

Open Science Training Handbook

¿Cómo se hizo?

¿Qué contiene?

¿A quién va dirigido?

¿Cómo se puede contribuir?

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Universitat de Barcelona



OSTH: La creación

Book Sprint en Hannover, Alemania
12-16 de febrero 2018

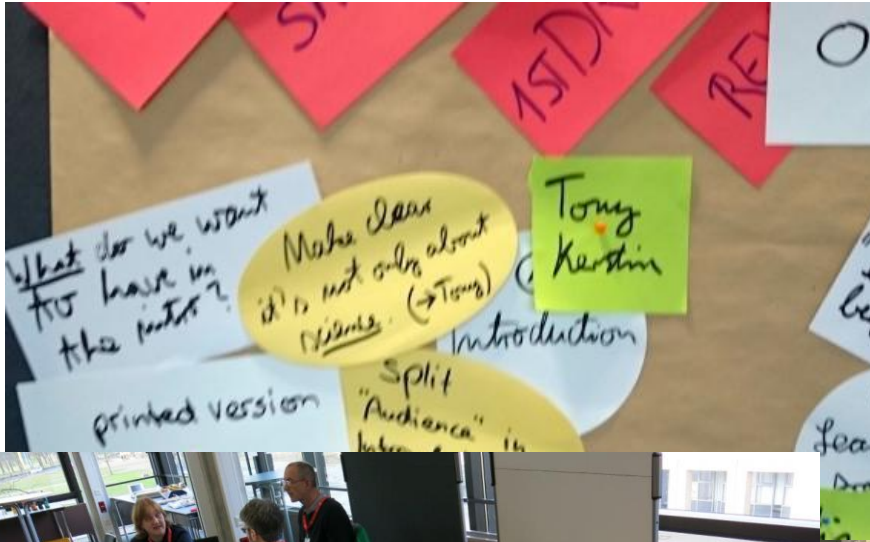
- 14 autores seleccionados de 39 propuestas teniendo en cuenta:
- experiencia en Ciencia en Abierto y en formación
 - formación científica
 - motivación
 - equilibrio en género, procedencia y disciplinas

Primera versión abierta a comentarios hasta el 4 de marzo
Presentación de la versión 1.0 en abril 2018

www.book.fosteropenscience.eu



OSTH: La creación



OSTH: Los contenidos

Open Science Basics

On Learning and Training

Organizational Aspects

Examples and Practical Guidelines

Glossary

References

About Authors & Facilitators



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OSTH: Los contenidos

Open Science Basics

- Open Concepts & Principles
- Open Research Data & Materials
- Open Research Software & Open Source
- Reproducibility Research & Data Analysis
- Open Access to Published Research Results
- Open Licensing and File Formats
- Collaborative Platforms
- Open Peer Review, Metrics and Evaluation
- Open Science Policies
- Citizen Science
- Open Educational Resources
- Open Advocacy



OSTH: Los contenidos

Open Science Basics

¿Qué es?

¿Por qué es importante en la Ciencia en Abierto?

