

D4.3 – Mid-term Training Report

WP4 - Training

UMinho

01/04/2015



Report of the training events and initiatives organized or co-organized by the project.

DOCUMENT DESCRIPTION

Deliverable number:	D4.3
Deliverable title:	Mid-term Training Report
Actual Date of Delivery:	M14
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Workpackage:	WP4
Distribution:	Public
Version/Revision:	V 3



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

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SUMMARY

The FOSTER project aims to support different stakeholders, especially young researchers, in practicing open access, open data sharing and open science.

More specifically, FOSTER objectives are to:

- Support different stakeholders, especially young 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;
- Integrate open access principles and practice in the current research workflow by targeting the young researcher training environment;
- Strengthen the institutional training capacity to foster compliance with the open access policies of the ERA and Horizon 2020 (beyond the FOSTER project);
- Facilitate the adoption, reinforcement and implementation of open access policies from other European funders, in line with the European Commission's (EC) recommendation, in partnership with the PASTEUR4OA project (<http://pasteur4oa.eu>).

This mid-term report provides an overview of FOSTER training sessions for different stakeholders in 2014. Based on the narrative reports from the training event organizers it summarizes good practice examples and shares the lessons learnt so that others organizing similar training activities could benefit from the experiences.

A list of FOSTER co-funded events is available here: <http://www.fosteropenscience.eu/events> and a list of FOSTER speakers is here: <http://goo.gl/40hsYV>.

On February 3, 2014 FOSTER announced a call for Open Science Training inviting proposals to host FOSTER training events on open access, open research data and open science.

45 training proposals, from 19 countries, have been submitted. And 19 proposal from 14 countries (Belgium, Bulgaria, Croatia, Denmark, France, Germany, Greece, Hungary, the Netherlands, Poland, Portugal, Slovenia, Spain and the UK) have been selected for FOSTER co-funding. Two training courses (Open Access: Moving from Policies to Best Practices, Central European University (Hungary) and Integrating the use of GIS in several subjects, European Association of Geographers (Belgium)) have been cancelled by the training event organizers.

With the help from the community the project has promoted and supported both engaging and instructive events that reach out to diverse disciplinary communities and countries in the European Research Area. In 2014 FOSTER co-funded 17 training programmes on open access, open data and open science (over 70 events) in 13 countries (Belgium, Bulgaria, Croatia, Denmark, France, Germany, Greece, the Netherlands, Poland, Portugal, Slovenia, Spain and the UK) in diverse formats attended by over 1700 researchers, students, project managers, research administrators, librarians and policy makers. An overview of these events (per country) is provided below.

BELGIUM: BOO(S)TCAMP OPEN SCIENCE

Country	Belgium
Stakeholders	Library / Repository Support; PHD Student
Topics	Open Access; Open Research Data
Attendants	60

Over 60 people attended a one-day [Boo\(s\)tcamp Open Science](#) in Leuven, Belgium, on October 24, 2014 during International Open Access Week themed “Generation Open”. Hosted by Katholieke Universiteit (KU) Leuven Research Coordination Office in collaboration with KU Leuven’s YouReCa (Young Researchers Career) initiative it was aimed at young researchers – PhD students, postdoctoral researchers and junior professors.

The day was launched with a crash course on the ideas and principles of open access and open data for newbies (“Learn to speak Open”), followed by a Q&A with a panel of research funders with open access/open data mandates (“Ask the Funders”) – FWO (Flemish Research Fund), FNRS (Walloon Research Fund), BELSPO (Belgian Federal Research Fund), ERC/FP7 and NIH. The floor was then given to Open Science testimonials from the Life Sciences, STEM and Humanities (“Meet the Experts”) with practical tips on how to open up your research and give it a boost.

The programme was split into two parts – one geared for KU Leuven researchers (informing them about institutional initiatives – the Open Access Support desk, the DMP Online plan, etc.) and the public programme in the afternoon open for anyone wishing to attend aimed to introduce what Open Science is about (practice & benefits), how the trend to Openness also affects the publishing world, provide down-to-earth practical testimonials from researchers using/providing open data, and a panel discussion with funders.

The event programme with presentations is available here: <http://www.kuleuven.be/research/bootcamp/> and the event page on FOSTER portal with presentations, etc., is here: <https://www.fosteropenscience.eu/event/boostcamp-open-science>.

The participants said that the event was worth attending and they now have a better understanding of principles and ways to open access. KU Leuven will repeat a successful introductory session on ‘What, How & Why of Open Access – And Who Pays the Bill’ to keep encouraging young researchers to practice open access and open data.

The participants also had a chance to preview and comment on KU Leuven’s Research Data Policy draft and its customized DMP Online management application. When launched, more training sessions for librarians and researchers will take place including info sessions on data management plans, services for data storage/sharing with a special focus on good metadata (‘Open Data requires Good Data’). It is also expected that a larger community will be involved in Open Science projects – the creation of an Open Science portal (possibly with twitter account/ mailing list) is planned.

BULGARIA: AUTUMN TRAINING SCHOOL “DEVELOPMENT & PROMOTION OF OPEN ACCESS TO SCIENTIFIC INFORMATION AND RESEARCH”

Country	Bulgaria
Stakeholders	Researcher / Students; Library / Repository Support; Project Manager; Policy-makers & Funders;
Topics	Open Access; Open Research Data
Attendants	20

Over 20 participants attended the [autumn training school “Development & promotion of open access to scientific information and research”](#) in Veliko Tarnovo, Bulgaria, on September 18-21, 2014.

The event organizer – Institute of Mathematics and Informatics of the Bulgarian Academy of Sciences – planned as an ambitious programme targeting researchers, project managers, funders and policy makers training them on integrating open access and open data principles and practices into their current research work-flows:

- Key aspects and approaches of open access, open research data and open science
- Open science for ubiquitous sharing, dissemination and impact
- Business models for open access
- Copyright and licensing in open access projects
- Open research data
- Policy framework and roadmap for open access, open data and open science
- EC policy and recommendations for open access to scientific information and its preservation
- Horizon 2020 mandate on Open Access to publications
- Horizon 2020 Open Research Data Pilot
- OpenAIRE and its services for Horizon 2020 compliance

The event programme and presentations are available here: <https://www.fosteropenscience.eu/event/autumn-training-school-development-and-promotion-open-access-oa-scientific-information-and>. It had an extensive media coverage (over 20 publications/radio and TV reports).

CROATIA: OPEN SCIENCE – ALL YOU WANT TO KNOW ABOUT OPEN ACCESS, OPEN DATA AND NEW TRENDS

Country	Croatia
Stakeholders	Researcher / Students; Policy-makers & Funders; PHD Student
Topics	Open Access; Open Research Data; Funder Compliance (H2020; national funders); Open Science;
Attendants	480

Over 480 people attended 20 events [Open science – all you want to know about open access, open data and new trends](#) hosted by Ruđer Bošković Institute in October-November, 2014 in seven Croatian universities (Ruđer Bošković Institute, University of Dubrovnik, University of Osijek, University of Rijeka, University of Split, University of Zadar and University of Zagreb) and in Croatian Ministry of Science, Education and Sports. The events targeted all major stakeholders – students and PhD students, researchers, librarians (for train-the-trainers events), journal editors and publishers and policy makers. At each university two types of events have been organized – lectures and workshops about open access, open data and open science and train-the-trainer event on how to organize events about open access, open data and open science (for librarians and LIS students).

Presentations have been deposited in Ruđer Bošković institutional repository FULIR (<http://fulir.irb.hr/>) and are available on Ruđer Bošković Institute Library webpages (<https://www.lib.irb.hr/foster/>).

The feedback gathered from the participants was excellent. The majority of participants were more than satisfied with the quality of lectures/workshops, as well as topics covered and a great number of them become very enthusiastic about open access and open science.

