

# Welcome

Make peer review transparent again

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Helene Brinken  
brinken@sub.uni-goettingen.de

Edit Görögh  
goeroegh@sub.uni-goettingen.de



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UNIVERSITÄTSBIBLIOTHEK GÖTTINGEN



# Today

Time	No.	Theme
09:50 – 10:00	2	Introduction
10:00 – 10:30	3	Presentations on FOSTER – What is OS? & on OpenUP – What is OPR?
10:30 – 12:00	4	Small group exercises & discussion: Different perspectives on OPR, what do researchers need
12:00 – 12:30		Lunch



# Today

Time	No.	Theme
12:30 – 13:00	5	Presentation by Felix Schönbrodt
13:00 – 14:30	6	Small group exercises & discussion: Problematic aspects of review process, challenges & solutions
14:45 – 15:45	7	Panel discussion: Increasing reliability & incentives, data sharing and training for reviewers
15:45 – 16:00	8	Wrap up



# Get to know each other



1. Name & affiliation
2. Knowledge & peer review experience
3. Expectations for the workshop





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## Facilitating Open Science Training

Helene Brinken

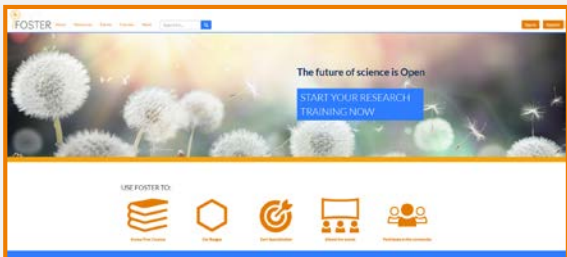
FOSTER Plus, SUB Göttingen

[brinken@sub.uni-goettingen.de](mailto:brinken@sub.uni-goettingen.de)

@helenebrinken



# FOSTER Plus resources



[www.fosteropenscience.eu](http://www.fosteropenscience.eu)

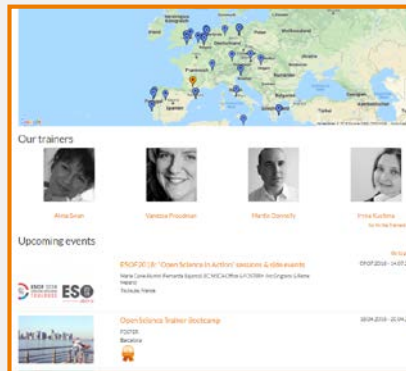


Open Science Training  
Handbook

[www.book.fosteropenscience.eu](http://www.book.fosteropenscience.eu)

