

# FOSTER & OpenAIRE training and learning resources on Open Science and RDM

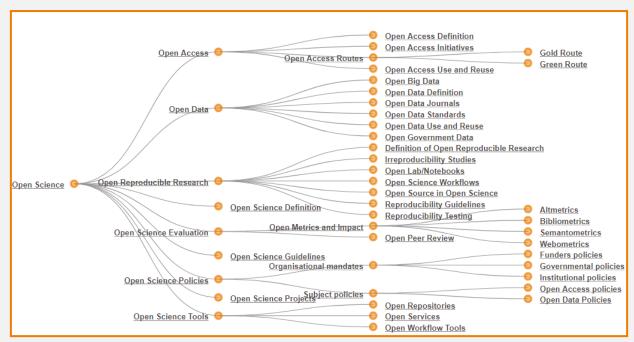
Iryna Kuchma, EIFL

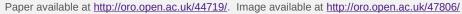
open Science and Research Data Management Train-the-Trainer Bootcamp, 17 April, 2019, NWO, the Hague



### Materials to re-use









# **Open Science courses to re-use**

What is Open Science?	Best Practice in Open Research	Open Access Publishing	Open Peer Review	Sharing Preprints
		3		
Data Protection & Ethics	Open Source Software & Workflows	Managing & Sharing Research Data	Open Science & Innovation	Open Licensing



https://www.fosteropenscience.eu/toolkit

# **Open Science courses**

Answering burning questions of researchers



Where relevant, discipline specific examples (CRG, GESIS, DARIAH-EU)

Interactive content (gamification, quizzes)



Reviewed by community



# **Badges**



5 learning paths
Effort 2-4 hours
Complete a set of courses & get a badge





# **Learning paths**

The
Reproducible
Research
Practitioner



The Open Peer Reviewer



The Open Access Author



https://www.fosteropenscience.eu/learning-paths

Open Science Training Handbook Open Science Basic







Open Access to Published Research Results



Policies

Open Licensing & File Formats





Open Peer Review, Metrics & **Evaluation** 



Reproducible Research & Data Analysis



Open Research Software & Open Source



Open Education Resources



## Open Science Training Handbook

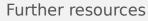








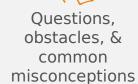








Key components: Knowledge & skills







# On Learning and Training

How to

- Prepare your workshop
  - Theoretical learning strategies
  - Different audiences
  - Strategies to develop motivation
- Execute your workshop
  - How to design a course
  - How to choose content
  - How to start training
- •& reflect on your workshop
  - Aspects to evaluate



# Organisational Aspects

- Venue
- Timing & budget
- Equipment & media
- Marketing & advertising strategy
- Registration
- Evaluation
- → Check list









### Example training outlines

### •24 exercises:

 Format, time needed, topic, learning objectives, description, materials needed, level of prior knowledge, how to adapt

### •Open Science Café

 Enable low-threshold discussion and dialogue between different stakeholders



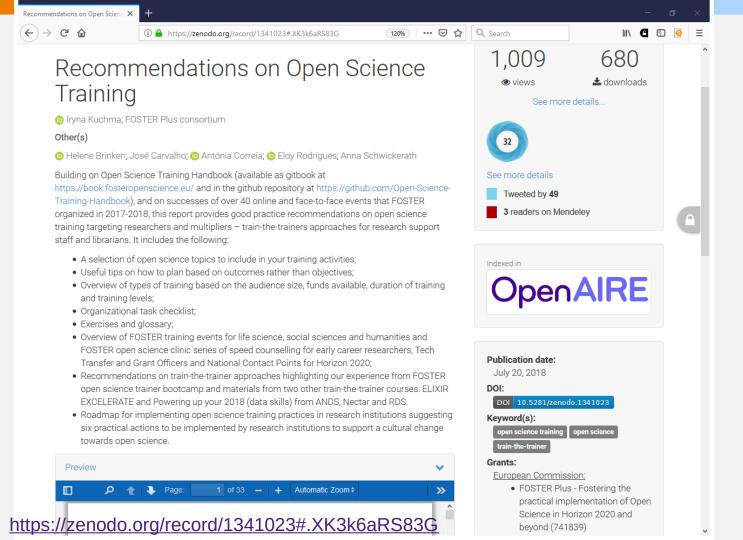


CC BY Martine Oudenhoven

Data sharing is more important than Open Access to publications.

