnet.eu

Your gateway to marine data in Europe