

OPEN SCIENCE IS A RESEARCH ACCELERATOR

Gita Rozenberga

National Open Access Desk - Latvia
Library of the University of Latvia



Agenda...

What is Open Science

Open Access

Open Data

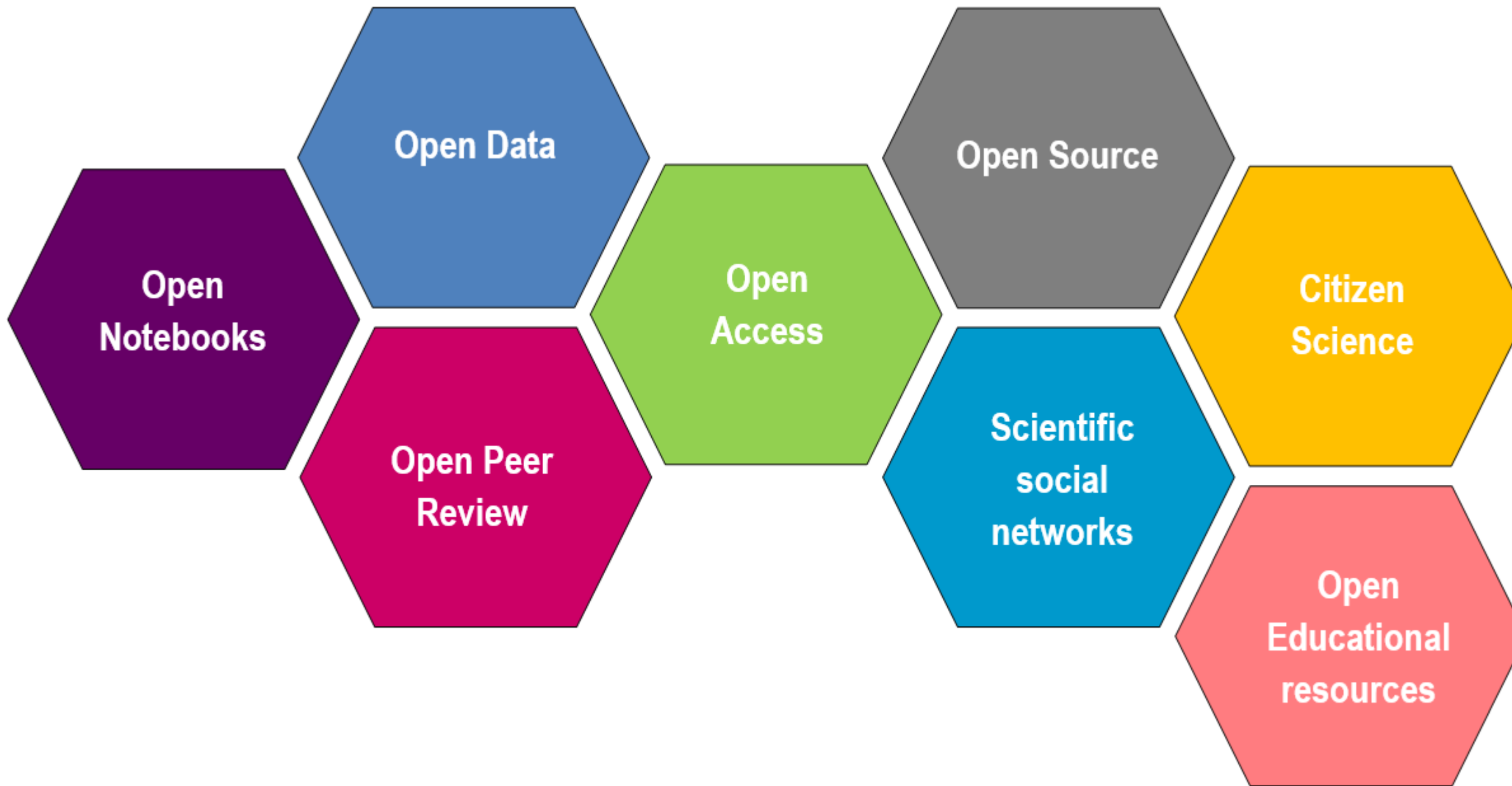
Benefits of Open Science

Open science

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



Open Science components



Why?



Source: <https://uerick.files.wordpress.com/2013/04/justifi.jpg>

Economic threat
need

Philosophical view
will

Technical possibility
capacity

Open Access

Free, permanent, full-text online access without financial, legal and technical barriers - the right to read, download, copy, save, print, share, respecting copyright, quoting the author of the work and maintaining the integrity of the work.



