



How FOSTER supports Open Science Training in the GeoSciences





About FOSTER

Facilitate Open Science Training for European Research

- Facilitate **Open Science Training for European Research**
- Two-year EU-funded FP7 project (Feb 2014 – Jul 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



“This project has received funding from the European Union’s Seventh Framework Programme for research, technological development and demonstration under grant agreement no 612425

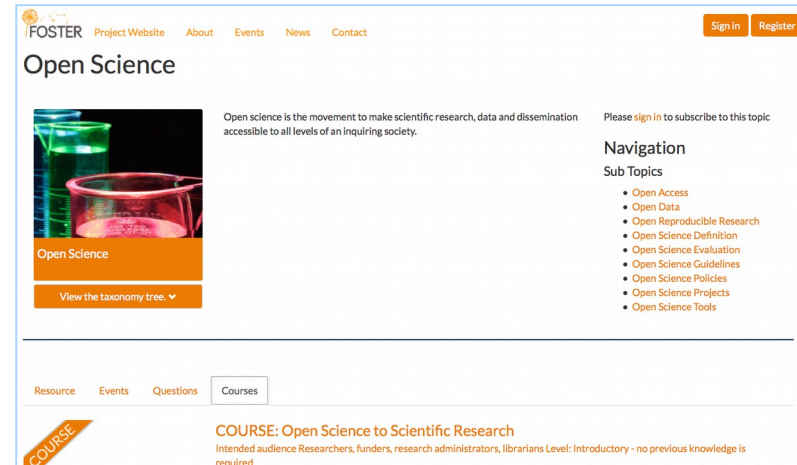
Science”

About FOSTER

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

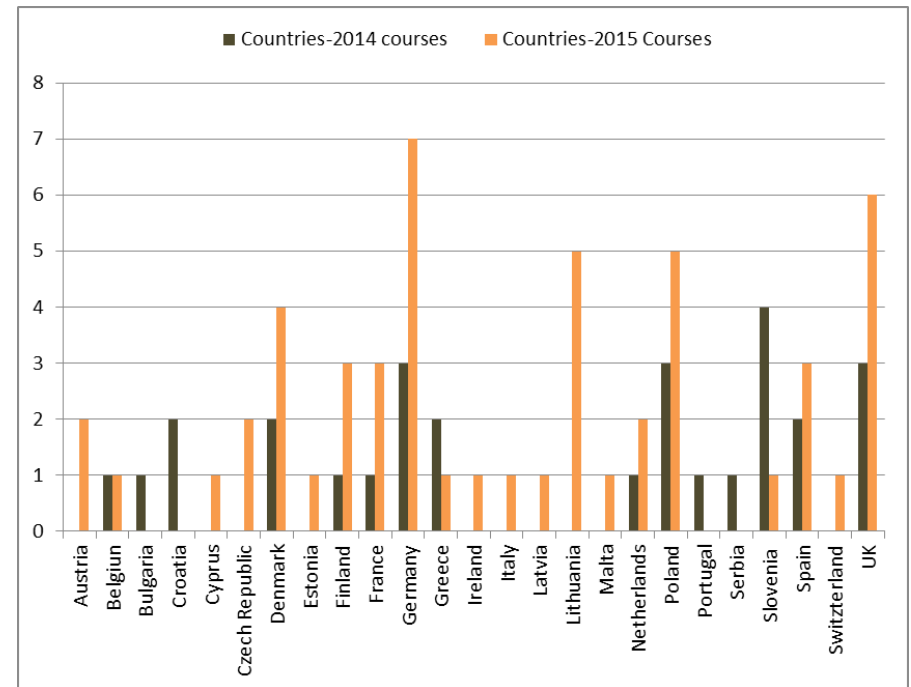
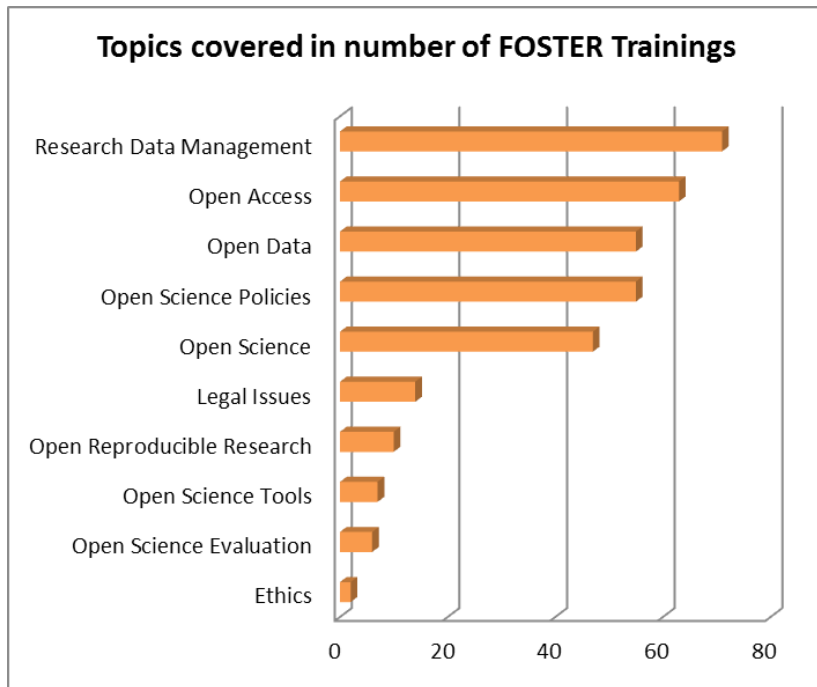