Multiply training  
forces: train the  
trainer approach

Events calendar &  
Trainers directory



Focus: practical  
implementation &  
discipline specific  
content

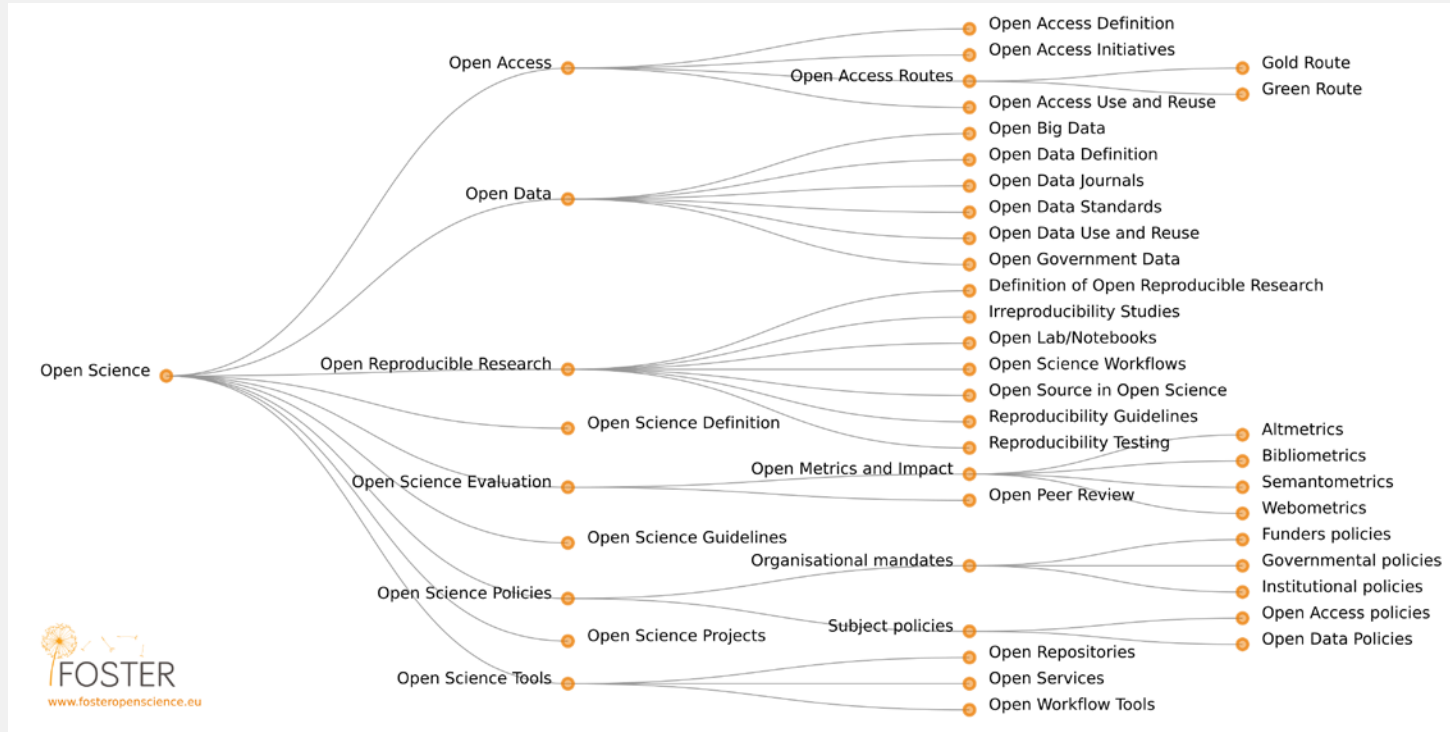


New courses

[www.fosteropenscience.eu/toolkit](http://www.fosteropenscience.eu/toolkit)



# Open Science taxonomy





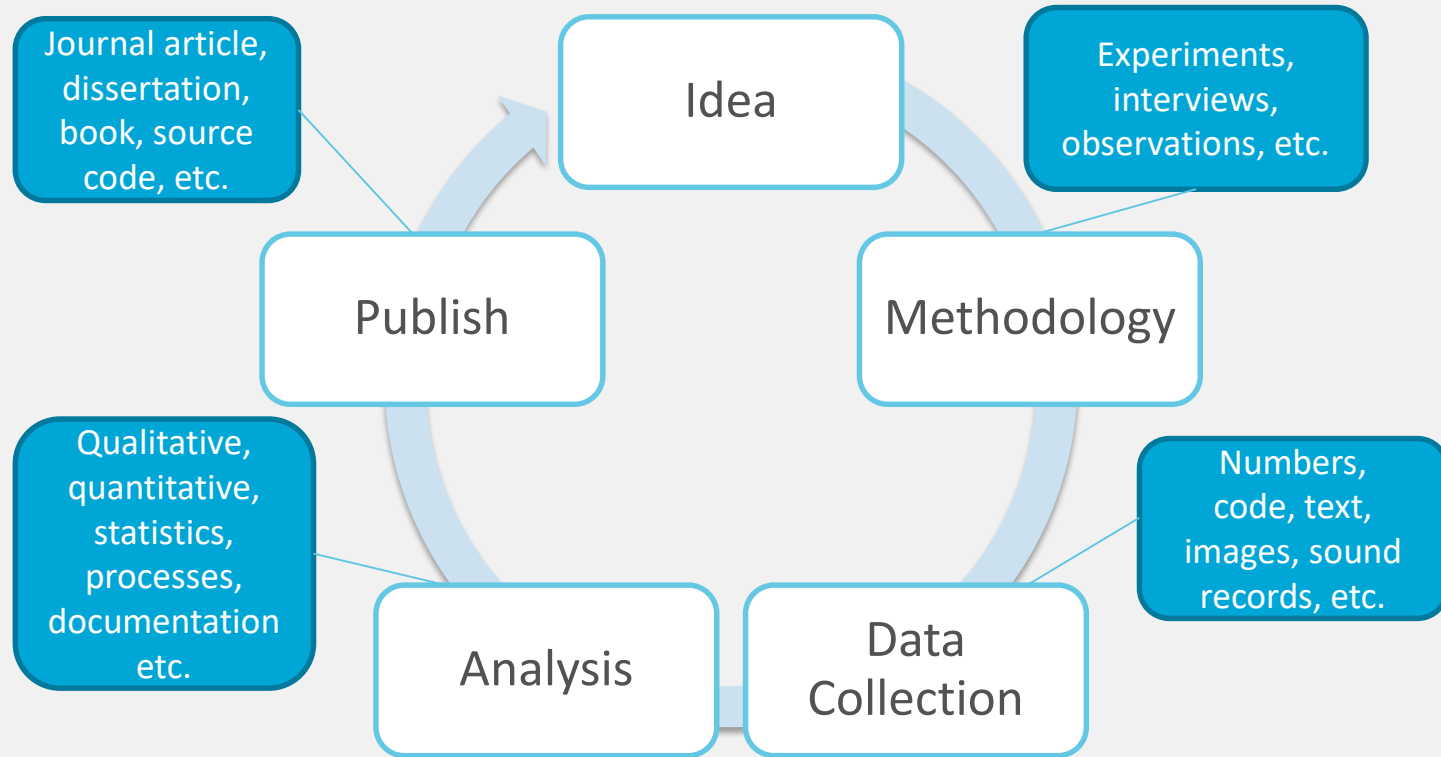
# What is Open Science?



