

PDF issue: 2025-01-27

# <Lecture 3>FOSTER: Facilitating Open Science Training in European Research

### Rodrigues, Eloy

(Citation)

国際シンポ゙ジウム : HORIZON2020 によるオープンアクセス政策とオープンサイエンスの国際的

課題,9:1-34

(Issue Date) 2015-10-13

(Resource Type) conference object

(Version)

Version of Record

(URL)

https://hdl.handle.net/20.500.14094/90002913





Facilitating Open Science Training in European Research

Training for Open Science: the FOSTER approach





- Facilitate Open Science Training for European Research
- Two-year EU-funded FP7 project (Feb 2014 Jan 2016 Now extended until July 2016)
- 13 consortium partners (Project lead University Minho)
- Collaboration and support by 27 other organizations (Institutions, Graduate Schools, Associations from students and young researchers, etc.) from 13 countries
  - "Spread the seeds of Open Access and Open Science"



#### Overview

- 1. The FOSTER project
- 2. The FOSTER Approach
  - Identifying and Organising Training Resources
  - Releasing the FOSTER Portal
  - Conducting/Supporting FOSTER Training
    - Face2Face training
    - Elearning courses
- 3. Concluding Remarks



### **FOSTER Partners**

- Universidade do Minho Portugal (coordinador)
- Georg August Universitaet Goettingen Stiftung Oeffentlichen Rechts -Germany
- Danmarks Tekniske Universitet Denmark
- Stichting elFL.net Netherlands
- SPARC-Europe UK
- Stichting LIBER Netherlands
- University of Glasgow DCC UK
- Technische Universiteit Delft Netherlands
- The Open University UK
- ICM Uniwersytet Warszawski *Poland*
- Consortium Universitaire de Publications Numériques Couperin France
- Consejo Superior de Investigaciones Científicas Spain
- University of Edinburgh DCC UK





Facilitate Open Science Training for European Research

#### **OBJECTIVES**

- To support different stakeholders, especially younger researchers, in adopting open access in the context of the European Research Area (ERA) and in complying with the open access policies and rules of participation set out for Horizon 2020
- To integrate open access principles and practice in the current research workflow by targeting the young researcher training environment
- To strengthen institutional training capacity to foster compliance with the open access policies of the ERA and Horizon 2020 (beyond the FOSTER project)
- To facilitate the adoption, reinforcement and implementation of open access policies from other European funders, in line with the EC's recommendation, in partnership with PASTEUR4OA project

FOSTER

# The FOSTER approach

#### **METHODS**

- Identifying already existing content that can be reused in the context of the training activities and repackaging, reformatting them to be used within FOSTER, and developing/creating/enhancing contents as required
- Developing the FOSTER Portal to support elearning, blended learning, self-learning, dissemination of training materials/contents and a Helpdesk
- Delivery of face-to-face training, especially training trainers/multipliers who can deliver further training and dissemination activities, within institutions, nations or disciplinary communities





# Why does it matter?



- Openness will increasingly become a defining and inherent characteristic of all scientific research.
- Training is needed to foster new and developing skills (professional, organisational, managerial, intellectual...) in response to new practices, policies, and technologies.
- Training materials have been produced independently across the ERA, in a range of disciplinary contexts.
- There is a need for these dispersed materials to be evaluated, consolidated, and organised.







### **Training Resources**

# Content for Open Science – Open the shell and show us your pearls!

> Parent Category: News ■ Published Thursday, 10 April 2014 ▲ Written by Astrid Orth

Have you, or your organization, created or repackaged/reused quality content (from briefing papers, to presentations, videos, etc) on open access, open data and open science in any language, which can be useful and used on the FOSTER training cantral? We are now calling for the community contribution on the identification and mapping of relevant content which can be used for FOSTER training, to train researchers, project managers, administrators and future trainers in the benefits of Open Science and compliance with Horizon 2020 Mandate (Article 29.2 of the model Crant Agreement).

We are looking for a wide variety of content both thematically (from general open access advocac), to discipline specific promotion/training for open science) and regarding formats (from individual texts, silides or videos to full packaged training objects or courses). With your help, we want to showcase engaging and instructive training materials and reach out to diverse disciplinary communities and countries in the European Research Area.

