



Deliverable 4.3
Train-the-Trainer workshops



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Executive summary

The ORION ‘Train-the-Trainer’ course was developed to help Open Science advocates and stakeholders learn from the training that has been delivered throughout the project and equip them with the skills to run their own training.

The course ran from October 19th 2020 to November 4th 2020. 65 applications were received from all over the world and these were then assessed to award the 21 available places. It featured two webinars, two modules of an online module course (hosted on OpenLearnCreate from Open University under the following [link](#)), and it culminated in the participants delivering a 20 minute talk or micro-training at a live-streamed online event for Berlin Science Week called the Open Science Cafe. All the participants that finished the course got an ORION Open Science Train-the-Trainer certificate. There are possible future collaborations with other EU projects regarding reusing some or all of the ORION Train-the-Trainer course.



Train-the-Trainer

Introduction

The train-the-trainer approach to embedding Open Science is one that has been utilised by a number of projects, for example FOSTER+. The advantage is that while training can inform, inspire, or instruct a large number of people (for example, over 300 from the ORION MOOC for Open Science in the Life Science), it is only by passing on the lessons learned and training further stakeholders can long term sustainability and longevity be achieved. The participants of a train-the-trainer workshop or course act as multipliers for the specific knowledge gained through the ORION project, and as general advocates for Open Science.

Objectives

Subtask 4.3.2 Train-the-Trainer. We will run at least one train-the-trainer workshop, depending on demand, in which interested scientists and educators will learn how to use the OERs on RRI and Open Science, and how to adapt these to new content (new controversial topics, new audiences). At least one workshop will be offered at the EU-LIFE community meeting, where all EU-LIFE partners meet (include all Directors), to discuss common strategies and projects. The train-the-trainer online materials will be made available at the MDC and EU-LIFE web page, and maintained beyond the life-time of the ORION project.

Train-the-Trainer Online Course

Development and Overview

The ORION Train-the-Trainer course was originally conceived as an in-person 3 day 'bootcamp' that would take place at the Max-Delbrück-Center for Molecular Medicine in Berlin. However, due to the pandemic restrictions this was revised at an early planning stage to be an entirely digital program. The knowledge gained in producing the two MOOCs (1.0 and 2.0, see D4.1 report) helped immensely in the course design and implementation.

The course ran from October 19th 2020 to November 4th 2020. It featured two webinars, two modules of an online module course (hosted on OpenLearnCreate from Open University under the following [link](#)), and it culminated in the participants delivering a 20 minute talk or micro-training at a live-streamed online event for [Berlin Science Week](#) called the [Open Science Cafe](#).

Advertising and Applications

In collaboration with VA, the course was advertised via email to ORION partners and associated partners and general mailing lists, on social media (Twitter, LinkedIn, and Facebook), and via the ORION newsletter and website. Participants had to apply to be on



the course for two reasons: we wanted to have a small group size, in order to offer personalized coaching and mentoring, and there was a limited number of places in the final activity, the public Open Science Cafe. LamaPoll, a German Company, was used to create an application form to comply with the European data privacy regulations. 65 applications were received from all over the world and these were then assessed to award the 21 available places. Candidates with a clear plan for implementing an Open Science training were favoured. The selected 21 participants represented 17 countries from 4 different continents. This level of internationality demonstrates the importance of Open Science to institutions across the world, and that digital formats for training can allow for wider participation.

Go to www.menti.com and use the code 45 88 02 5

What country are you located in?

Mentimeter



Fig 1: Some of the mentimeter responses from Webinar 1

Webinars

The online modules were bookended with two 2.5 hour webinars in which participants did a number of interactive activities as a full cohort and in breakout rooms. The activities acted both as a way of building a sense of community and of demonstrating how certain online tools could be used in training. For example, in the first webinar the participants were put in breakout groups and given a mentimeter code, they then looked at statements taken from the [FOSTER+ card pack](#) and discussed whether they agreed or disagreed before voting. Later, they did an activity where they identified a challenge to delivering Open Science and then turned it into an opportunity by writing on A4 paper and holding up their answers to the camera. They also received information about the course and had the opportunity to ask questions and give feedback.