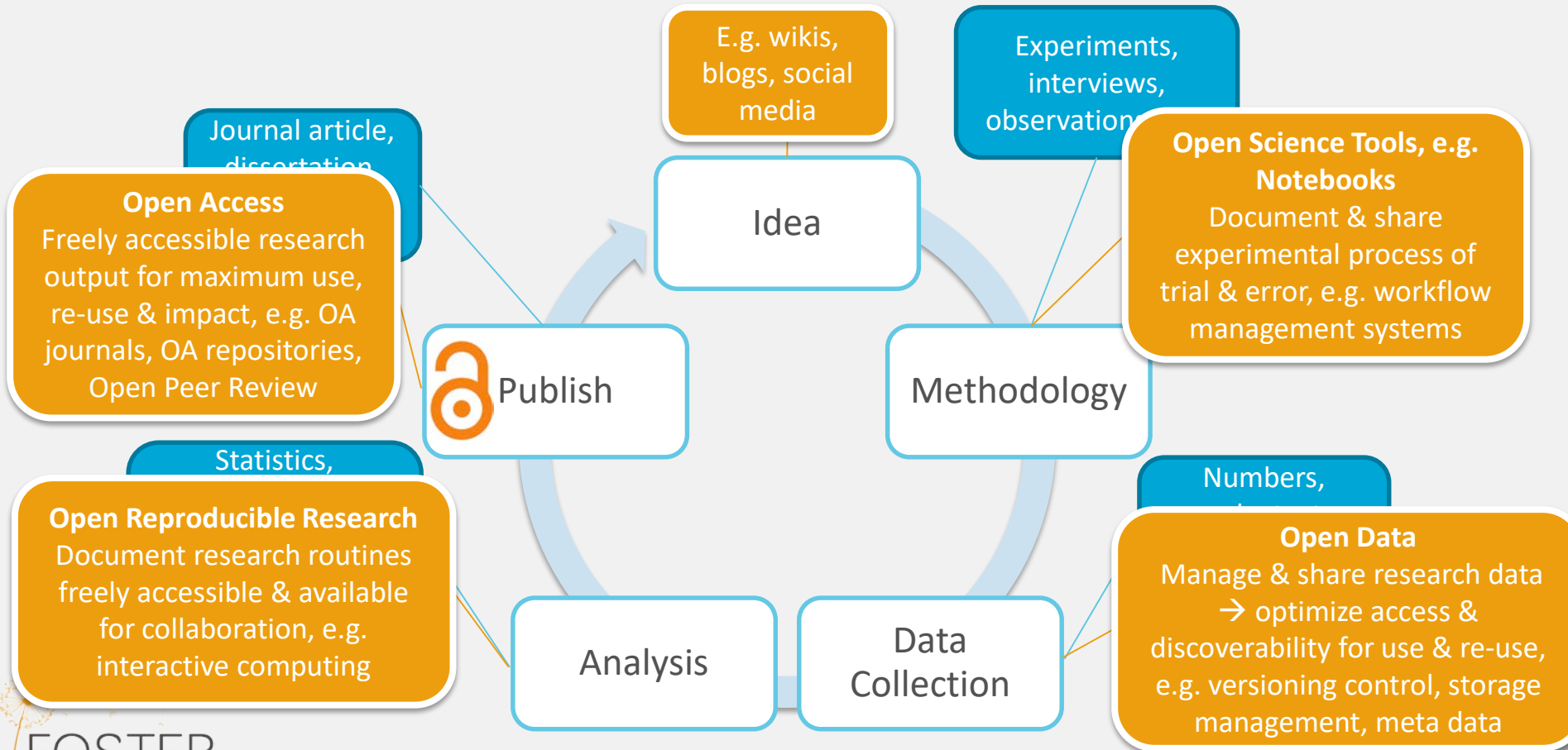
Open Science is the practice of science in such a way that others can **collaborate** and **contribute**, where research data, lab notes and other **research processes** are **freely available**, under terms that enable **reuse, redistribution** and **reproduction** of the research and its underlying data and methods.