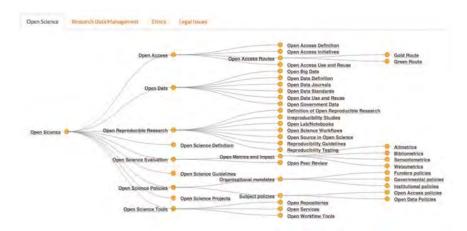


So if you have produced, used, or are simply aware of, quality content on open access, open data an open science, and want to give that content a wider audience and use in collaboration with the FOSTER training programme, please describe it using the form available at: http://goc.gl/me/QTEK

This call for content will remain open during the project lifetime, but we are aiming to have an initial relevant sample of content by early May, so we would be very grateful if you submit your content until April 30th



# Content Map/Open Science Taxonomy





### Training Resources

- Suggested by project consortium and community (ongoing) & created by Training events
- Identify, classify and prioritise content by target group, subject focus and level of expertise
- Minimum metadata for storage<sup>1</sup>: Title, General description of the resource, Author/Creator, Date, URL, Language, Target audience, Scientific discipline, Level of Knowledge, Main topic, Secondary topic, Resource licence, Media type, File type, Size
- Categorisation: 9 areas, 4 levels deep

<sup>1</sup> Based on DaMSSI-ABC-Classification Data Management Skills Support Initiative - Assessment, Benchmarking, Classification http://www.dcc.ac.uk/training/damssi-abc

FOSTER

# **FOSTER Training Content**

- Presentations
- Guides
- Publications
- Videos
- ....







# The FOSTER Portal



### The FOSTER Portal - Content/Resources



### The FOSTER Portal

- Organized according with the Open Science Taxonomy
- For each Topic the Portal presents the associated:
  - Resources
  - Events
  - Courses



### **FOSTER Portal**



- All materials are free to use, and can be edited, repurposed, recombined to suit your own training needs.
- Many of these materials are being compiled into courses. [Work in progress.]



### The FOSTER Portal - Events





Faculty of Social Sciences Kardelieva

The main goal is to promote open data in the research community and raise awareness about sharing research data and using existing research data. The course is designed for doctoral students from the field of social sciences and humanities.

Training consists of lectures and hands-on sessions focused on good Research Data Management practices and issues related to data sharing within the current EU frameworks, which foster open science.

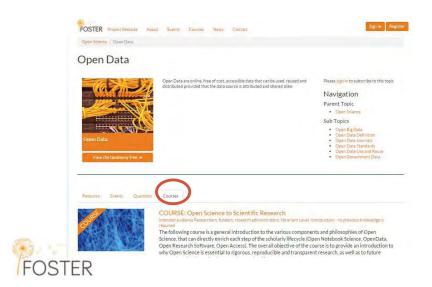
#### Topics to be covered:

- Research Data Management
- Legal and Ethical Issues
- Depositing and Using Data

Teaching is delivered through a combination of presentations, exercises



# The FOSTER Portal - Courses (Work in Progress)



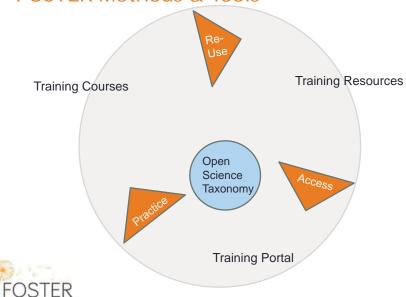
- Call 1 (March 2014 for events in 2014)
- 17 training programmes (over 70 events) in 13 countries (Belgium, Bulgaria, Croatia, Denmark, France, Germany, Greece, the Netherlands, Poland, Portugal, Slovenia, Spain and the UK)
- Call 2 (November 2014 for events in 2015)
   24 training programmes from 18 countries (Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Lithuania, Malta, Netherlands, Spain and United Kingdom)



