FOSTER

FOSTER and training on research data

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http://fosteropenscience.eu
FOSTER Project
Objectives 1/3

- Identifying already existing contents that can be reused in the context of the training activities and repackaging, reformatting them to be used within FOSTER, and develop/create/ enhance contents if/where they are needed;
Objectives 2/3

- Creation of the FOSTER Portal to support e-learning, blended learning, self-learning, dissemination of training materials/contents and Helpdesk;
Objectives 3/3

- Delivery of face-to-face training, especially training trainers/multipliers that can carry on further training and dissemination activities, within their institutions, countries or disciplinary communities.
Activities

- Identify and collect relevant content related to the open science, which can be reused in the portal e-learning and training activities;
- Creating a portal for e-learning, learning modules scalable;
- Training courses sponsored by FOSTER with special attention to those whose function is to train to trainers
FOSTER Contents
Open Science Contents on the Portal

Started with a Content Call to the community

Content types are:
- Websites
- Presentations
- Videos
- Reports
- …
User Upload

- Any user can upload their content

- Each object is organized by topic, language, licence, stakeholder,… And validated by FOSTER consortium.
Existing Content & Taxonomy
Research Data Contents
FOSTER Training Events
FOSTER Training

Two types of Training Events:

- **Supported By FOSTER**
  - With support of FOSTER Consortium (example: 1 FOSTER speaker, with FOSTER contents, …)

- **Funded by FOSTER**
  - 2 calls to fund event have been done in 2014 and 2015
  - Leftovers used to fund more training events in 2016
FOSTER Events
FOSTER Training Events

More than 40 initiatives have been funded with more than 100 events in 20 countries!
Support The Training Activities / Events

Some information has been developed to promote and help the creation of new training activities and events.
Speaker Directory  -  https://goo.gl/sC5Oee

Filter Speakers
- By Topic
- By Stakeholder
<table>
<thead>
<tr>
<th>TOPICS (following the Research Lifecycle)</th>
<th>CORE LEARNING ELEMENTS</th>
<th>LEARNING OBJECTIVES (as basis for a LEARNING PLAN)</th>
<th>STAKEHOLDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Science Definition</td>
<td>Define the concept of Open Science</td>
<td>Define relevance of OS tools to Reproducibility/Integrity of Research</td>
<td>0</td>
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<tr>
<td></td>
<td></td>
<td>Identify OS tools for each step of the Research Lifecycle</td>
<td>0</td>
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<td></td>
<td></td>
<td>Apply OS concepts to your daily research processes</td>
<td>0</td>
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<td></td>
<td></td>
<td>Discuss OS &amp; Reproducibility role in Innovation &amp; Economic Growth</td>
<td>0</td>
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<tr>
<td>Open Reproducible Research</td>
<td></td>
<td>Identify OS tools for each step of the Research Lifecycle</td>
<td>0</td>
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<tr>
<td></td>
<td></td>
<td>Define relevance of OS tools to Reproducibility/Integrity of Research</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Justify Openness as a Reproducibility Tool</td>
<td>Apply OS concepts to your daily research processes</td>
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<td></td>
<td></td>
<td>Discuss OS role in Peer-Review Process</td>
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<tr>
<td></td>
<td></td>
<td>Discuss OS &amp; Reproducibility role in Innovation &amp; Economic Growth</td>
<td>0</td>
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<tr>
<td>Open Big Data</td>
<td></td>
<td>Define Open Big Data concept</td>
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<td></td>
<td>Identify services based on Open Big Data</td>
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<tr>
<td>Open Data Definition</td>
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<td>Define Open Data</td>
<td>0</td>
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<td></td>
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<td>Demonstrate the advantages of Open Data</td>
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<td>Open Data Journals</td>
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<td>Identify existing Open Data Journals</td>
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<td></td>
<td></td>
<td>Prepare a publication for an Open Data Journal</td>
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<tr>
<td>Open Data Standards</td>
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<td>Identify existing Open Data Standards</td>
<td>0</td>
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<tr>
<td></td>
<td></td>
<td>Use Identifiers for archiving &amp; citing research data</td>
<td>0</td>
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<tr>
<td>Open Data use and reuse</td>
<td></td>
<td>Understand of linked data</td>
<td>0</td>
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<tr>
<td></td>
<td></td>
<td>Select &amp; Use licences (e.g. CC) for datasets</td>
<td>0</td>
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<tr>
<td></td>
<td></td>
<td>Comply with Horizon2020 Open Research Data Pilot</td>
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</tr>
</tbody>
</table>