Source: HackYourPhD community, <http://hackyourphd.org/en/2014/07/the-diy-hacker/>

Open Data

Open Data are online, free of cost, accessible data that can be used, reused and distributed provided that the data source is attributed.

The way data is organized and archived is very important for the research reproducibility.

Benefits

- For research and publication
- Teaching staff and students
- Benefits to author
- Benefit to readers
- Benefit to Society
- Journals and publishers
- Funding agencies
- Governments
- Citizens
- Libraries
- Universities
- Benefits to nations

EC interest

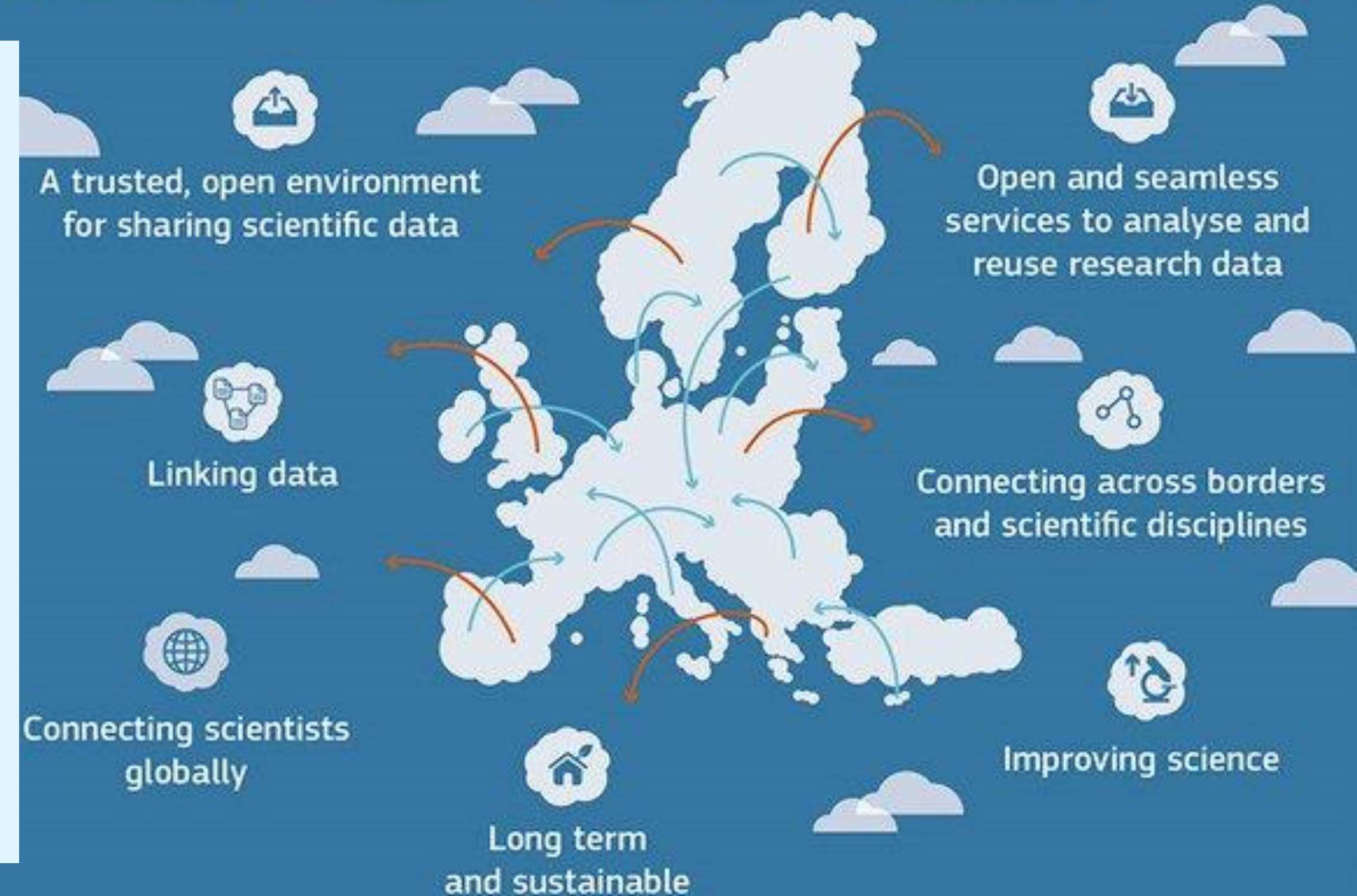
- Accelerating research and increase R&D investment profits
- Avoiding research duplication
- Cross-sectoral research, inter-institutional and national co-operation
- Wider and faster opportunities for using research results in business
- Return of public investment

Carlos Moedas,
Commissioner for Research
Science and Innovation,
19.4.2016

«Our goal is to create a European Open Science Cloud to make science more efficient and productive and let millions of researchers share and analyse research data in a trusted environment across technologies, disciplines and borders.»

