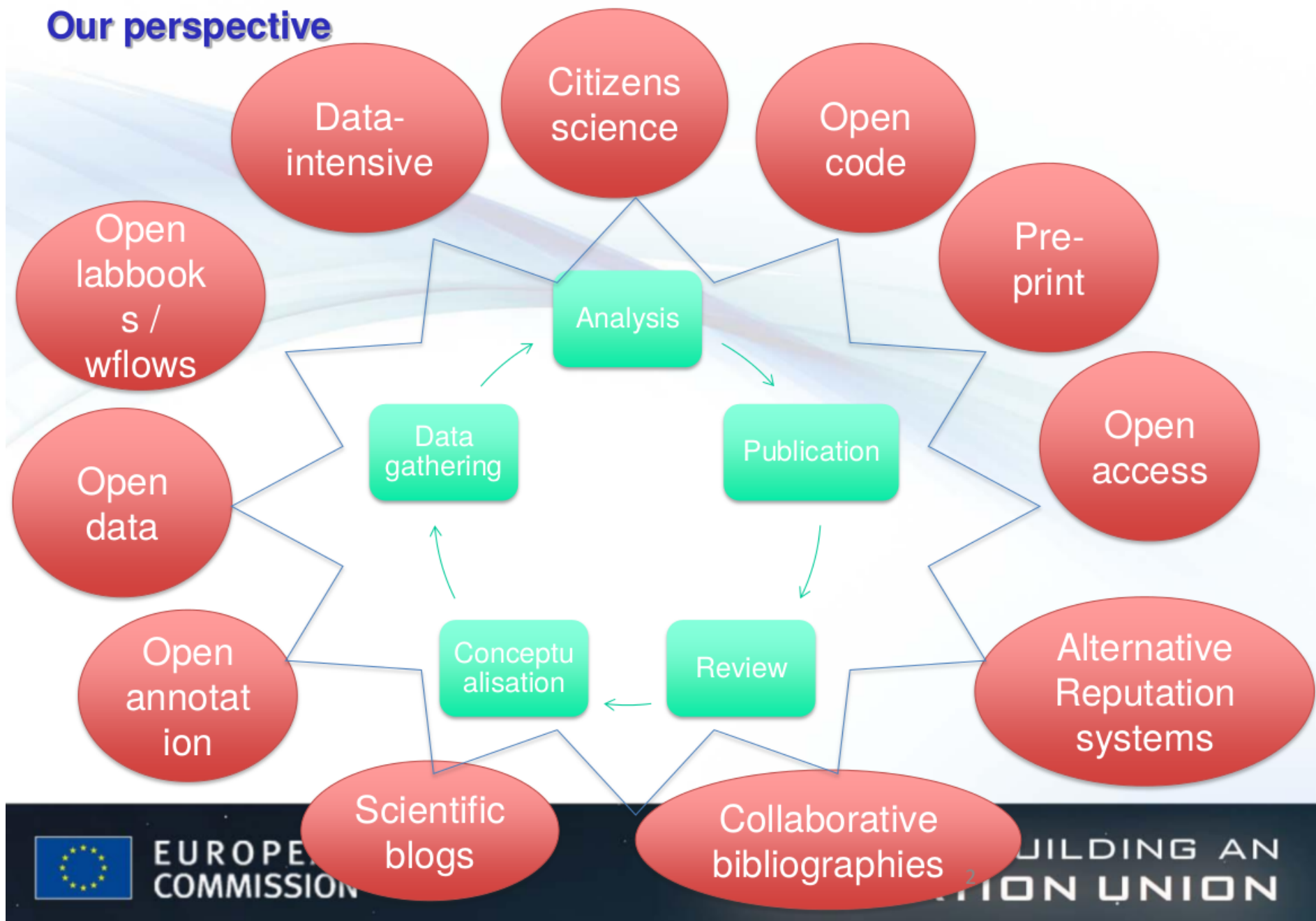


# Is my university ready for the Open Science challenges?