www.fosteropenscience.eu/content/organiseyour-own-open-science-cafe

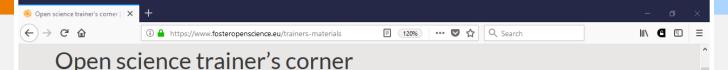




### Hands-on & interactive







### Open science trainer's corner

Do you organise Open Science trainings yourself or are planning to do so? On this page you can find a set of materials that offer some inspiration or help you to get started in the first place. Take a look and adapt or re-use the resources for your own trainings.



The Open Science Training Handbook

This handbook brings together methods, techniques and practices, to support educators of Open Science to create high quality and engaging trainings. It is available under Creative Commons Public Domain Dedication (CCO 1.0 Universal). You do not have to ask our permission to re-use and copy information from this handbook.

Access the Open Science training handbook here.



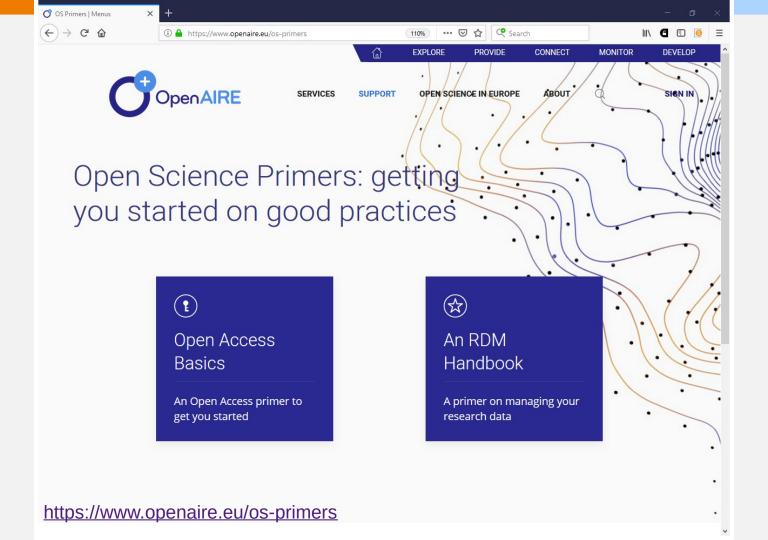
Illustrations, icons & cartoons

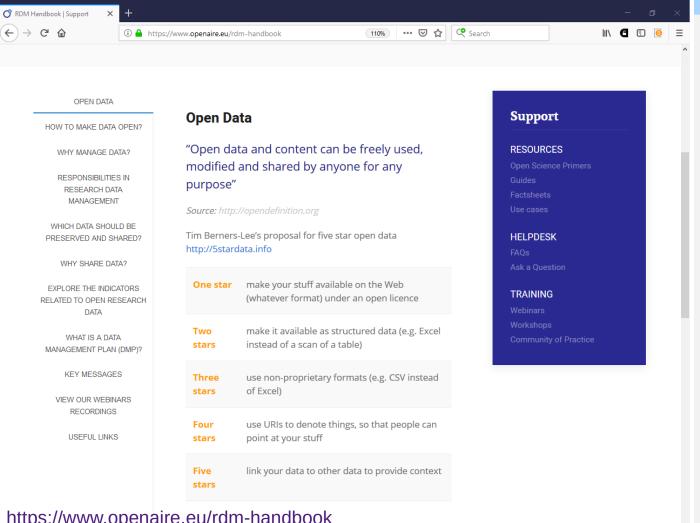
### https://www.fosteropenscience.eu/trainers-materials

During the book sprint the artist Patrick Hochstenbach draw more than 100 icons and cartoons to illustrate the Open Science training handbook. They are now for you available under Creative Commons Public Domain Dedication (CCO 1.0 Universal) to reuse.