Among the project key results are the following:

- Raising awareness among Croatian academic society about benefits of open access for all stakeholders;
- Introducing new concepts and trends of open science;
- Correcting common misperceptions about open access (e.g. connecting it with scientific misconduct, plagiarism and other negative contexts which some scientist had as a result of insufficient information they had);
- Raising awareness about importance of self-archiving of research papers in institutional repositories;
- Raising awareness about importance of retaining copyright for archiving post-prints in open access repositories;
- Presenting EU OA initiatives, especially Horizon 2020 Open Access mandate;

- Introducing Zenodo as a shared open access/open data repository and hands-on experience with depositing scientific outputs into it;
- Disseminating information about Open Research Data Pilot in Horizon 2020;
- Introducing data management planning;
- Raising awareness among policy makers about the benefits of open access and the need for implementing institutional/founder/national self-archiving mandates.

The event organizers solicited a principal approval for open access mandate on the institutional level at the Ruđer Bošković Institute, which would be the first institutional open access mandate in Croatia. And the Croatian Science Foundation has implemented an open access mandate as a part of the project contracts they sign with Croatian scientists.

Ruđer Bošković Institute Library will keep working on further education and raising awareness about open access, open data and open science topics among Croatian academic society through its participation in other related projects – OpenAIRE2020 (as a National Open Access Desk) and one of the project magers – Jadranka Stojanovski is also a National Point of Reference for Open Access in Croatia. In cooperation with other Croatian academic institutions, they will continue working on modelling and implementating Croatian Open Access infrastructure – the DABAR platform which will allow all Croatian academic institution to maintain their institutional repositories on centralized platform. They will also work on adopting rhe first institutional open access mandate at the Ruđer Bošković Institute and help other institutions to do the same.

DENMARK: OPEN ACCESS SEMINAR FOR RESEARCH ADMINISTRATORS

Country	Denmark
Stakeholders	Library / Repository Support; Project Manager; Policy-makers & Funders
Topics	Open Access; Funder Compliance (H2020; national funders); Open Science
Attendants	40

Over 40 research administrators attended [Open access seminar for research administrators](#) in Aarhus University Library, Denmark, on October 27, 2014. Research administrators were aware of the increasing demands for open access from funding bodies including Horizon 2020 and the European Research Council (ERC). However they still had various concerns, which needed to address:

- Will it be too time consuming for researchers to comply with funders’ open access policies?
- Will people cite the right version of the article?
- Are open access journals inferior in quality etc.?

The overall objective of the seminar was to give a broader and more nuanced insight into open access policies development, implementation and compliance.

The programme of the event (presentations and discussions):

- Open access in Denmark – new politics and demands
- EC policies, Horizon 2020 and ERC, possibilities and challenges
- University perspective – what does it take to handle the new challenges at institutional level
- Workshop for librarians working with open access: Winning Horizon 2020 with open science

More information and presentations are here: <http://www.fosteropenscience.eu/event/open-access-oa-seminar-research-administrators-0>. And the recordings of the presentations are here: <http://medarbejdere.au.dk/openaccess/strategic-seminar-on-open-access/>.

University management and research administrators found the seminar very inspiring for the further process of developing a strategy and an implementation plan for open access at Aarhus University and in Denmark.

FRANCE: PUBLICATION AND OPEN ACCESS: CHALLENGES AND OPPORTUNITIES

Country	France
Stakeholders	Researcher / Students; PHD Students
Topics	Open Access; Open Science
Attendants	120

Over 120 people attended [Publication and open access: Challenges and opportunities](#): Help young researchers to publish in Open Access event at Maison Jean Kuntzmann, campus de Grenoble, France, on October 24, 2014. Hosted by the Universities of Grenoble Alpes and Savoie-Mont-Blanc it was aimed at helping young researchers, especially PhD students, to understand changing scholarly communication landscape and to encourage them to start practicing open access. The event was also live streamed at two locations of the University of Savoie-Mont-Blanc and there were over 50 online attendees.

The project was a cooperation of the team working on the development of HAL Open Archive for Université de Grenoble Alpes (academic librarians and information managers), the team of trainers working in academic libraries and the Doctoral College, the Research Services of the universities and the Common Communication service of Université Grenoble Alpes (COMUE).

The programme of the event and presentations are available here <http://aogrenoble14.sciencesconf.org/> and here <https://www.fosteropenscience.eu/event/publication-and-open-access-challenges-and-opportunities>. It consisted of the conference session, testimonies from researchers practicing open access and thematic workshops on open access, HAL, open data and legal issues. Recorded presentations are available here: <http://guide-hal.univ-grenoble-alpes.fr/fr/notre-dispositif/les-evenements-archives/journee-foster-2014/>; here: <http://podcast.grenet.fr/podcast/publication-et-acces-ouvert-defis-et-opportunités/> and here: <http://mi2s.imag.fr/pm/publication-et-acces-ouvert-defis-et-opportunités>.

The event has reached the initial goals and over 85% of the participants were satisfied. They have especially appreciated a session on Horizon 2020 Open Access mandate and Open Research Data Pilot and Liege University Open Access mandate experience, as well as researchers’ testimonies and the legal issues workshop.

The team plans to continue this event as a regular one. A special focus is put on trainings for doctorate students – academic libraries offer training modules on open access and each training session for doctorate students (legal issues, scientific journals, and information retrieval) contains a part dedicated to open access.

GERMANY: (1) COSCIENCE – GEMEINSAM FORSCHEN UND PUBLIZIEREN MIT DEM NETZ; (2) OPEN HUMANITIES @ THE HUMANITIES & TECHNOLOGY CAMP (THATCAMP); AND (3) OPEN ACCESS AMBASSADORS @ MAX PLANCK

COSCIENCE – GEMEINSAM FORSCHEN UND PUBLIZIEREN MIT DEM NETZ

Country	Germany
Stakeholders	Researcher / Students; PHD Students
Topics	Open Access; Open Research Data; Research Data Management
Attendants	211

German National Library of Science and Technology / Technische Informationsbibliothek (TIB), Hannover, Germany, hosted a series of webinars [CoScience - Gemeinsam Forschen und Publizieren mit dem Netz](#) in October 2014 – February 2015 about open science/collaborative science based on the handbook '[CoScience – Gemeinsam forschen und publizieren mit dem Netz](#)'. The webinars took place in the form of moderated discussions (enriched and expanded by slides and demonstrations of software applications). Active participants had the opportunity to interact with the expert(s) during the webinar.

Main topics covered:

- Making research data and publications openly available as part of the overall research process, with examples from different disciplines;
- Making full use of available online tools for data gathering, processing, presentation, as well as (collaborative) writing, dissemination, and discussion; and
- Understanding and learning from good practices in these areas.

OPEN HUMANITIES @ THE HUMANITIES & TECHNOLOGY CAMP (THATCAMP)

Country	Germany
Stakeholders	Researcher / Students; Library / Repository Support; Project Manager; Publishing; PHD Student
Topics	Open Access; Open Research Data; Copyright & IPR; Open Science;
Attendants	60

Over 60 people attended a series of Open Humanities training sessions [Open Humanities @ The Humanities & Technology Camp \(THATCamp\)](#) in Georg-August Universität Göttingen, Göttingen Centre for Digital Humanities (Germany) on September 22-23, 2014 – a pre-conference event of the 50th Convention of German Historians, Historikertag (one of Europe's largest humanities conferences).

The aim of the project was to organise a series of training sessions on 'Open Humanities' to help raise awareness of 'Open Science' among students and researchers in the Arts and the Humanities. Running alongside self-organised 'barcamp' sessions, the Open Humanities training sessions were intended to cover the following topics:

- Open Humanities (open access, open data, open standards and open attitude), Open History (a specific session dedicated to openness for historians);
- Open Humanities Data (data sharing, licensing, linked data technologies and the semantic web);
- Open Access for Digital Arts and Humanities in Europe (Open Access repositories and innovative types of publication platforms for the arts and humanities).

The event programme is here: <http://goettingen2014.thatcamp.org/schedule/>.