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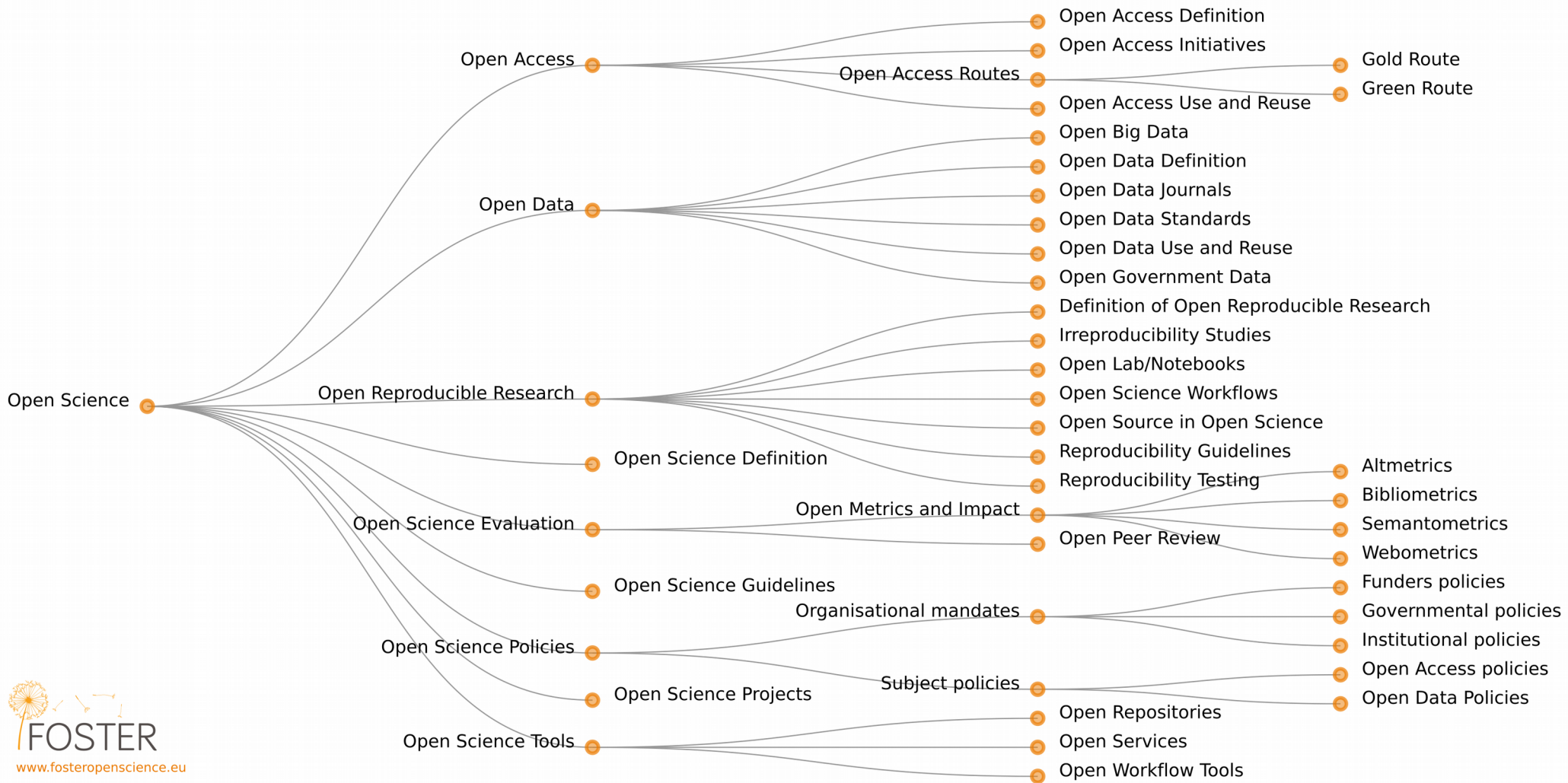