[FOSTER, Open Science Definition: <https://www.fosteropenscience.eu/foster-taxonomy/open-science-definition>]

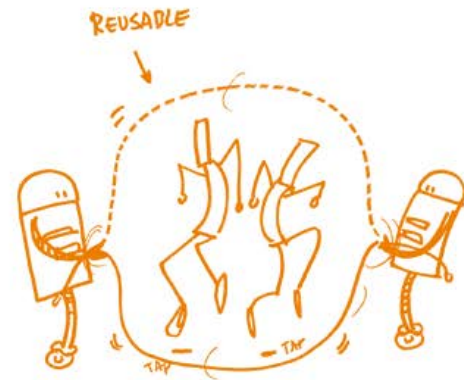
# Open Science along the research lifecycle



# Opening up the research life cycle



#### 4 FUNDAMENTAL RULES OF OPEN SCIENCE



## Basic tools

- DOIs
- Rich meta data
- Long-term archiving e-infrastructure

# Benefits of Open Science

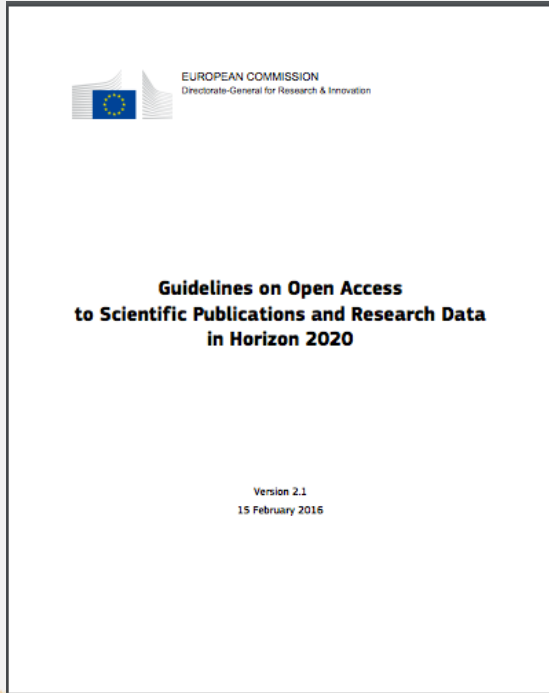


- Increasing **efficiency** of research
- Promoting scholarly rigor & **quality** of research
- Enhancing **visibility** & scope for engagement
- Enabling researchers to ask **new** research **questions**
- Inducing **collaboration** & **community-building**

[Source: Open To All? Case studies of openness in Research  
[http://www.rin.ac.uk/system/files/attachments/NESTA-RIN\\_Open\\_Science\\_V01\\_0.pdf](http://www.rin.ac.uk/system/files/attachments/NESTA-RIN_Open_Science_V01_0.pdf)]