The following videos were the key outcomes of the event:

- Introducing Open Humanities
 - Sally Chambers: Open Humanities @THATCamp Gottingen | video: <http://youtu.be/wv2H2h9y164>
 - Astrid Orth: FOSTER (Facilitate Open Science Training for European Research) | video: <http://youtu.be/OHnN1tgnVi8>

- Laurent Romary: Open Scholarship: it's all mine, it's all yours | video: <http://youtu.be/dfE1kEbLDVg>
- Open Humanities: Legal Issues
 - Walter Scholger: Problems and Solutions: IPR and Open Access; video: <http://youtu.be/bFua--AdBW8>
- Open Humanities: Open Data
 - Alexander O'Connor: Linked Data and the Semantic Web - Making Human Knowledge Programmable; video: <http://youtu.be/M92QxRsbVkc>
- Open Humanities: Open History
 - Tobias Wulf, Sascha Foerster, Lisa Bolz, Charlotte Janz, Petra Tabarelli, Franziska Heimberger, Michael Krause; video: <http://youtu.be/HTQ8wyl8eLU>

The programme took into consideration the expectations and requirements of the ERA and Horizon 2020 regarding open science and open access, with the view to advocating for the practical adoption of these principles by the target community. It is intended that these video tutorials can be used as building blocks for an 'Open Humanities' training package, which can be disseminate widely within such networks as DARIAH-EU. They can also be used as standalone training materials that can easily be 'plugged' into other learning contexts. For example, they could be used as training material in face-to-face courses or for self-learning online.

These videos will be made available on a number of websites of particular relevant to the target audience including, the [THATCamp Gottingen website](#), the [Gottingen Centre for Digital Humanities website](#) and the FOSTER Open Science training portal. It is intended that these videos could be a first stepping stone towards creating an Open Humanities training package which could be offered as a contribution to DARIAH, the Digital Research Infrastructure for the Arts and Humanities. For example the DARIAH-EU Virtual Competency Centre Research and Education blog on the

Hypothesis.org scholarly blogging platform: <http://dariahre.hypotheses.org/>.

In 2015 the 'theme' for DARIAH, the Digital Research Infrastructure for Arts and Humanities is 'Open Humanities'. The DARIAH Theme is a series of activities and events related to an annual thematic priority set by the Board of Directors. The opportunities for disseminating the results of 'Open Humanities @THATCamp Gottingen' within this context will be explored.

OPEN ACCESS AMBASSADORS @ MAX PLANCK

Country	Germany
Stakeholders	Researcher / Students; PHD Students
Topics	Open Access; Open Science
Attendants	70

Over 70 people attended [Open access ambassadors @ Max Planck](#) training programme at Max Planck Society in Munich, Germany, on December 3-4, 2014.

Inspired by the “satellite conference” during the Berlin 11 conference series in November 2013 the idea of a novel Open Access campaign specifically for PhD students within the Max Planck Society was born: To strengthen the idea of open access within the community of young researchers we train selected PhD students, who are sent as representatives from each Max-Planck-Institute (80 institutes) to become open access Ambassadors. They will then carry the message of open access further.

The aims of the Open Access Ambassador training programme were

- to disseminate and multiply the principles of open access and open data among young scientists;
- to integrate open access principles as a standard process in the research work-flow of early stage researchers at the Max Planck Society; and
- to create a real change and a sustainable transition towards open access in the long term.

These Open Access Ambassadors of each Max-Planck-Institute will be responsible for open access and related topics within their own institute. They act as a multiplier notably for PhD students and young postdocs. Each Open Access Ambassador should give one or two workshops or lectures per year about open access and open data principles tailored to the particular needs of their institute. They can furthermore directly support young scientists and help them to integrate open access practices in their daily workflow as well as they should act as a local open access expert and contact person who has expertise in all kinds of questions regards to publishing, copyright, and self-archiving. Additionally, they are encouraged to organize further activities locally on their institutes.

Presentations from the event are available here: <http://oambassadors.mpdl.mpg.de/programm>

The conference programme was designed to include talks as well as workshop elements. A special emphasis was on researchers’ perspectives on open access and provided an overview over the field of open access publishing. The workshop section also included a presentation of the services and tools for open access publishing and data management offered to Max Planck researchers by the Max Planck Digital Library. Additionally publishers’ session have been set where seven Open Access publishers had ten minutes each to introduce their concepts of Open Access publishing.

The conference was an initial spark for the buildup of a lively network of advocates for open access and open science among researchers within the Max Planck Society and beyond. The event seems to have furthermore attracted attention globally given a strong resonance at Twitter. There is also evidence that the concept of the “Ambassadors” will be adapted by others. In January 2015 Open Access India had already followed the footsteps of the Max Planck Society’s Open Access Ambassadors Scheme and nominated two young researchers as Open

Access Ambassadors in India (<http://openaccessindia.org/introducing-open-access-india-ambassadors/>).

The first evaluation of the Ambassadors' actions will start in the first quarter of 2015 and on their experiences they have made by then. And regular meeting series for ambassadors are planned.

GREECE: OS3: OPEN SCHOLARSHIP SUMMER SEMINAR

Country	Greece
Stakeholders	Researcher / Students; PHD Students
Topics	Open Access; Open Research Data; Impact & Metrics; Open Science
Attendants	40

Over 40 people attended [OS3: Open Scholarship Summer Seminar](#) in Library & Information Center, University of Patras, Greece, on July 10-11, 2014. The main objective of the training event was to bring together Greek postgraduate students and young researchers (biomedical and applied sciences, as well as humanities) and to introduce them to the challenges and opportunities of the open scholarship agenda in different perspectives of scholarly research activity (open access, open educational resources, open research data, open knowledge).

During the event, participants worked together in small groups to develop projects aimed at "opening" their research in various levels. Training topics included:

- The fundamentals of the Scholarly Communication lifecycle
- Open Knowledge and Open Education: introducing paradigm shifts
- Getting published in the right way: literature review, information search & retrieval, writing & editing, peer review & quality control processes, reputation & metrics etc
- Open Access: basic concepts & publishing models
- Open Data: why, where & how
- Tools and standards: open standards, open source software, scientific and research networks & social media, cloud/sharing technologies, crowd-sourcing, data repositories etc.
- Digital preservation, long term access and reusability of research results
- Copyright issues

The OS3 was a very successful seminar. Participants said that it was a very informative seminar that helped them practice the tools, understand challenges and benefits of publishing their work in an open access environment. They also understood the EC open access policy for publications and research data and how to comply with them in the framework of the Horizon 2020.

A special channel was created in Vimeo to gather all videos: <http://vimeo.com/channels/os3/104388282>. Presentations are available here: http://www.lis.upatras.gr/events/?event_id_1=23 and here: <https://www.fosteropenscience.eu/event/os3-open-scholarship-summer-seminar-0>.

After the positive conclusion of OS3, the Library intends to add this event in its calendar in order to train all postgraduate students (post-graduate programmes are two-years long) as soon as they start their postgraduate research.

THE NETHERLANDS: WORKSHOP ON OPEN WORKFLOWS FOR QUANTITATIVE SOCIAL SCIENTISTS

Country	Netherlands
Stakeholders	Researcher / Students; PHD Students
Topics	Funder Compliance (H2020; national funders; Open Science
Attendants	12

12 people attended a two-day [Workshop on open workflows for quantitative social scientists](#) hosted by Stichting VU-VUmc (VU University Amsterdam, Faculty of Economics and Business Administration). This workshop covered the main ideas behind a well-designed workflow with openness, transparency and reproducibility in mind, *and* provided an introductory, hands-on, overview of a set of free tools that have been designed with such values in mind.

The structure of the workshop was organized in two main blocks. Firstly, basic concepts such as Open Science, transparency and reproducibility have been presented. These somewhat abstract ideas are made operative through the concept of the workflow, as the vehicle to embody these principles in daily practice. The second, longer, part of the workshop included a hands-on overview of specific tools that have been designed with Open Science principles in mind and that hence provided the ingredients of a well-thought open workflow. This was delivered alternating presentation time with demo time, allowing participants to get a real taste of what using the tools implies and see live their advantages.

At the end of the workshop participants were foreseen to reproduce and make openly available [this](#) paper. For most participants this was a bit too optimistic. However, at the end of the workshop participants were able to:

- recognise the importance of version control systems;
- apply markdown text in an RStudio environment;
- understand the basic syntax of R;

- tangle R code and markdown text, and
- understand how open repositories such as GitHub work.

The department of Spatial Economics (where most participants originated from) already indicated that they fully support this initiative and would like to make it a recurring event, possibly incorporated in the curriculum (but then more geared to master students and starting PhD's). Contacts have been made as well with the Universities library to see whether elements can be incorporated as well in a general workshop/online manual for PhDs concerning data management.