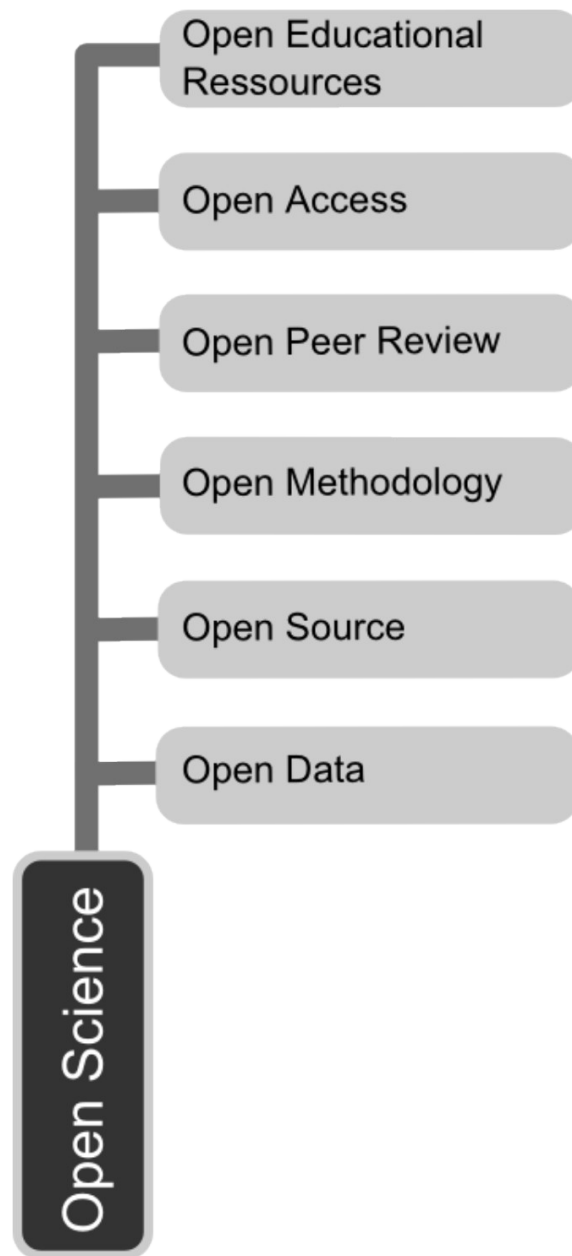
## Our perspective



J. C. Burgelman, European Commission, Science 2.0

# Open Science Taxonomy





"Open Science - Prinzipien" CC BY Andreas E. Neuhold  
[https://commons.wikimedia.org/wiki/File:Open\\_Science\\_-\\_Prinzipien.png](https://commons.wikimedia.org/wiki/File:Open_Science_-_Prinzipien.png)

# The “roadmap” to Open Science

- Defining Open Science
- Identifying the working areas
- Selecting the people
- Acknowledging what has been done
- Planning actions
- Monitoring actions
- Review and update

# Definitions

Open Science aims at transforming science through ICT tools, networks and media, to make research more open, global, collaborative, creative and closer to society.

<https://ec.europa.eu/digital-agenda/en/open-science>

# Definitions

Open science is the movement to make scientific research, data and dissemination accessible to all levels of an inquiring society, amateur or professional

[https://en.wikipedia.org/wiki/Open\\_science](https://en.wikipedia.org/wiki/Open_science)

# Definitions

Open means anyone can freely access, use, modify, and share for any purpose (subject, at most, to requirements that preserve provenance and openness)

<http://opendefinition.org/>



# Identifying Working Areas

Publications

Research Data

Other Research Outputs

Social Impact

Evaluation

Infrastructures

Policies

Beyond Science/Research

# Working with and for People

Acknowledging leaderships and new behaviours  
Building communities and sharing best practices  
Rewarding new outputs and new methodologies  
Training at any level of the community  
Changing mindsets, working frames  
Engaging citizens

# What has been done?

## Publications: Open Access

- Institutional Repositories
- Institutional Journals
- University Press

Percentage of OA access, green or gold, costs

Openness in institutional journals

Introduction of openness in University presses

# What has been done?

## Infrastructures

- Repositories for publications, data, code
- Facilities for Research Data Management
- Facilities for Digital Humanities
- Connection with external facilities

## Services around infrastructures

## Analysis of costs

# Analyse future scenarios

- 1) Achieve 100 % Open Access in publications
- 2) Offsetting models
- 3) New Publishing Platforms
- 4) European Open Science Cloud

# Posing questions

Is your institution ready for supporting an offsetting?