Objetivos de aprendizaje

Conocimiento

Habilidades

Cuestiones, obstáculos, errores comunes

Resultados del aprendizaje

Referencias



OSTH: Los contenidos

	Title	Topic	Type	Duration
1	Line up!	general	whole group	5-10 min
2	Prioritization of training needs	Open Concepts and Principles	whole group	10 min
3	Selection of Open Science practices	Open Concepts and Principles	whole group	1-1.5 hour
4	Open Science discussion topics	Open Concepts and Principles	small groups	20-30 min
5	LIBER Open Science café	Open Concepts and Principles	small groups	1.5 hour
6	What is research data for me?	Open Research Data and Materials	individual / pairs	15 min
7	Why not share data?	Open Research Data and Materials	small groups	20 min
8	"Open Data Excuse" Bingo	Open Research Data and Materials	whole group	20-30 min
9	Me and my data - Datagramms	Open Research Data and Materials	whole group	1-4 hours
10	Find your data publisher	Open Research Data and Materials	individual / pairs	10-15 min
11	What do you need for a data publication?	Open Research Data and Materials	whole group	10 min
12	Creating metadata	Open Research Data and Materials	individual / pairs	5 min
13	Get started with sharing software openly	Open Research Software / Open Source	individual / pairs	20-30 min
14	Establishing a Reproducible Data Analysis Workflow	Reproducible Research and Data Analysis	individual / pairs	4-8 hours
15	Choose the right version for the repository	Open Access to Published Research Results	individual / pairs	15-20 min
16	Open file formats	Open Licensing and File Formats	whole group	10-15 min
17	Creative Commons License matching	Open Licensing and File Formats	whole group	5-10 min
18	OER Remix	Open Licensing and File Formats Open Educational Resources	whole group	10-15 min
19	Open peer review - participants openly review each others' texts	Open Peer Review, Metrics, and Evaluation	small groups	90 min
20	Open peer review - your 2 cents	Open Peer Review, Metrics, and Evaluation	whole group	1.5 hour
21	Taking a stance	Open Science Policies	whole group	10 min
22	Plain language explanations	Citizen Scientists and Science Communication Collaborative Platforms	small groups	2-3 hours
23	Devil's advocate - convincing the skeptics	Open Advocacy	small groups	30 min
24	Writing a lay summary	Citizen Scientists and Science Communication	individually or in pairs	60 minutes

OSTH: ¿A quién va dirigido?

Cualquier persona que quiera organizar una formación en Ciencia en Abierto

El manual tiene múltiples lecturas e ejemplos dirigidas a tipos de formadores, audiencias, disciplinas

Se deben seleccionar las secciones que interesen en una formación y los ejemplos correspondientes



OSTH: El resultado



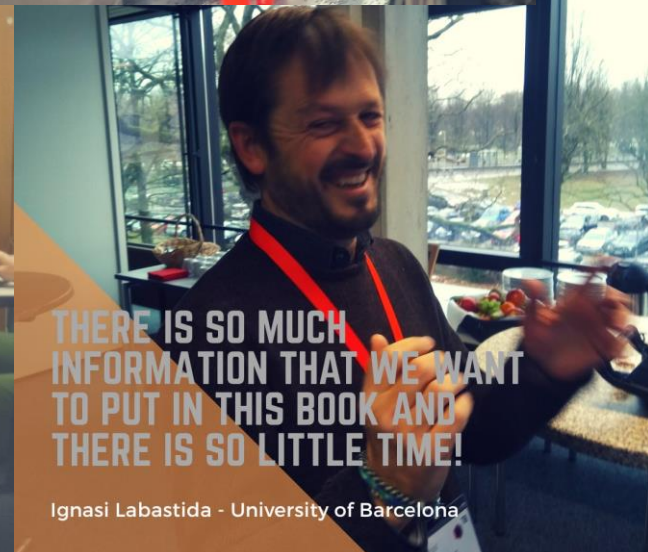
“
I hope this handbook will be redundant
in 5 years - with all scientific research
open as default
Jon Tennant



“
Open Science Training should be
interactive, fresh, clear, practical
and convincing
Sonja Bežjak - University of Ljubljana



“
Open Science training is about more than
learning how to comply with open access
policies - it is about trying to create a
societal benefit!
Kerstin Helbig - Humboldt-Universität zu Berlin



THERE IS SO MUCH
INFORMATION THAT WE WANT
TO PUT IN THIS BOOK AND
THERE IS SO LITTLE TIME!
Ignasi Labastida - University of Barcelona

OSTH: ¿Cómo contribuir?

El manual es una obra viva abierta a nuevas contribuciones

Casos prácticos de formación

Está disponible como GitBook

<https://open-science-training-handbook.gitbook.io/book/>

Posibles traducciones y adaptaciones



¡Gracias!

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