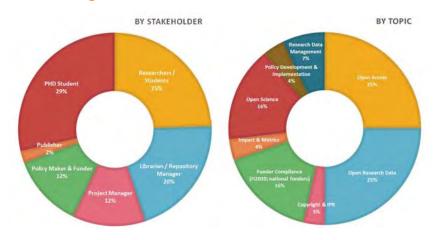
# FOSTER Traininig Programme 2014-2015



**FOSTER Methods & Tools** 

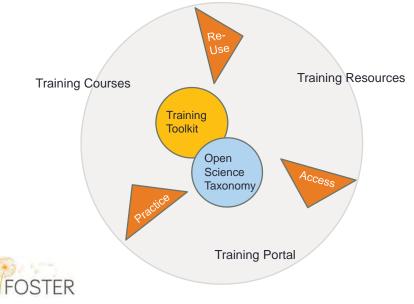


# Training Courses 2014





# **FOSTER Methods & Tools**

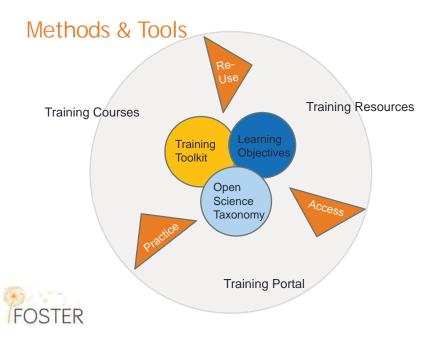


# **Training Toolkit**

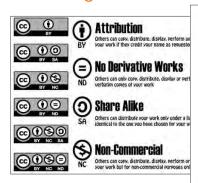
- Helping to create Training Events
- Suggestion: 6 TYPES OF TRAINING SESSIONS

Audience	Expert talk	Talk by peers	Panel session	Workshop	Group work/Break- out sessions	E-learning
Students & Academic Staff	х	×	×	X	х	х
Administrators & Librarians	х	×	x	×	x	x
Research Project Managers	х	x	×		×	x
Policy makers & Funders	х	x	x			x

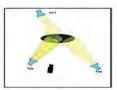
FOSTER



# Training Toolkit



- Do not sit too close to the background (wall), allow light to wrap a
   Avoid mixed light, daylight and artificial light. Try to sit opposite to from it but not in front of a window;
- If possible use a three way lighting, one main light (Key light), one light) and one light from the back to set you free from your backg. Lights should be as high as possible on tripods and make sure the picture.



#### CATION:

- Studio eligible for introduction video's
- Lecture hall eligible for live colleges
- . Lab eligible for demo clips for interpretation of tests
- Outdoors eligible for showing cases or examples

#### VIDEO FORMATS:

Mp4, mpeg format, H264 HD 1080P, YouTube HD, Vimeo HD



# **Learning Objectives**

TOPICS	CORE LEARNING ELEMENTS		STAKEHOLDER				
(following the Research Lifecycle)		LEARNING OBJECTIVES (as basis for a LEARNING PLAN)	Doctoral Students	Resear- chers	Research Project Managers	Knowledge Managers & Librarians	Funding Agencies
Open Science Definition	Define the concept of Open Science	Define relevance of OS tools to Reproducibility/Integrity of Research	0	0	0	0	0
		Identify OS tools for each step of the Research Lifecycle	0	0	0	0	
		Apply OS concepts to your daily research processes	0	0			
		Discuss OS & Reproducibility role in Innovation & Economic Growth	1	0	0	0	0
Open Reproducible Research	Define relevance to Reproducibility	Identify OS tools for each step of the Research Lifecycle	0	ū	Q	0	
		Define relevance of OS tools to Reproducibility/Integrity of Research	0	O	o	0	0
	Justify Openness as a Reproducibility Tool	Apply OS concepts to your daily research processes	0	0			
		Discuss OS role in Peer-Review Process	0	0			
		Discuss OS & Reproducibility role in Innovation & Economic Growth		0	0	0	0
	Open Big Data	Define Open Big Data concept			0	0	0
		Identify services based on Open Big Data			0	0	0
	Open Data Definition	Define Open Data	0	0	0	0	0
		Demonstrate the advantages of Open Data	0	0	0	0	0
	Como Data, laureado	Identify existing Open Data Journals	0	0		0	



https://goo.gl/IFGuhR

# Elearning courses

#### Courses

Are you interested in proposing new courses? Get in touch with us at elearning@fosteropenscience.eu and take a look at our course on "how to create a course".