A training programme has been developed and published online. All the materials included and used at the workshop, are hosted as an open GitHub repository (<https://github.com/darribas/WooWii>). This means anyone can clone it and access not only the entire website and materials but also the revision history tracked using git.

The workshop consisted of 5 modules:

1. Introduction
2. Version control & automation
3. Typesetting
4. Statistical analysis
5. Online publishing

Except for the introduction, all modules were accompanied with hands-on assignments or exercises. Specific materials used can be downloaded from <http://darribas.org/WooWii/download.html>.

In general the workshop was perceived both by the lecturers and the participants as useful, timely and in general very much needed. Participants were especially positive about:

- getting an overview of the latest tools for openness and reproducibility;
- the possibility of using markdown to create slides very efficiently;
- the concept of Git as a version control system, and
- the intensity of the workshop itself using introductory slides and hands-on assignments with one's own laptop.

After the workshop participants indicated that although the whole package of tools is perhaps a bit too much (or complex) to start using, but that certain tools (most notably markdown and git) were certainly interesting enough to start using right away (if only to make those nice looking lecture slides).

For future events, the amount of material should at least be less and less condensed. The workshop has now been designed in five modules, such that they can be deployed separately, so that we can target large international conferences in smaller, more dedicated to one topic, workshops of four hours but as well summer schools in larger workshops of a couple of days. The first target is the summer school of ERSA in 2015 (<http://www.ersa.org/events/how-to-apply/>).

A different line of future activities is to incorporate the material developed in the curriculum for master students of starting PhDs. The intention has been expressed to use these materials in a couple of lectures taking place in January, 2015 (just before the start of the Master theses).

POLAND: TRAINING THE TRAINERS ON OPEN ACCESS & OPEN SCIENCE

Country	Poland
Stakeholders	Researcher / Students; Library / Repository Support
Topics	Open Access; Open Science
Attendants	29

Ten Open Access trainers have been trained during the [Training the trainers on open access & open science](#) workshop hosted by Centrum Cyfrowe on October 17-18, 2014 in Warsaw, Poland. They discussed and created scripts for open access workshops for different academic groups (all of them are available online and ready to use under Creative Commons license). All participants were satisfied with the workshop and will lead their open access workshops in their universities/libraries. As a result at least 100 people in Poland will be trained on Open Access.

19 scientists attended a workshop on Open Access in Polish Science Foundation on October 23, 2014. They were also satisfied with the workshop and especially liked the sessions on the legal aspect of open access (copyright and Creative Commons licences), practical ways of publishing in open access, open access benefits and preprints and post prints definitions.

PORTUGAL: POST-CONFERENCE (PORTUGUESE-BRAZILIAN OPEN ACCESS CONFERENCE) WORKSHOPS ON OPEN ACCESS IN H2020

Country	Portugal
Stakeholders	Library / Repository Support
Topics	Open Research Data; Funder Compliance (H2020; national funders); Research Data Management
Attendants	149

Over 140 people attended two [Post-Conference \(Portuguese-Brazilian Open Access Conference\) Workshops on open access in H2020](#) in University of Coimbra, Portugal, on October 8, 2014. They have been organized to support different stakeholders, especially young 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. These workshops were attached to the 5th Portuguese-Brazilian Open Access Conference (ConfOA), held on the 6th to 8th October, 2014 in the University of Coimbra, gathering 250 participants, (repository managers, librarians, open access advisors and researchers).

85 people attended Workshop 1 – Institutional repositories and the Open Data Pilot on Horizon 2020 (3 hours) organized to prepare Portuguese repository managers and librarians to perform new roles and offer new services on Research Data Managements issues and specifically to handle Horizon 2020 Open Research Data Pilot requirements; and to provide repository managers with the soft skills to develop local data curation capacity, manage access to research data collections and to offer new library and repository services on providing researcher data advice on writing Data Management plans or advice on RDM within a project.

64 researchers and PHD students attended Workshop 2 – How to comply with H2020 OA requirements (2 hours) aimed to inform researchers about the open access and open data policies in H2020. The workshop provided detailed information on the open access to publication requirements, on the pilot action on open access to research data/research data management plans and on integrating those requirements throughout the project lifecycle. Portuguese researchers and academics increased their awareness on European Commission Open Access policies, and have a better understanding of the benefits of Open Access and compliance with the H2020 requirements (specifically on how to comply with those requirements when they submit a paper, deposit a publication or acknowledge project funding).

Presentations and video recordings are available on web pages of the University of Coimbra (<http://www.uc.pt/sibuc/5CONFOA/w5confoa>) and the conference (<http://www.acessolivre.pt/c/index.php/confoa2014/2014/schedConf/program>). They have already been re-used during Open Access Week events and will be used again during Portugal Scientific Repository on Open Access (RCAAP) meeting 2015.

For all presentations, see:
<http://www.acessolivre.pt/c/index.php/confoa2014/2014/schedConf/program> and
<https://www.fosteropenscience.eu/event/post-conference-portuguese-brazilian-open-access-oa-conference-workshops-oa-h2020>.

SLOVENIA: (1) OPEN ACCESS TO PUBLICATIONS AND OPEN RESEARCH DATA AND (2) RESEARCH DATA MANAGEMENT AND OPEN DATA

OPEN ACCESS TO PUBLICATIONS AND OPEN RESEARCH DATA

Country	Slovenia
Stakeholders	Researcher / Students; Library / Repository Support; Policy-makers & Funders; PHD Students
Topics	Open Access; Open Research Data; Funder Compliance (H2020; national funders); Policy Development & Implementation
Attendants	68

68 participants attended three training events [Open access to publications and open research data](#) at the University of Ljubljana, Slovenia, on September 24-25, 2014 – for Slovenian decision makers in science, for the researchers of the University of Ljubljana and for the librarians of the University of Ljubljana. European open access policies and infrastructures for peer reviewed publications and research data were presented at the three events, together with the relevant activities in Slovenia.

Participants were very pleased with the presentations and have reported gaining good overview about open access in Horizon 2020 and anticipated national policies with a lot of useful information on compliance. The participants also said that they would transmit the knowledge to their peers and co-workers. It is planned that with the assistance of the OpenAIRE National Open Access Desk presentations on open access in Horizon 2020 and ways to comply will be multiplied at individual faculties and academies of the University of Ljubljana.

Presentations are available at <http://www.uni-lj.si/studij/knjiznice/povezave> and <https://www.fosteropenscience.eu/event/open-access-oa-publications-and-open-research-data>

Country	Slovenia
Stakeholders	Library / Repository Support
Topics	Open Research Data; Funder Compliance (H2020; national funders); Research Data Management
Attendants	45

Slovene Social Science Data Archives, The Faculty of Social Sciences, University of Ljubljana, designed a training programme for librarians and researchers on open research data in social sciences and humanities.

45 participants from 23 libraries attended the training for librarians: Role of librarians in opening up research data at the Faculty of Social Sciences, Ljubljana, Slovenia, on June 18, 2014. The aim of this workshop was to enable research librarians in liaison role with researchers and project managers on research data management issues:

- Providing information and support to researchers who are involved in national or international research projects and are potential data depositors;
- Providing advice on where and how deposit research data and encourage researchers to make their data available and open;
- Assisting researchers with research data management.

The training programme covered the following areas:

- Data Librarian Experience
- Introduction to Research Data Management
- The Role of Librarians in the Categorisation and Classification of Scientific Data Publications
- Development of Research Data Policy and RDM Planning in Slovenia
- Data Users and Data Depositors (hands on session)
- Open Access in European Union research activities

More information and presentations are here: <https://www.fosteropenscience.eu/event/research-data-management-and-open-data-1> and here: http://www.adp.fdv.uni-lj.si/adp_delavnica_maj2014/index-en.html ; video recordings are here: http://videlectures.net/adpdelavnica2014_ljubljana/.

As a result of the workshop, the participants have a better understanding of open research data environment, the idea of open access and open data, are able to support researchers in finding research data, understand the process of data management planning (especially where and how to deposit data, data citation, data categorization and research evaluation) and are able to

support the researchers following the Horizon 2020 guidelines and principles on data management.