- Increasing the **economic** & **social impact** of research

# Open Science as a requirement



## Research results

*“each beneficiary must ensure open access to all peer-reviewed scientific publications”* (page 4)

## Research data

*“A new feature of Horizon 2020 is the Open Research Data Pilot (ORD Pilot), designed to improve and maximise access to and reuse of research data generated by projects...”* (page 7)

# Thanks!



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@helenebrinken

Helene Brinken

University of Göttingen

[brinken@sub.uni-goettingen.de](mailto:brinken@sub.uni-goettingen.de)



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ACTIVITIES



# Your perspective



What are your current peer review habits or preferences?

- As an author
- As an reviewer



VS.



# Role play debate



- What are advantages & disadvantages from the different perspectives?
- Think about benefits & potential drawbacks of **open identities**, **open reports** & **open participation** and convince your audience!



Author

&

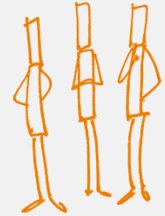


Reviewer



Researcher

&



Journalists

# Your perspective



Any changes?

- As an author
- As an reviewer



VS.



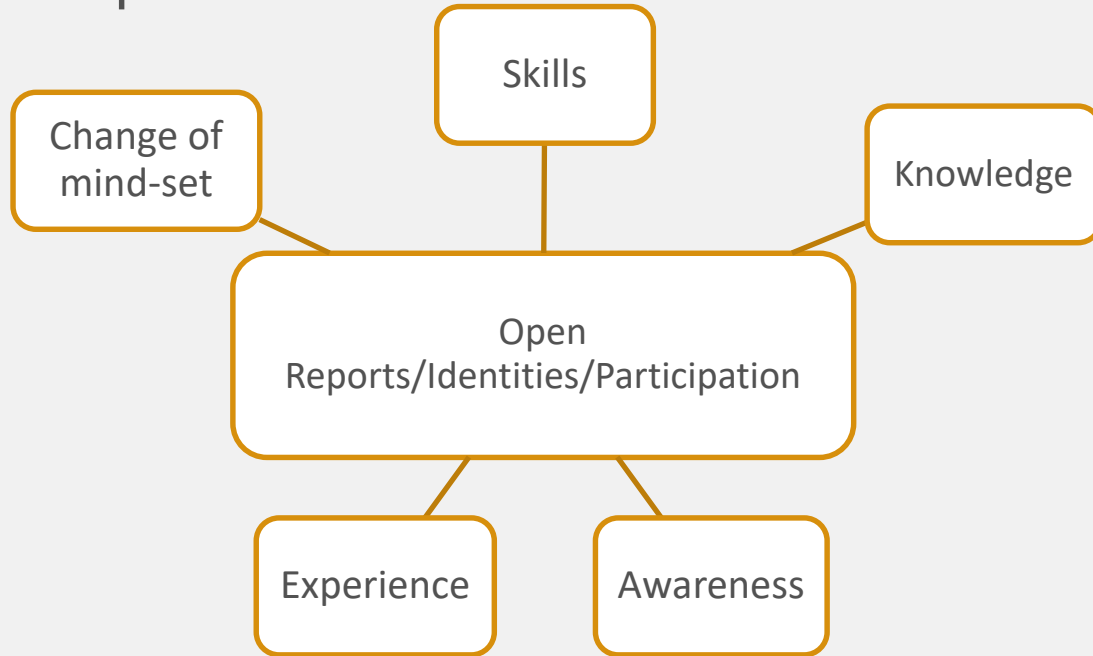
Time for coffee  
5-10 min



# What do we need?



What do researchers need to put a more transparent process into practice?