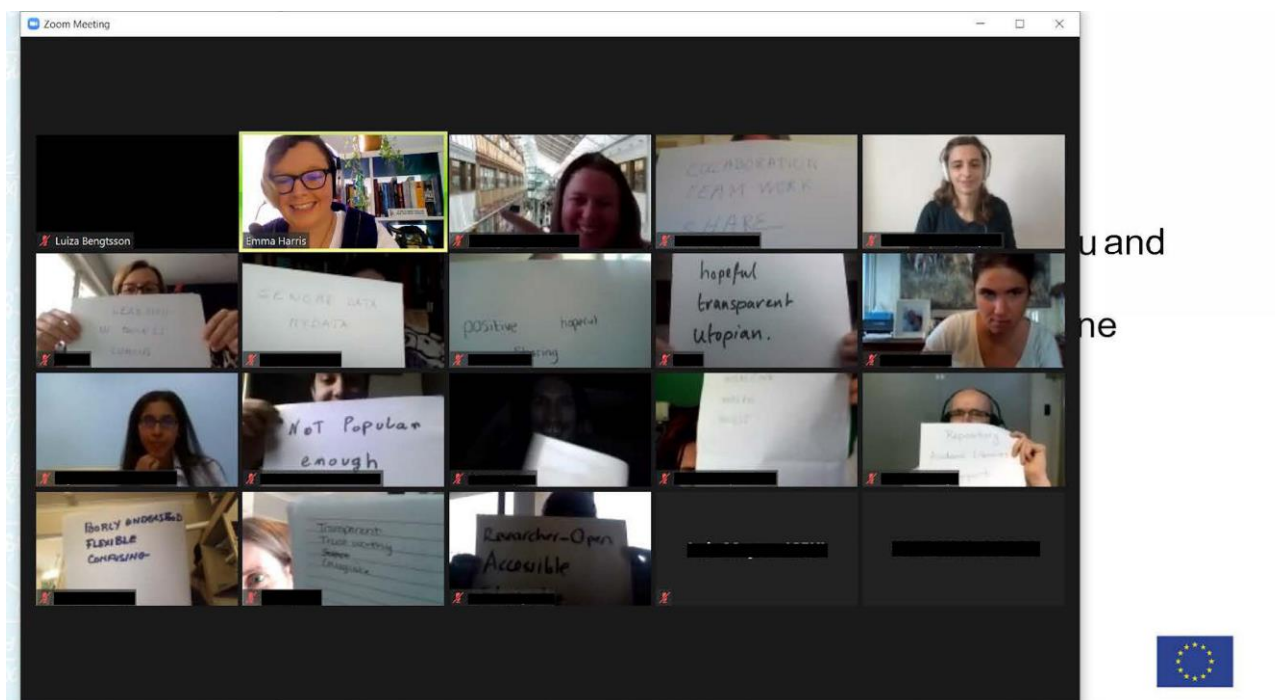


Fig 2: Participants displaying words that describe both them and Open Science in Webinar 1

Modules

The [online course](#) was created on OpenLearnCreate, a platform created and hosted by the Open University. It was divided into two modules: Theory and Methods. The theory module focused on conveying the principles of Adult Education, for example identifying audiences, focusing on participants’ needs, and selecting material. The methods module focused on formats and activities that can be utilised to create online and offline training, for example, the FOSTER card exchange, a brainwalking activity, improving webinar experiences, and evaluating training.

These modules used [videos](#), [infographics](#), [podcast episodes](#), and [factsheets](#) to convey material, these were a mix of existing OERs and original materials created for the train-the-trainer course. A number of project partners provided factsheets for the course e.g. UAB wrote a factsheet on evaluations, BI provided one on organising online events and one on organising public dialogues. The participants had one or more activities to do for each lesson in the modules. These were done on [Activity Working Documents](#), using Google Docs which allowed interactive collaboration. The participants could also download these documents at the end of the course so that they had another resource. There were also forums for participants to use to discuss issues.

Coffee and Chat

In addition to the forum, the moderators held an online ‘Coffee and Chat’ drop in session each weekday between 15.00 - 16.00 while the course was running. Participants could join and ask questions about the course material or chat about Open Science topics more



broadly as well as use the time to prepare for the final delivery of the course, the Open Science Cafe.

Open Science Cafe

The course culminated in the Open Science Cafe event at the international science festival: Berlin Science Week. The participants got to choose by topic which group of three people they wanted to be in, each group was responsible for presenting on one of 7 Open Science topics (Group 1: Open_source, Group 2: Open_access, Group 3: Open_data, Group 4: Science_communication, Group 5: Open_content (licensing), Group 6: Citizen_science, Group 7: Open_hardware).

The event itself ran from 14.00 - 19.00 on Nov 4th, with two talks and two 10 minutes breaks per hour. It was hosted on Zoom and participants joined the call at their time slot. The Zoom call was then live streamed to YouTube. This was to ensure participants were not interrupted by people joining and also to increase the reach of the event. The audience could ask questions via the live chat function on YouTube. The resulting talks/microtrainings that the participants delivered were very original and interactive (several used mentimeter and funny videos, as well as one person who delivered the talk in his front garden using cardboard signs to show weblinks).