37 researchers attended the 2nd project seminar “Preparing research data for open access” on December 10, 2014 organized by Slovene Social Science Data Archives at the Faculty of Social Sciences, University of Ljubljana. The objective of this seminar was to introduce different aspects of research data management planning. It was designed for data creators – researchers from the field of social sciences.

Participants were satisfied with the seminar and received a practical knowledge on how to publish research data, how to archive social science data and what are open research data requirements in H2020. They especially appreciated practical instructions on how to design consent form and practical information about Social Science Data Archives. They also recommended to repeat this seminar for PhD students, who still lack the knowledge in data management.

SPAIN: TRAINING YOUNG RESEARCHERS FOR AN OPEN FUTURE

Country	Spain
Stakeholders	Researcher / Students; PHD Students
Topics	Open Access; Open Research Data
Attendants	200

Over 200 participants attended [Training young researchers for an open future](#) organized by the Universitat de Barcelona (on October 21, 2014, over 80 people attended) and Universidad Complutense de Madrid (on October 23, 2014, over 130 participants).

The training course covered open access to publications and open research data. The course was mainly addressed to young researchers although among the audience there were a lot of librarians and research managers, besides researchers in general.

The sessions were broadcasted by streaming and have also been recorded, video's and presentations are available here <http://www.ub.edu/ubtv/colleccio/congressos-i-jornades/formant-joves-investigadors-en-laccess-obert-al-coneixement>.

The events perception was positive. Many librarians went home with a lot of “homework” to do related to the management of data. The Universitat de Barcelona will continue working to increase the awareness on open access among the researchers. They are working together with Catalan Partners – the University Consortium (CSUC) and with European Partners through the LERU.

Complutense University approved an open access institutional mandate recently so it was very important to spread a word and explain open access advantages. The program fitted the

institutional policy and professional needs of the learners mainly, and it was related to Horizon 2020 – open access, open research data, policy development and implementation, research data management and copyright.

The course was designed and delivered by library staff, and it was mainly targeting young researchers.

The course was followed on streaming by more than 70 simultaneous users during the morning and 100 on the afternoon.

The participants and event organizers were satisfied with the results of the training. The participants felt most valuable the following aspects of the event: introduction to open access, information about institutional repository and publication in open access journals, copyright, data management in Horizon 2020, live streaming and the possibility of participation via Twitter (the session had 79 Twitter followers and 329 tweets).

UK: (1) DISCOVERING OPEN PRACTICES FOR PGR AND EARLY CAREER RESEARCHERS AND (2) FUNDERS' RESEARCH PUBLICATIONS POLICIES: WHAT RESEARCHERS NEED TO KNOW

DISCOVERING OPEN PRACTICES FOR PGR AND EARLY CAREER RESEARCHERS

Country	UK
Stakeholders	PHD Students
Topics	Open Access; Open Research Data; Copyright & IPR; Funder Compliance (H2020; national funders); Impact & Metrics; Open Science;
Attendants	34

34 people attended a one-day training for PhD and early career researchers “Discovering Open Practices for PGR and Early Career Researchers”, jointly hosted by the London School of Economics and Political Science, King’s College London and Queen Mary University of London (the UK) on September 4, 2014, in London. It covered the benefits of practicing open research early in an academic career including open access to research, data sharing, research data management and impact metrics.

The event included keynote speakers in the morning (setting the scene, giving an overview of developments and offering a “state of the nation” on open practices for academic research: taking control of the publishing system you will inherit; network enabled research; and open access, the Humanities, and Early Career Researchers), followed by three practical afternoon workshops on a range of topics including open access publishing, data sharing, impact, blogging

and metrics. Clear guidance on open access policies from funders such as [Research Councils UK](#), [Wellcome Trust](#) and the [European Commission Horizon 2020](#) have been provided. The session was delivered through a series of short exercises where participants were encouraged to be hands-on and share their thoughts. It ended with participants sketching a personal plan to make their research available open access, incorporating aspects of what they have learnt which work for them. The day closed with talks from three student open advocates, who shares their experiences of open research, followed by opening up the floor for peer to peer comment and open discussion.

More information about this event, presentations and video recordings are available here: <http://www.fosteropenscience.eu/event/foster-discovering-open-practices-pgr-and-early-career-researchers-0>. The the videos have also been uploaded to the [King’s Library Services Youtube channel](#) and they are also linked to from the [King’s Open Access](#) pages. [Storify](#) collating the tweets from the event and a [Google archive of tweets](#). Finally, a follow up blog post from one of our attendees was written of the [LSE Impact of Social Sciences blog](#), demonstrating attendee engagement with the event.

Comments were generally positive, with delegates satisfied, or very satisfied, with the content and organisation of the day. Particular highlights were the morning plenaries and the opportunity to be immersed in the positive environment of advocates for open access, as well as the early career peer panel at the end of the day.

FUNDERS’ RESEARCH PUBLICATIONS POLICIES: WHAT RESEARCHERS NEED TO KNOW

Country	UK
Stakeholders	Library / Repository Support; Project Manager; Policy-makers & Funders; PHD Student
Topics	Open Access; Open Research Data; Funder Compliance (H2020; national funders); Policy Development & Implementation; Research Data Management
Attendants	75

75 people attended a training sessions for researchers “Funder’s research publication policies: What do researchers need to know?” at the Royal Holloway, University of London (UK) on October 22, 2014. It provided an overview of current developments in open access, open data, research data management and the funders’ policies regarding research publications.

The presenters focused on the most important components and explored the adaptation of best practices required by research staff to ensure compliance with funder policies.

More information and presentations are here: <http://www.fosteropenscience.eu/event/open-access-ref2020-and-research-data-management-what-do-researchers-need-know> and Martin Donnelly’s blog post about

the event is here:
https://www.fosteropenscience.eu/project/index.php?option=com_content&view=article&id=56:open-access-for-ref2020-and-research-data-management-what-do-researchers-need-to-know&catid=8&Itemid=104.

The event was a success. There was a high number of attendees and interesting questions. A storify story of the tweets related to the event is here: <https://storify.com/nancypontika/oa-event>.

OTHER FOSTER TRAINING EVENTS

TRAINING FOR EC PROJECT OFFICERS ON OPEN ACCESS AND OPEN DATA IN HORIZON 2020

Country	Belgium
Stakeholders	Policy-makers & Funders
Topics	Open Access; Open Research Data; Funder Compliance (H2020; national funders)
Attendants	80

The FOSTER consortium designed a half-day training programme for project officers from the European Commission and the Agencies and ran the first series of four training for more than 80 project officers “Open access requirements to publications and research data in Horizon 2020” in June 2014.

The training programme included the following sessions:

- Introduction: Open access in the ERA and Horizon 2020 – political and legal context
- Introduction to open access, open data and open science
- Horizon 2020 mandate on open access to publications (Article 29.2 of GA)
- Horizon 2020 Open Research Data Pilot (Article 29.3 of GA)
- OpenAIRE infrastructure and services for compliance and monitoring
- Q&A, discussion, and closing

For an overview and presentations, see https://www.fosteropenscience.eu/project/index.php?option=com_content&view=article&id=35:presentations&catid=9:download&Itemid=107.

OPEN SCIENCE: ENGAGING FINLAND’S DOCTORAL SCHOOLS

Country	Finland
Stakeholders	Researcher / Students; PHD Students
Topics	Open Science
Attendants	38

Open Science: Engaging Finland's Doctoral Schools event took place in Helsinki, Finland, on 20 October, 2014. This event was organised by the University of Helsinki for the administration staff dealing with doctoral training to learn more about open science, to present comments to the ministry on improvements to the existing open science services and possibly create ideas for new ones.

Open science literacy offers future post-graduates an essential advantage of building a strong research profile, becoming more competitive at national and EU proposal funding, and have the capacity to bridge the gap between academia and the public on most societal challenges. "Open Science: Engaging Finland's Doctoral Schools" event has been designed as an informal session that fosters the dialogue between ministry representatives, open science advocates and practitioners and doctoral school administrators in the Scandinavian region. The session was forward looking, and examined strategic benefits and barriers for introducing open science standard graduate training alongside research excellence training.