# How to get started?



## First steps

- Open Peer Review Oath

Aleksic J, Alexa A, Attwood TK *et al.* An Open Science Peer Review Oath [version 2; referees: 4 approved, 1 approved with reservations]. *F1000Research* 2015, **3**:271 (doi: [10.12688/f1000research.5686.2](https://doi.org/10.12688/f1000research.5686.2))

## Some resources

- FOSTER open science training courses
- OpenUP HUB toolbox

# Include an Open Peer Review Oath

## 1. Sign your review



- Include name, position, institution, ORCID etc.
  - Authors can put your comments into context
- Check publishing policies of journal or platform before including contact information (e.g., email address)

# Include an Open Peer Review Oath

## 2. Review with integrity



- Check that you do not have **any conflict of interest** (e.g., personal, financial, intellectual, professional, political or religious), otherwise **declare** it!
- **Minimise** personal, unconscious & unintentional **biases** (e.g., favouritism of people, topics or writing styles) by following a consistent and structured process (use a template)



# Include an Open Peer Review Oath

## 3. Review in discourse with the author



- Enter into a **written dialogue** with the author and provide constructive & fair feedback in order to review in the most **supportive & respectful** way
- Make reasonable annotations & **help the author** to work with your review: **Be specific** (number pages and paragraphs to make clear what you are referring to)

# Include an Open Peer Review Oath

## 4. Be an ambassador for Open Science



- As a reviewer
  - Follow steps of **OPR oath** to make process supportive & collaborative
  - Provide guidance to support **transparency, reproducibility, reuse & integrity** of research
- As an author
  - Publish a **preprint** & ask **community** to review
  - Submit your work to a **journal** that **supports OPR** methods

From FOSTER Open Peer Review course ([www.fosteropenscience.eu/toolkit](http://www.fosteropenscience.eu/toolkit)), which is based on: Aleksic J, Alexa A, Attwood TK *et al.* An Open Science Peer Review Oath. *F1000Research* 2015, **3**:271 (doi: [10.12688/f1000research.5686.2](https://doi.org/10.12688/f1000research.5686.2))

# FOSTER online courses



FOSTER

## Open Science Training

- Access free online courses
- Learn about Open Science
- Choose your learning path
- Earn badges & certificates

[www.fosteropenscience.eu](http://www.fosteropenscience.eu)



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How do you put Open Science into practice?  
Explore our training courses!

[www.fosteropenscience.eu](http://www.fosteropenscience.eu)

- Open Access Publishing
- Managing Research Data
- Open Peer Review
- Licensing
- Best Practice

and more!

By providing learning opportunities to researchers, the EU-funded project FOSTER Plus (2017-19) supports the practical implementation of Open Science.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 741839

## Open Peer Review

This module will introduce you to Open Peer Review

## What does Open Peer Review (OPR) mean?

### Definition of OPR

Click the forward arrow to see more

### Introduction

#### OPR in three minutes

This module introduces you to Open Peer Review in Science.

In this short video, Tony Ross-Hellauer introduces OPR, which is strongly needed in the current research environment.

Upon completing this module, you will be able to:

- understand what OPR is
- be aware of OPR in your research
- know how to write a peer review
- know about useful OPR tools

#### What is Open Peer Review

### Aspects of OPR

The following aspects of OPR add more value to your research

Click the forward arrow to see more.

### Six good reasons

OPR helps support the transition to Open Science by making all aspects of the research lifecycle more transparent. OPR offers a number of additional benefits.

Click the headings to explore further.

+ Transparency

+ Context

+ Motivation

[www.fosteropenscience.eu/toolkit](http://www.fosteropenscience.eu/toolkit)

# OpenUP Hub



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# OpenUP

Opening UP the research lifecycle



Review



Assess



Disseminate

I am a...



Young Scholar  
and I want to understand alternative  
reviewing methods



Researcher  
and I seek for novel ways to disseminate  
my work



Project manager  
and I am interested in analyzing the  
impact of a scientific work and correlate  
them to dissemination channels



Funder  
and I want to sense the community  
pulse to better stream the funding



Policy maker  
and I want to listen to the needs of the  
scientific community



Open Science advocate  
and I want to advance Open Science



Publisher  
and I want to identify emerging ideas  
and researchers to publish their work



Librarian  
and I want to learn more about  
Altmetrics

# OpenUP Hub



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## Community - Read, write & connect!

OpenUP Hub is the meeting point where new ideas and beliefs are expressed.



### Blog

Are you an Open Science advocate? Join the community and share your ideas!



### Calendar

Find the events that interest you.



### Observatory

Sense the community pulse!



### Members

Meet & connect with other community members!



### OpenScience Q&A

Have a question on Open Science? Join the OpenScience Q&A.



### Sign in

Time for lunch  
12-12:30