- Download the large set of small icons such as a book, coffee, researcher, megaphone etc. here: Large ZIP archive of PNG graphics (1.5Mb)
- Download the 16 cartoons, e.g. fundamental rules of open science here: ZIP archive of 16 PNG illustrations (15Mb)



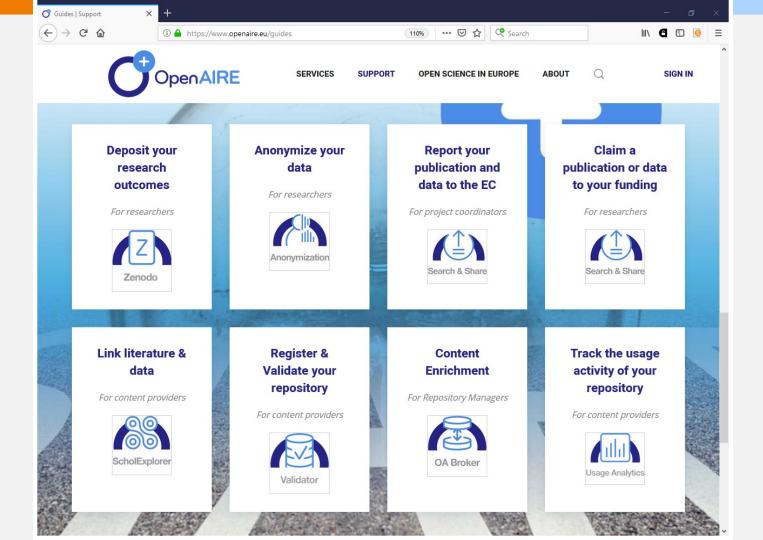




https://www.openaire.eu/rdm-handbook



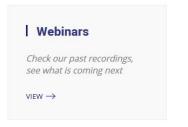
### Researchers How to comply with H2020 mandates - publications How to comply with H2020 mandates - research data Research Data Management costs in H2020 projects How to make your data FAIR How to find a trustworthy repository for your data How to create a Data Management Plan for H2020 projects Data formats for preservation How do I know if my research data is protected How do I license my research data Can I reuse someone else's research data How to deal with non-digital data How to deal with sensitive data Licences for Data - Coming soon





### H2020 OpenAIRE Fact sheets

In our effort to make open access for publications and data simple for everyone, we are creating factsheets with a brief overview of how to comply with H2020 OA mandates and how to use OpenAIRE services where available.