The programme of the event:

- Open access publishing, citations and editorial policies
- Altmetrics and visibility
- Winning Horizon 2020 with Open Science
- Publications, Open availability and Research Funding
- Open science and research policy
- Trends in Open Access Publishing
- Discussion

More information is here: <http://www.fosteropenscience.eu/event/open-science-engaging-finlands-doctoral-schools> and presentations are available here: <https://wiki.helsinki.fi/display/OAviikko/Open+Access%21+20.10.2014> .

OPEN ACCESS TRAINING FOR THE EUROPEAN FEDERATION OF PSYCHOLOGY STUDENTS' ASSOCIATIONS (EFPSA)

Country	Serbia
Stakeholders	Researcher / Students
Topics	Open Access; Open Science
Attendants	100

FOSTER ran three training sessions on open access at the Joint Executive Board and Member Representatives' Meeting of the [European Federation of Psychology Students' Associations \(EFPSA\)](#) in Dobra Voda, Serbia, on October 28, 2014.

100 psychology students from 32 European countries attended the Meeting. Together we designed open access advocacy campaigns and training programmes on open access that will be implemented by European Psychology Students' Associations.

OPEN ACCESS TO EGI (EUROPEAN GRID INFRASTRUCTURE)

Country	Finland
Stakeholders	Library / Repository Support; Project Manager; Policy-makers & Funders
Topics	Open Access; Open Research Data; Funder Compliance (H2020; national funders)
Attendants	20

In addition, DTU conducted a training session “Open access to EGI (European Grid Infrastructure) research outputs” in Helsinki University, Finland, on 21 May, 2014. More information and presentations are here: https://www.fosteropenscience.eu/project/index.php?option=com_content&view=article&id=16:news-2&catid=8&Itemid=104

JOINT WORKSHOP ON THE FOSTER AND PASTEUR4OA PROJECTS

Country	Latvia
Stakeholders	Project Manager; Policy-makers & Funders
Topics	Open Access; Open Research Data; Funder Compliance (H2020; national funders); Policy Development & Implementation
Attendants	40

SPARC Europe and LIBER conducted a Joint Workshop on the FOSTER and PASTEUR4OA Projects: ‘Open Access Policy for Europe: the Implications for European Research Libraries’ at the LIBER 43rd Annual Conference, Riga, Latvia, 1 July, 2014. More information is here: https://www.fosteropenscience.eu/project/index.php?option=com_content&view=article&id=36:sparc-europe-liber-joint-workshop&catid=8&Itemid=104.

VITAE RESEARCHER DEVELOPMENT INTERNATIONAL CONFERENCE

Country	UK
Stakeholders	Researcher / Students; PHD Students
Topics	Open Science
Attendants	12

HATII-DCC has also ran a short special interest session on Open Science on September 9, 2014 in Manchester, UK at the annual Vitae Researcher Development International Conference. The conference brought together all those with a strategic and practical role in developing researchers. An abstract of the session can be viewed at https://www.vitae.ac.uk/events/vitae-researcher-development-international-conference-2014/special-interest-sessions/copy8_of_sis1.

WEBINARS DURING OPEN ACCESS WEEK WITH OPENAIRE PROJECT

Country	Several
Stakeholders	Researcher / Students; Library / Repository Support; Project Manager; Policy-makers & Funders
Topics	Open Access; Open Research Data; Funder Compliance (H2020; national funders); Research Data Management
Attendants	160

DCC, EIFL and UMinho conducted four webinars in partnerships with OpenAIRE project during Open Access Week (October 20-23), with 160 participants, covering the following topics:

- **Open webinar with Katerina Iatropoulou (NKUA) on the new OpenAIRE portal www.openaire.eu:** how to find and add publications, data and project information; how to use it as a project management tool find information about open access;
- **Horizon 2020 Open Research Data Pilot by Sarah Jones (DCC):** overview of the Open Research Data Pilot in H2020: who should participate and how to comply;
- **Horizon 2020 Open Access to Publications Mandate by Eloy Rodrigues (UMinho):** overview of Open Access to Publications Mandate in H2020;

- **Zenodo by Lars Holm Nielsen (CERN):** www.zenodo.org is a simple and innovative service that enables researchers, scientists, EU projects and institutions to share and showcase multidisciplinary research results (data and publications) that are not part of existing institutional or subject-based repositories.

The recordings of the webinars can be found here: <https://www.openaire.eu/news-events/a-successful-oa-week-openaire>

OPEN ACCESS WEEK COUPERIN INITIATIVES

Country	France
Stakeholders	Researcher / Students; Library / Repository Support; Project Manager; Publishing
Topics	Open Access; Open Research Data; Funder Compliance (H2020; national funders); Open Science
Attendants	500

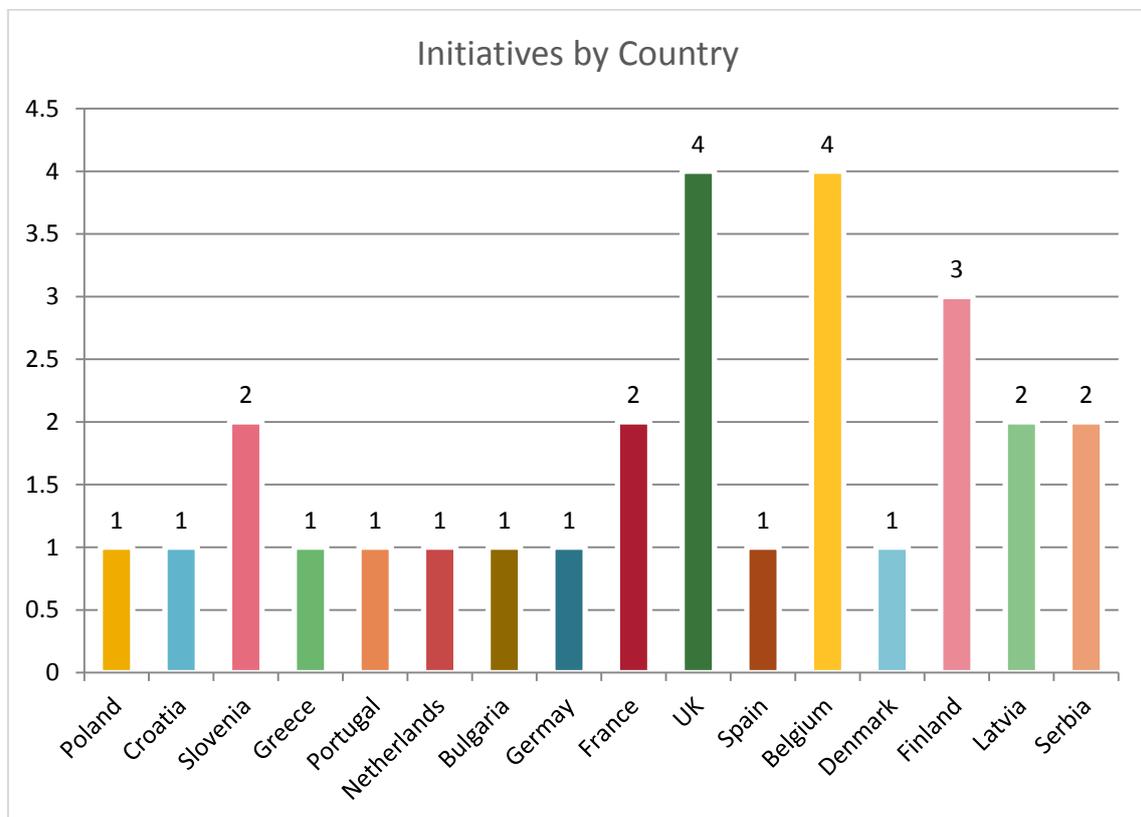
During Open Access Week (October 2014) Couperin in France supported 22 projects that have organized 33 events partially supported with FOSTER funds, reaching more than 500 participants and with participation of 44 institutions. Couperin also created badges and posters, and a dedicated website with 4 clips promoting Open Access: <http://www.oaweekfrance.org/>.

GENERAL OVERVIEW OF THE MID-TERM TRAINING REPORT

Considering the initiatives described, we present some figures to know better the impact of the training based on the geographic location, the stakeholder involved and the topics covered.