The screenshot shows the FOSTER website interface. At the top, there is a navigation bar with links for 'Project Website', 'About', 'Events', 'News', and 'Contact', along with 'Sign in' and 'Register' buttons. The main heading is 'Open Science'. Below this, there is a featured image of laboratory glassware with the text 'Open Science' and a button 'View the taxonomy tree. ▾'. To the right of the image, there is a definition of open science and a prompt to 'sign in to subscribe to this topic'. A 'Navigation' section lists 'Sub Topics' including Open Access, Open Data, Open Reproducible Research, Open Science Definition, Open Science Evaluation, Open Science Guidelines, Open Science Policies, Open Science Projects, and Open Science Tools. At the bottom, there is a 'COURSE' banner for 'COURSE: Open Science to Scientific Research' with details on the intended audience and level.

FOSTER Training Events

- More than 4600 participants in over 100 training events
- Diversity of approaches (institutional, national, discipline-specific), formats, geographies and languages
- Comprehensive coverage of Open Science topics
- Training all stakeholder groups: researchers, students, project, managers, research administrators, librarians and policy makers

Results of Training Events



- Preliminary analysis of training events

Courses and Contents for GeoSciences

Open Science trainings for Geo-Scientists

23.-25.9./21.-23.10./14.-16.12.2015 GFZ, Potsdam:

Software Writing Skills for your research

12.1.2016 Jaume I, Castellon: GEOTec UJI Workshop

Trainings for Young Researchers including GeoScience-specific sessions

19.10.2015 VUU, Amsterdam: Connecting Research Data - Workshop GIS-data

23.-24.4.2015 UNESCO, Paris: Open Science for Doctoral Schools - Marine Breakout

GeoScience Events with Open Science trainings

12.-17.4.2015 Vienna: EGU2015 - series of sessions and courses

2.2.2016 Un Ghent: MARES Conference - Open Science Training Workshop

Learning Resources for GeoScientists

- All materials from the trainings above is available via the FOSTER Portal
- Find learning objectives for PhD Students and (Early Career) Researchers
- Access existing training materials and re-use with help of training toolkit
- Take self-learning courses and track learning progress
- Combine online courses with webinars for blended learning success

Best Practices

- Not a „one fits all approach“
- Local organisation (national, institutional or subject-specific)
- FOSTER consortium expertise via invited speakers
- All training material made available and re-usable
- Train-the-trainer approach

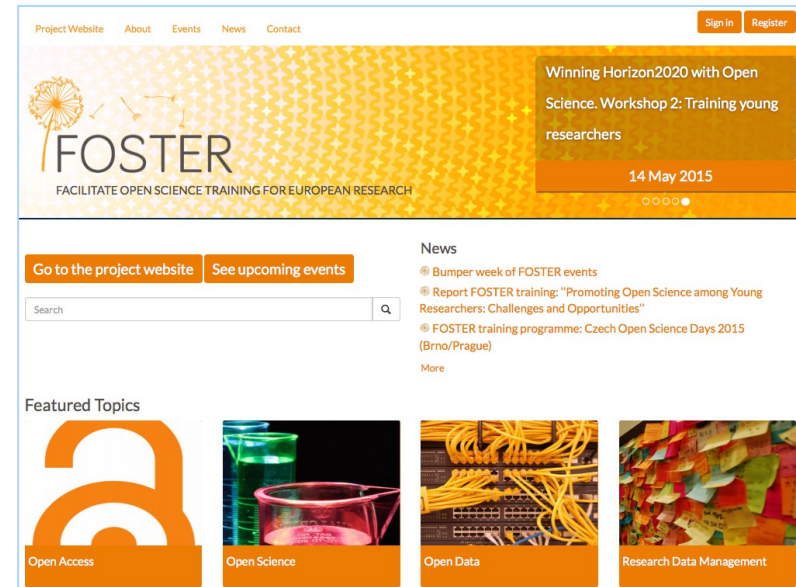
Thank you

- Website:

- www.fosteropenscience.eu
- @fosterscience

- Contact details:

- Astrid Orth
- orth@sub.uni-goettingen.de
- @ajancke



FOSTER Offering

Training Courses

Join the Open Science learning community and contribute to the open resources collection

Create e-Learning courses and track learning progress and monitor courses

Combine Face-to-face with Online Courses for Blended Learning Formats

Identify best practices and adapt courses to local context

Find FOSTER events in your country, language and discipline

Re-Use

Browse existing material under open licenses, quality assured by the FOSTER consortium

Select your target groups

Determine your learning objectives

Training Toolkit

Learning Objectives

Combine from a wealth of formats: short multimedia clips, comprehensive video lectures, presentations, and lots more

Open Science Taxonomy

Access

Find expert speakers

Search database of training resources and view recommendations and featured material

Receive notifications on new content

Use Helpdesk and FAQs

Practice

Training Resources

Training Portal













Training Toolkit

- Helping you to create your own successful Training Event
- Suggestion: 6 TYPES OF TRAINING SESSIONS

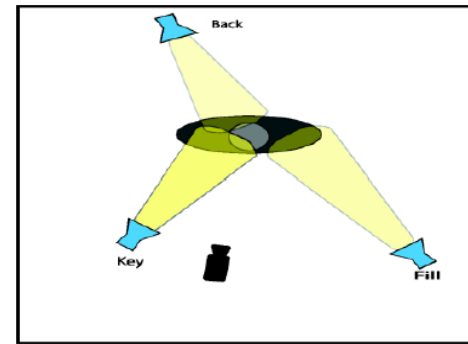
Audience	Expert talk	Talk by peers	Panel session	Workshop	Group work/Break-out sessions	E-learning
Students & Academic Staff	X	X	X	X	X	X
Administrators & Librarians	X	X	X	X	X	X
Research Project Managers	X	X	X		X	X
Policy makers & Funders	X	X	X			X

teaching (online courses, webinars, etc.).

Training Toolkit

	 Attribution Others can copy, distribute, display, perform and your work if they credit your name as requested
	 BY
	 No Derivative Works Others can only copy, distribute, display or perform verbatim copies of your work
	 BY
	 Share Alike Others can distribute your work only under a license identical to the one you have chosen for your work
	 Non-Commercial Others can copy, distribute, display, perform or your work but for non-commercial purposes only

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



LOCATION:

- 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

Help you in choosing learning resources

TOPICS (following the Research Lifecycle)		CORE LEARNING ELEMENTS	LEARNING OBJECTIVES (as basis for a LEARNING PLAN)	STAKEHOLDER		
				Doctoral Students	Resear- chers	
Research Data Mngmt	RDM Plans	Define RDM Plans	Indicate characteristics of the RDM Plans	0	0	
			Appraise the characteristics of a RDM plan to your discipline/project	0	0	
	RDM Policies	Prepare a RDM Plan	Create a RDM Plan	0	0	
			Apply the RDM Plan to your discipline/project	0	0	
	RDM Services	Understand RDM Policies	Identify RDM Policies		0	
			Comply with RDM Policies		0	
	RDM Standards	Identify RDM services	Identify relevant RDM Services		0	
			Categorize RDM Services		0	
			Integrate RDM services in your discipline/project/workflow		0	
	RDM Tools	Use RDM services	Evaluate & Compare RDM services		0	
			Describe existing RDM Standards	Identify existing RDM Standards	0	0
			Implement existing RDM Standards	Analyse RDM standards requisites	0	0
				Promote RDM Standards in your discipline/project	0	0
	RDM Tools	Identify existing RDM Tools	Apply existing RDM Standards	0	0	
			Identify existing RDM Tools	0	0	
Compare RDM Tools			0	0		
RDM Tools	Use RDM Tools	Select relevant RDM Tools	0	0		
		Evaluate the use of RDM Tools	0	0		

<https://www.fosteropenscience.eu/project> -> About the project -> Deliverables

FOSTER Portal

Search



- FOSTER training programme: "Open Access and Open Data in Horizon 2020"
- FOSTER training programme: Training the trainers on Open Access and Open Science