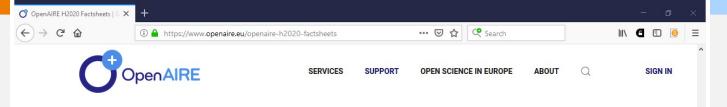






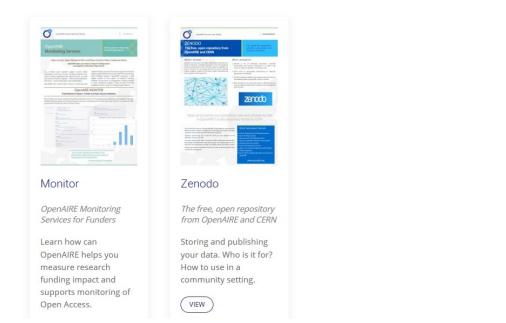


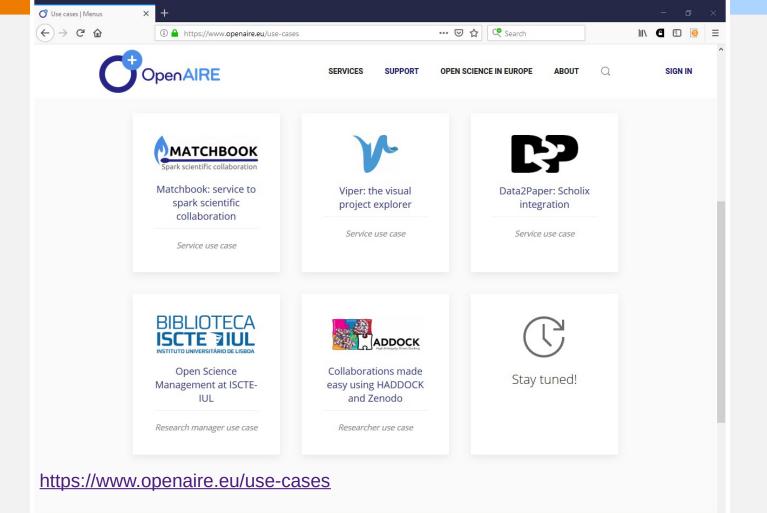
https://www.openaire.eu/openaire-h2020-factsheets

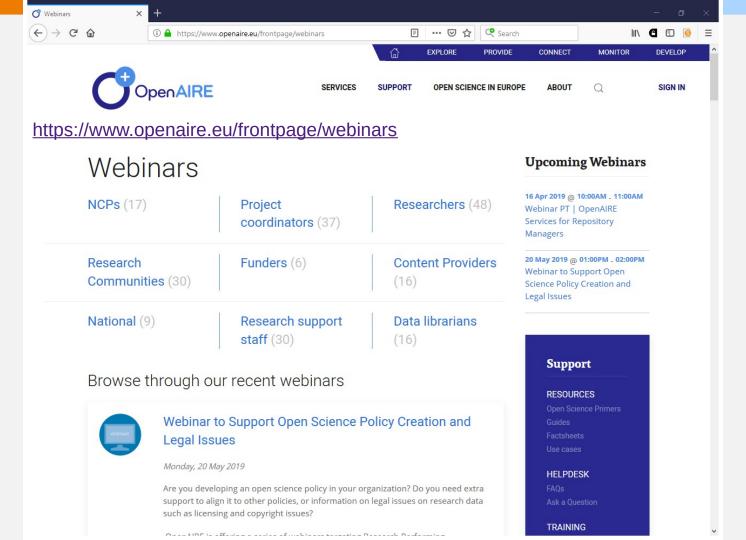


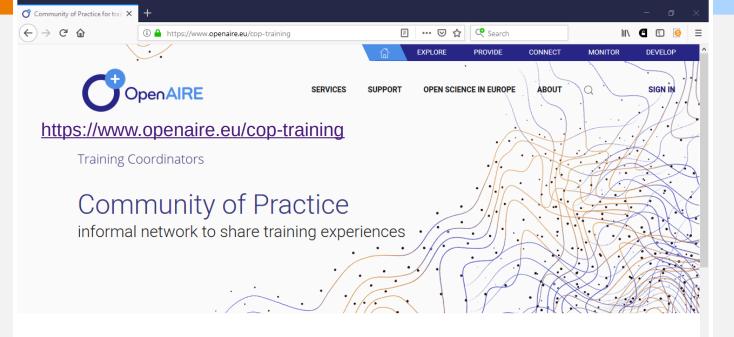
### OpenAIRE Services Fact sheets

with all the necessary information about the main OpenAIRE services, and how to use their functionalities to easily adopt Open Science.









The Community of Practice for Training Coordinators (CoP) is an informal network to share training experiences initiated by a group of people who coordinate training programmes of research and e-infrastructures. This initiative of starting a Community of Practice for training coordinators aims to map out the training activities of various pan-European, EOSC-related initiatives and strengthen their training capacity by improved alignment, sharing experiences and good practices, initiating cross-infrastructure training activities.

Background: One of the outcomes of the EUDAT project final conference was to set up several training workshops across Europe. At the EUDAT end conference the team, including OpenAIRE, proposed to continue collaboration, independent of projects, in a bottom up initiative for a Community of Practice for training coordinators. The idea was welcomed at the education and training group of the RDA and OpenAIRE has taken up coordination activities.



Thank you! Questions?

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Youtube: FOSTER Open Science



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