- How much do you spend on subscriptions?
- How much do you spend on publishing?
- How many articles do you produce yearly?

# Posing questions

Is your institution ready for the new publishing platforms?

- How do you evaluate research performance?
- How do you acknowledge reviewers?

Is your institution ready «to switch» into the EOSC?

# Let's make a plan!





## Amsterdam Call for Action on Open Science



**EU**  
**2016**



# Amsterdam Call for Action on Open Science

Two goals to reach:

- Full Open Access for all scientific publications
- A fundamentally new approach towards optimal reuse of research data

With the help of

- New assessment, reward and evaluation systems
- Alignment of policies and exchange of best practices

# Amsterdam Call for Action on Open Science

## Removing barriers to open science

- change assessment, evaluation, and reward systems in science
- facilitate text and data mining of content
- improve insight into intellectual property rights and issues such as privacy
- create transparency on the costs and conditions of academic communication

## Developing research infrastructures

- introduce FAIR and secure data principles
- set up common e-infrastructures

# Amsterdam Call for Action on Open Science

## Fostering and creating incentives for Open Science

- adopt open access principles
- stimulate new publishing models for knowledge transfer
- stimulate evidence-based research on innovations in open science

## Mainstreaming and further promoting open science policies

- develop, implement, monitor and refine open access plans

## Stimulating and embedding open science in science and society

- involve researchers and new users in open science
- encourage stakeholders to share expertise and information on open science

# Amsterdam Call for Action on Open Science

Actions addressed to research performance institutions:

- Exploring new ways of evaluating research
- Retain control over research outputs
- Sharing by default but closing when needed
- Negotiate with stakeholders introducing open access principles
- Transparency on public spending
- Institutional policies on Open Science
- Set up infrastructures and/or engage in external ones
- Share openly outcomes from Citizen Science projects

# Open Science at University of Barcelona

Identification of working areas:

- Open Access
- Research Data Management
- Evaluation
- Training
- Public Engagement

Creation of a Steering Committee and five dedicated committees

Development of actions after taking the current picture

# First Area: Open Access

Currently:

- Institutional Open Access Policy
- Institutional Repository linked to CRIS
- Funds for Open Access Publishing excluding hybrid
- Open access at institutional journals
- Few open access experiences at University Press

# First Area: Open Access

## Planned actions:

- Review of the Institutional Open Access Policy
- Expand Open Access principles in new Collections at University Press
- Publication of publishing and accessing costs
- Calculating offsetting scenarios
- Include Open Access principles in negotiations



# Other Planned Actions

- Adoption of an RDM Policy based on the LEARN model
- Study of existing and needed infrastructures for research activities
- Introduction of new research outcomes in internal evaluations
- Review of the current internal evaluation
- Acknowledgement and rewards of citizen science activities
- Training at all university levels

# Let's be open!

NS

cess ★  
early work

Medicine

hip

ress! - Digital Divide

## OUT? CRITERIA

- (1) The research a univ. produces is OA.
- (2) ~~The ~~ed. materials~~ resources~~ <sup>course materials</sup> are ~~open~~ OER
- (3) U. chooses FS when possible & open formats <sup>always</sup> <sub>U. should use</sub>
- (4) Patents for public good <sub>software, medicine</sub>
- (5) Public Internet not censored

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Focus on Open Science: Is my university ready?

Vienna, Budapest, Ljubljana, 20-24th November 2017

CC BY Ignasi Labastida

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# Questions ?

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