[More](#)

Featured Topics



Open Access



Open Science



Open Data



Research Data Management



Open Science Policies



Legal Issues



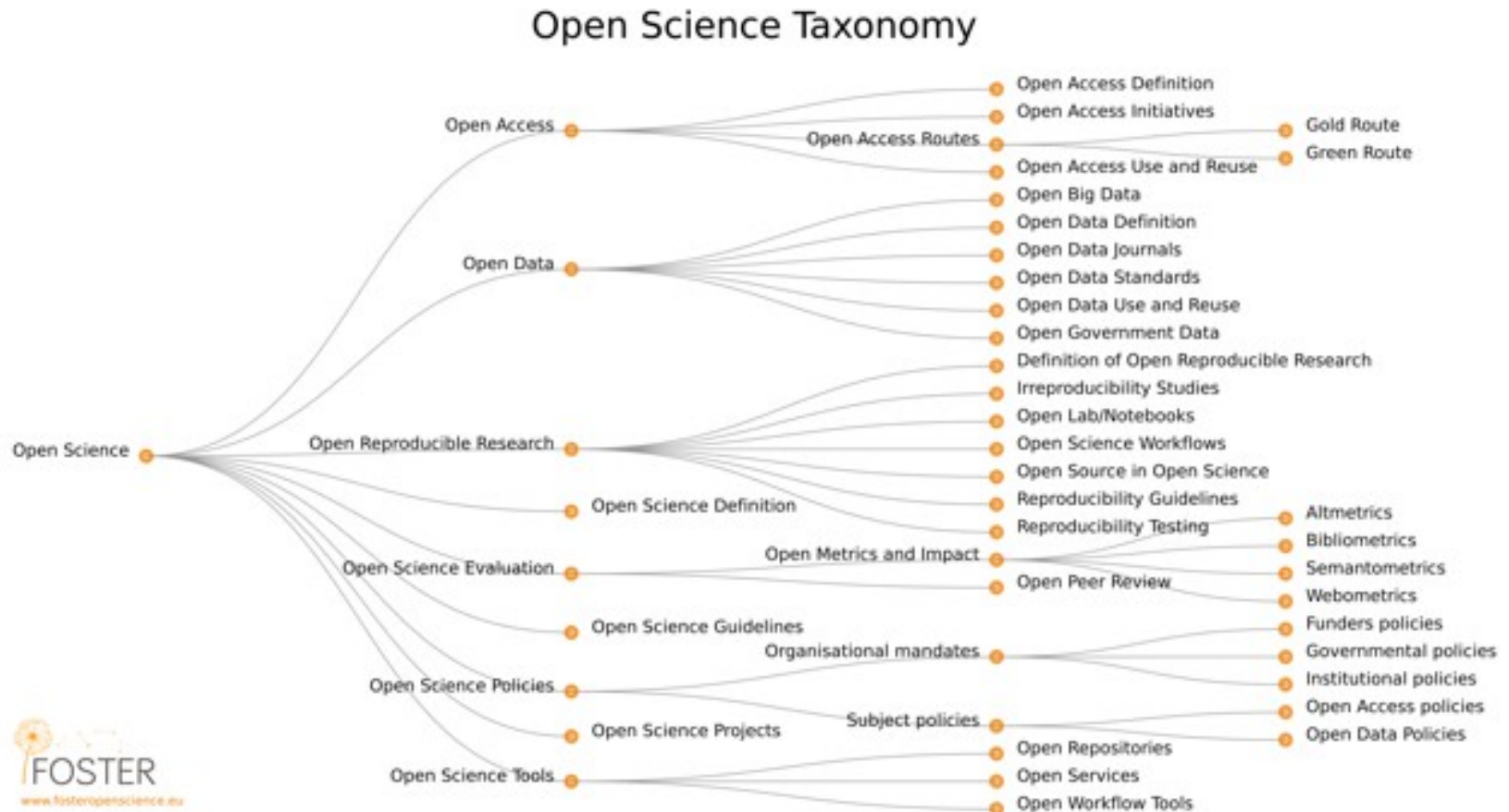
Open Access Routes



Open Access Use and Reuse

Open Science Taxonomy

Help you navigating training content



Taking & Designing courses

- Take a course about how to create your own courses out of the FOSTER resources:
<https://www.fosteropenscience.eu/content/foster-course-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](#)
- [Course presentation](#)
- [Add a Quiz](#)
- [Use the Forum](#)
- [Edit or publish your course or course material](#)
- [Certificate](#)