BY COUNTRY

Considering the analysis by country, and excluding the webinars sessions that include participants from several countries, the project reaches a consistent scope and diversity.

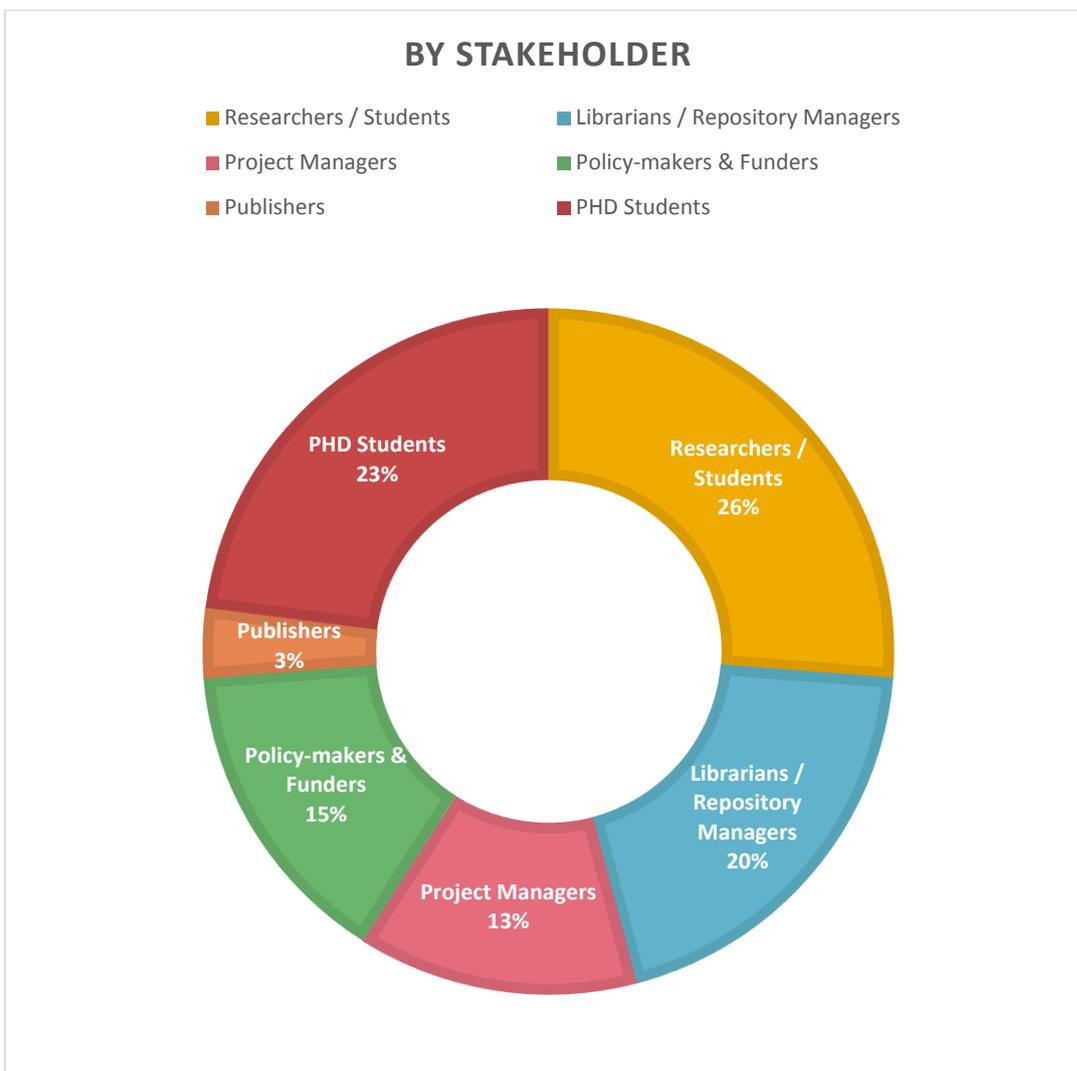


Graphic 1 - Initiatives by Country

The next image shows the difference between the training initiatives of the first call (black) and the future initiatives (orange) that are planned for the second call. Considering the actual forecast of courses, with the possibility of other initiatives to be programmed, the European space is well covered. This map is available on the FOSTER Portal (<https://www.fosteropenscience.eu/events>).

BY STAKEHOLDER

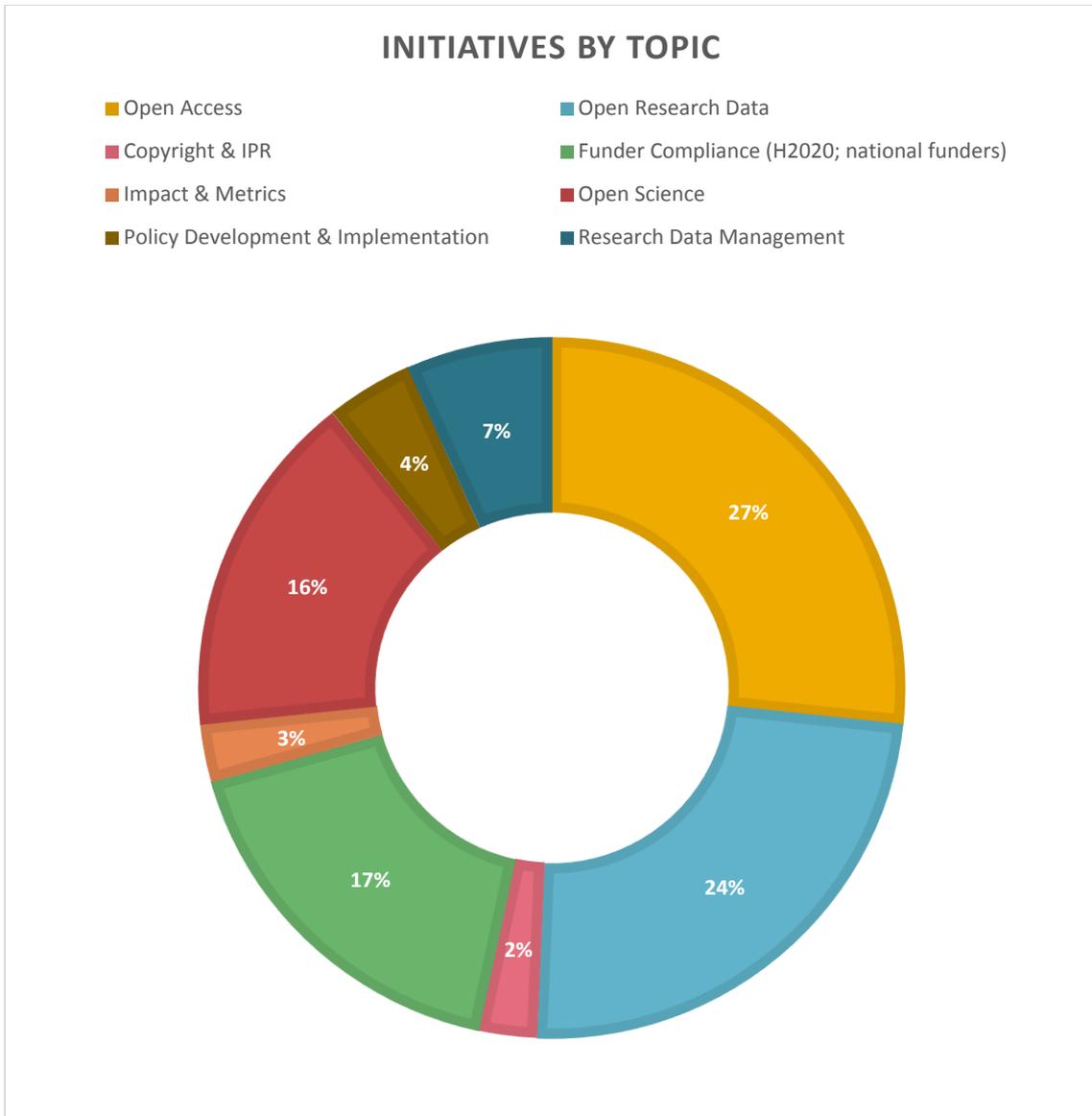
The set of initiatives developed by FOSTER covers a wide scope of relevant stakeholders initially identified by FOSTER with a focus on Researchers / Students and Librarians / Repository Managers.