COURSE: Making your Repository or Open Access Journal OpenAIRE compatible with OA Horizon 2020 requirements

Course for Repository managers, Data archives managers, Librarians, Journal editors and publishers, Data providers. Research managers and administrators.

- 1. Understand of the OpenAIRE infrastructure and content harvesting
- 2. Identify the OpenAIRE guidelines metadata specifications, levels and OAI sets
- 3. Define the levels of compatibility based on specific needs and technical context
- 4. Identify and implement system configurations, tools and facilities for repository platforms
- 5. Use the OpenAIRE validator tool for compatibility tests and registration



COURSE: Open Access to publications in Horizon 2020

The purpose of this course is to inform the researchers on how to comply with the H2020 mandate by depositing their publications in open access, Based on a total of 3 hours, the objectives are:

- Understand the value of the H2020 mandate
- . Comply with the H2020 OA Mandate
- · Reuse the publications in Horizon2020



COURSE: FOSTER Course on Course Creation

FOSTER

The aim of this futorial icto assist course instructors with creating new courses and editing existing ones in

### Taking & Designing courses

 Take a course about how to create your own courses out of the FOSTER resources:

https://www.fosteropensci ence.eu/content/fostercourse-course-creation

Propose courses

After completing the module, the course instructors will be able to:

- propose a course
- · upload course material in the portal
- create a course
- · add a lesson and lesson material
- create and add a quiz
- · publish the course communicate with the course participants (use the Forums)

If you would like to propose a course email us elearning@fosteropenscience.eu.

You have already enrolled on the course.

Go to the Course forum

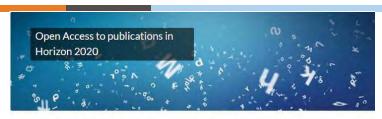
Course presentation



How to create and edit a course or course materials in the FOSTER portal

#### Show/Hide resources

- Printable guide of Course on Courses
- · Propose a course
- · Before creating a course
- Add course material
- · Video: How to upload the content to the portal
- Create a course
- Add a Lesson
- Add Lesson material



The purpose of this course is to inform the researchers on how to comply with the H2020 mandate by depositing their publications in open access. Based on a total of 3 hours, the objectives are:

- · Understand the value of the H2020 mandate
- · Comply with the H2020 OA Mandate
- Reuse the publications in Horizon2020

You are not logged in, in order to take the course you need to login

Go to the Course forum

Course presentation



- What is the H2020 Open Access Mandate?
  An explanation of the objectives of the H2020 Open Access Mandate
- . H2020 Open Access Policy Context
- EC position about OA on H2020



#### The requirements of the H2020 Mandate What, when and where to comply with the H2020 Mandate

- · Open Access Requisites for H2020 Mandate
- · 4 essencial questions on how to adhere to the EC Horizon 2020

Full details

Level of knowledge: Intermediate: able to











Researchers and Students Librarians and Repository managers

Share



Project Managers



## What you can do!

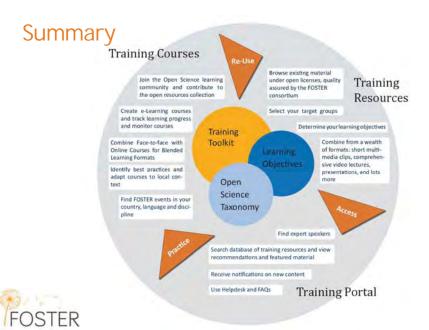
- Learn more http://fosteropenscience.eu
- Locate resources of use to you and your
- Notify FOSTER of any additional training materials (web form)
- Register with FOSTER to upload content to the Portal and stay up-to-date with news and further outputs
- Search the events calendar (right) for face-to-face trainings, talks or workshops.
- Consult FOSTER speakers list to invite to your own training events
- Give us feedback: quality and effectiveness of the training materials in the portal











# Thank you

- Website:
  - www.fosteropenscience.eu
- Contact details:
  - Eloy Rodrigues
  - eloy@sdum.uminho.pt