[Learning Objectives - https://goo.gl/XAk00v](https://goo.gl/XAk00v)
Learning Objectives

By choosing a topic by stakeholder, then the objectives, the course creator needs just to define the learning activities to be done by learners.
Toolkit for Training - [https://goo.gl/9McXe6](https://goo.gl/9McXe6)

- Examples of training initiatives
- Examples of Learning Objectives
- Organized by Stakeholder
FOSTER e-Learning Training
FOSTER Training

Two types:
- **Moderated Courses**
  - Defined in time with a trainer or moderator. Usually with online sessions (webinars).
- **Self-Learning Courses**
  - Each person can take the course when they want and for the time they want.
Available Courses

Currently, a set of basic courses have been done, focus on open science, open access, open data and policies.

Some of them have been translated into Polish, Portuguese and Spanish.
Translated Courses

COURSE: Pilotaż otwartych danych badawczych w programie Horyzont 2020
Intended audience: Project Managers, Researchers and Students, Policy makers and Funders, Librarians and Repository managers, Research Administration, PHD Students. Level: Introductory; no previous knowledge is required.
Crypt the course:
1. Poznanie wymagań zawartych w Pilotażu otwartych danych badawczych w programie Horyzont 2020;
2. Przybliżenie pojęć: otwarte dane, metadata, licencjonowanie, repozytoria;
3. Wskazanie najważniejszych materiałów informacyjnych i serwisów, które pozwolą wypełnić zobowiązania;
4. Przetwarczenie krótkich testów sprawdzających zrozumienie informacji.

COURSE: Acceso abierto a las publicaciones en el programa H2020
Intended audience: Researchers and Students, Librarians and Repository managers, Project Managers. Level: Intermediate; able to:
Determine the general objective of this course is to inform the researchers about how to comply with the mandate of the programme H2020 during the deposit of their publications in access open. The duration of the course is 3 hours, and the objectives of the course are:
- Comprender el contexto y el contenido del mandato del programa H2020.
- Saber cómo cumplir con el mandato de acceso abierto del H2020.
- Aprender a reutilizar las publicaciones depositadas del programa H2020.

COURSE: Acesso Aberto às Publicações Científicas do H2020
Intended audience: Researchers and Students, Librarians and Repository managers, Project Managers. Level: Intermediate; able to:
This course aims to inform the researchers about the fulfillment of the mandate of Acesso Aberto do Horizonte 2020 depositing their publications in Acesso Aberto.
Courses on Research Data

- Designing Successful Open Access and Open Data Policies: Introductory
- Designing Successful Open Access and Open Data Policies: Intermediate
- The Horizon 2020 Open Research Data pilot
- Open Access to publications in Horizon 2020
Research Data on FOSTER Project

• Strategic topic on the Open Science framework
• Open Access and Open Data Management as main topics on the training initiatives
• Still lot of advocacy / training to do
• Managing datasets is more complex than publications
• Data Curation Centre (DCC) as key partner on FOSTER
How it Works now...

Content is uploaded on the Portal and organized to fit the FOSTER Portal requisites.

Then the contents can be reused individually, on face-to-face courses or e-Learning courses.

The content from these new courses should be uploaded on the Portal!
What’s next?
The Future of FOSTER

The sustainability is focus on:
- The Partners
- The Community
- The existing Open Science organizations
What you can do?

- Upload Contents to the Portal
- Organize FOSTER initiatives
- Take existing Courses
- Translate Courses
- Create new Courses
- Reuse existing courses locally
Become a FOSTER Seeder!

Thanks!
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