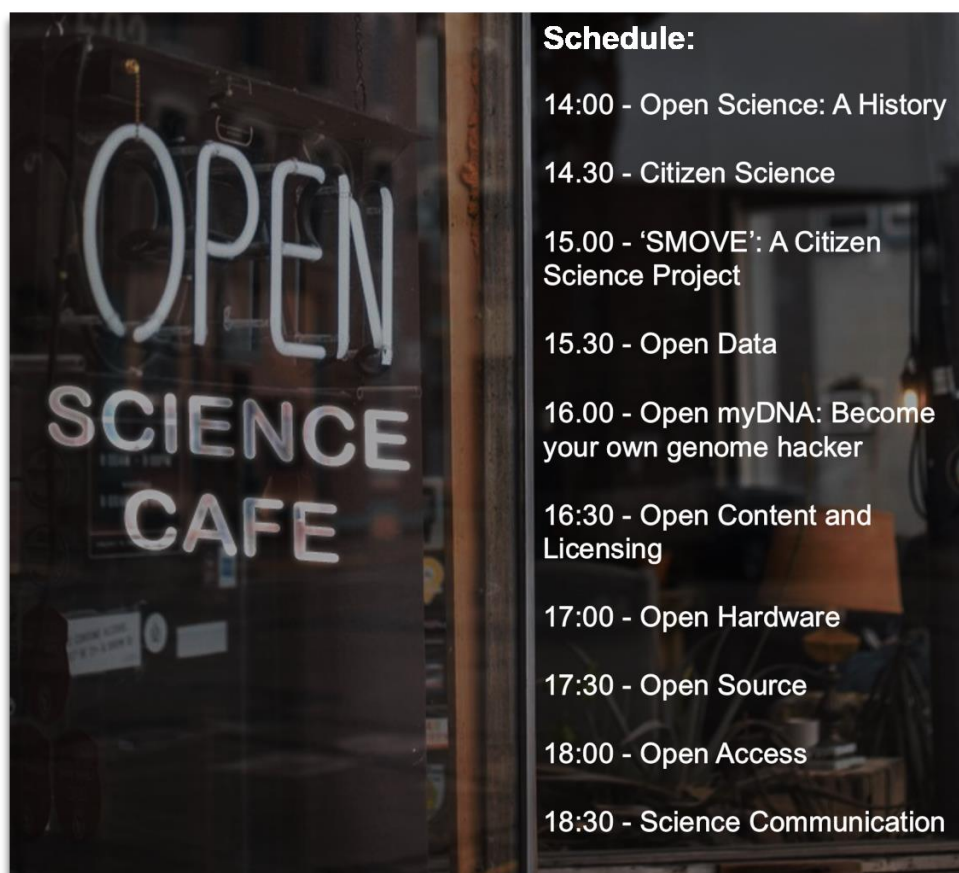


Fig 3: The Open Science Cafe schedule poster

The entire event was recorded and is now available on the [ORION MOOC YouTube](#) channel and as a downloadable file on [Zenodo](#). It (and the videos of the individual talks/microtrainings) will function as a valuable OER for the Open Science community in [general](#).

Certificates and Videos

All the participants that finished the course got an ORION Open Science Train-the-Trainer certificate designed by members of the VA team. These were awarded after a final drop-in session where the moderators discussed any feedback the participants had. The participants then received a download link to a folder containing: their certificate, a video of their specific talk/microtraining, a PDF with further Train-the-Trainer and OER resources.

Evaluation and Feedback

The MDC team worked with the UAB team to create evaluation surveys. There was an Open Science attitudes pre-survey sent to participants before they began the course, and a post-survey sent after they completed the final event to ask for feedback. UAB will analyse the results and report them in their deliverable(s).

The informal feedback from participants was largely very positive, e.g. “Thank you very much! It was truly interesting and useful experience full with ideas for my future plans in training OS at the National Library of Latvia as support activity for national OS policy implementation.” One of the participants wrote a blog entry on the Train-the-Trainer course, which can be read [here](#).

EU-LIFE Workshop

On the second day of the EU-LIFE Community Meeting and Directors Retreat 2020 on Nov 10th, a member of the MDC Team contributed to a workshop discussion entitled ‘Pandemic challenges: turning public engagement events to online activities’. This workshop allowed the lessons learned through adapting ORION training to an online format to be communicated to all EU-LIFE members and directors.

Sustainability

The ORION Open Science Train-the-Trainer online course will remain online and will be publicly available, the participants have lifetime access and new participants can take the course at any time. The course material and activities have been slightly adapted to be self-paced and standalone. All the materials in the course are under a CC-BY licence to be shared and reused freely. There is also a potential collaboration with partners from the FAIRisFAIR and European Open Science Cloud projects to reuse part or all of the ORION Train-the-Trainer course.



The ORION project will seek to support and promote future Open Science activities delivered by the train-the-trainer alumni, e.g. promoting events via social media, for the remainder of the project.

The MDC team will also host an online workshop for other ORION partners on designing and delivering Open Science training in their institutions.

Conclusions

The train-the-trainer course and the Open Science Cafe event have helped support a number of Open Science enthusiasts to have a greater understanding of how to implement Open Science training as well gave them an experience to put it into practice while also having created a new Open Science OER in the form of the videos from the final event.

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