Graphic 2 - Initiatives by Stakeholder

BY TOPIC

Considering the topics covered by the training initiatives, we found two main topics of interest, Open Access and Open Research Data, followed by the Funder Compliance and Open Science.



Graphic 3 - Initiatives by Topic

EVALUATION OF THE FUNDED COURSES

The training evaluation showed that, in most cases, participants were satisfied with the courses. From the evaluation forms it was clearly visible, that the format of the events, the selected speakers and the presented topics met participant's expectations.

The materials used were in general relevant to the needs of the learners. This is important, as it shows that reusing this material will be of help to future learners as well. Feedback and helpful hints from the first call courses are provided to the organizers of the second round of events in 2015 via the Training Toolkit.

For this year's series of FOSTER training courses, evaluation and analysis will be even more focused on the aspect of using and re-using the materials provided via the FOSTER training portal, and any additional opinions and request expressed by participants and training organizers.

CONCLUSION

The FOSTER training programme of the first twelve months of activity met the project objectives and aims. Totalling 28 training initiatives in 16 different countries, the FOSTER training activity reached more than 2600 attendants in Europe.

This first training programme provided regional/country and disciplinary diversity but also a big outreach potential, with the direct involvement of several hundreds of participants, which in some cases will multiply the training to their institutions and/or communities, reaching out to even a bigger audience of participants on the European Research Area.

The next activities on the training domain for FOSTER project is the development of the training activities defined at the call 2 and support the distance training courses and activities (e-learning and self-learning courses).

APPENDIX 1. TRAINING EVALUATION FORM

Do not forget to ask your training events participants to give their feedback answering the following questions:

- What did you hope to get out of this event?
- Overall how satisfied were you? (Please circle one):
 - Very satisfied 1 2 3 4 5 Very dissatisfied
- How relevant was the material in your opinion? (Please circle one)
 - Highly relevant 1 2 3 4 5 Not at all relevant
- Which aspects of the event did you feel were most valuable?
- Which aspects of the event did you feel could be improved?
- Please give any additional comments you wish to make
- Which of these groups is your role is closest to? (Please circle any appropriate)
 - Researcher
 - Postgrad student
 - Research officer
 - Funder
 - Library
 - EC project manager

This survey can be conducted on-site during or after the event, or through a web form (such as Google Forms)

APPENDIX 2. CRITERIA FOR DESCRIBING, REVIEWING AND EVALUATING COURSES AND RESOURCES – A CHECKLIST

We recommend using InformAll (formerly RIDLs) criteria for describing, reviewing and evaluating practice in information literacy training (listed below). They enable practitioners to design, review and assess courses and resources.

Part A: criteria for describing and reviewing your course or resource

Preamble

Have you defined clear aims, objectives and learning outcomes for the course/resource?	Y/N
-----------------------------------------------------------------------------------------------	-----

1.1 Learners: who is it aimed at? Name of course/resource:

1.1.1. What career stage(s) is the course/resource addressed at?	
-------------------------------------------------------------------------	--

- Researchers
- Postgraduate students
- Institutional decision makers and staff
- Librarians and repository managers
- Funders (decision makers and staff)
- Project managers

1.1.2. What disciplinary area(s) is the course/resource addressed at?	
------------------------------------------------------------------------------	--

1.2 Need

1.2.1. Have you undertaken an assessment of learners' needs?	Y/N
---------------------------------------------------------------------	-----

1.2.2. Does the course/resource fit the broader professional needs of the learners?	Y/N/NA
--------------------------------------------------------------------------------------------	--------

1.2.3. Does the course/resource fit with your institutional and/or departmental policy and practice on researcher development?	Y/N
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1.2.4. Does the course/resource relate to expectations or requirements from relevant professional bodies?	Y/N
------------------------------------------------------------------------------------------------------------------	-----

1.2.5. Can the course/resource be transferred or adapted to suit other needs or contexts from the one for which it was designed?	Y/N
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1.2.6. Is the course/resource accessible, particularly for learners with special needs or disabilities such as visual impairment?	Y/N
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1.3 Demand

1.3.1. Is the course/resource a response to demand from learners?	Y/N
--------------------------------------------------------------------------	-----

1.3.2. Is participation by learners in previous similar training activities a factor in helping you determine demand?	Y/N
1.3.3. Is the course a response to an institutional request/ policy?	Y/N
1.3.4. Is the course a result of your own perception of a need?	Y/N
1.4 Meeting requirements	
1.4.1. Does the course/resource or resource take into account of:	
<ul style="list-style-type: none"> • Current level of skill 	Y/N
<ul style="list-style-type: none"> • Years of experience 	Y/N
<ul style="list-style-type: none"> • Disciplinary areas 	Y/N
1.4.2. Are there any prerequisites in terms of what learners need to know already in order to derive the most benefit from the course?	Y/N

2.1. Areas of open access, open research data, open science covered

<p>What area(s) does the course/resource cover?</p> <ul style="list-style-type: none"> • Open access • Open research data • Open science • Policy development and implementation • Research data management • Copyright and IPR • Impact and metrics • Funder compliance 	
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2.2 Learning outcomes

Have you communicated the aims, objectives and learning outcomes from the course/resource?	Y/N
---------------------------------------------------------------------------------------------------	-----

2.3 Use of FOSTER training portal/training materials

2.3.1. In the course have you used FOSTER portal and training materials?	Y/N
2.3.2. If yes, have you adapted FOSTER training materials to suit your training needs?	Y/N

3.1 Approach

<p>What is the format of the course/resource?</p> <ul style="list-style-type: none"> ○ Classroom-based courses (lecture or workshop) ○ Individual tuition ○ Online courses ○ Training material (printed or digital) ○ Other 	
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

3.2 Training providers

<p>3.2.1. Who designs and delivers the course/resource?</p> <ul style="list-style-type: none"> • Library • Faculty • Graduate school • IS department • Other (please specify) 	
3.2.2. Do the trainers all have the relevant level of skills and qualification?	Y/N

3.3 Support, dissemination and promotion

3.3.1. Is there sufficient support required to run the course or manage the resource in terms of:	
• Personnel	Y/N
• Facilities	Y/N
• Finance	Y/N
1.3.2. Is the course/resource well-advertised?	Y/N
1.3.3. If the resource is online, is it available outside the institution?	Y/N/not applicable

1.3.4. Has it been deposited in online facilities such as FOSTER portal?	Y/N/not applicable
1.3.5. Is the resource free to use outside the institution?	Y/N/not applicable

Part B: criteria for evaluating your course or resource

4.1 Numbers

How many learners have taken part in the course or used the resource?	
------------------------------------------------------------------------------	--

4.2 Feedback

Did participants give feedback on:	
<ul style="list-style-type: none"> Whether learning objectives met 	Y/N/didn't ask
<ul style="list-style-type: none"> Quality of course/resource 	Y/N/didn't ask
<ul style="list-style-type: none"> Originality of course/resource 	Y/N/didn't ask
<ul style="list-style-type: none"> Attractiveness of course/resource 	Y/N/didn't ask

5.1 Impact on knowledge and skills

Have you evaluated changes in learners' knowledge, skills and competencies resulting from the course/resource?

5.2 Behaviour and attitudes

Have you evaluated improvements that may be attributable to the course/resource in terms of: <ul style="list-style-type: none"> Attitudes Confidence Behaviour Performance and practice 	
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5.3 High-level impact

<p>5.3.1. Have you evaluated the broader impact of the course/resource in terms of:</p> <ul style="list-style-type: none"> • Extent to which recipients have become better learners and/or researchers • Ways in which the institution has benefitted 	
<p>5.3.2. Has there been any feedback from the departments in which the recipients study/work?</p>	<p>Y/N</p>
<p>5.4 Challenges/barriers</p>	
<p>Have you encountered any challenges and/or barriers (including lack of resources) when implementing the course/resource?</p>	<p>Y/N</p>
<p>5.5 Steps taken</p>	
<p>Have you taken any steps to improve the course/resource as a result to any of the evaluation, as covered by the previous questions?</p>	<p>Y/N</p>