EUROPEAN OPEN SCIENCE CLOUD

BRINGING TOGETHER CURRENT AND FUTURE DATA INFRASTRUCTURES



Projects for the implementation of open science



THE HORIZON 2020 MANDATES: OPEN ACCESS & OPEN DATA

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Agenda...

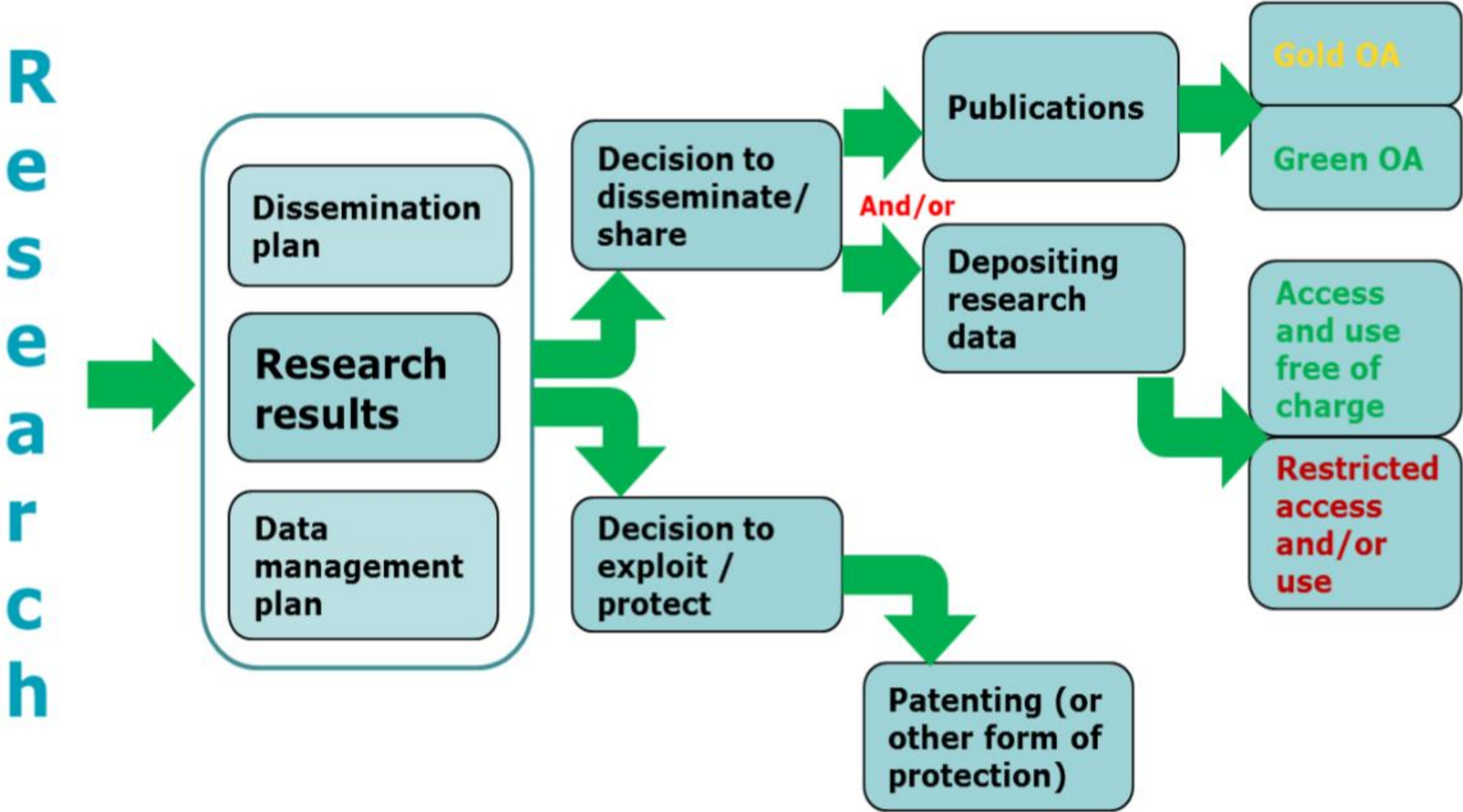
Research results and dissemination

Horizon 2020 requirements

OpenAIRE project for the scientific society and beyond

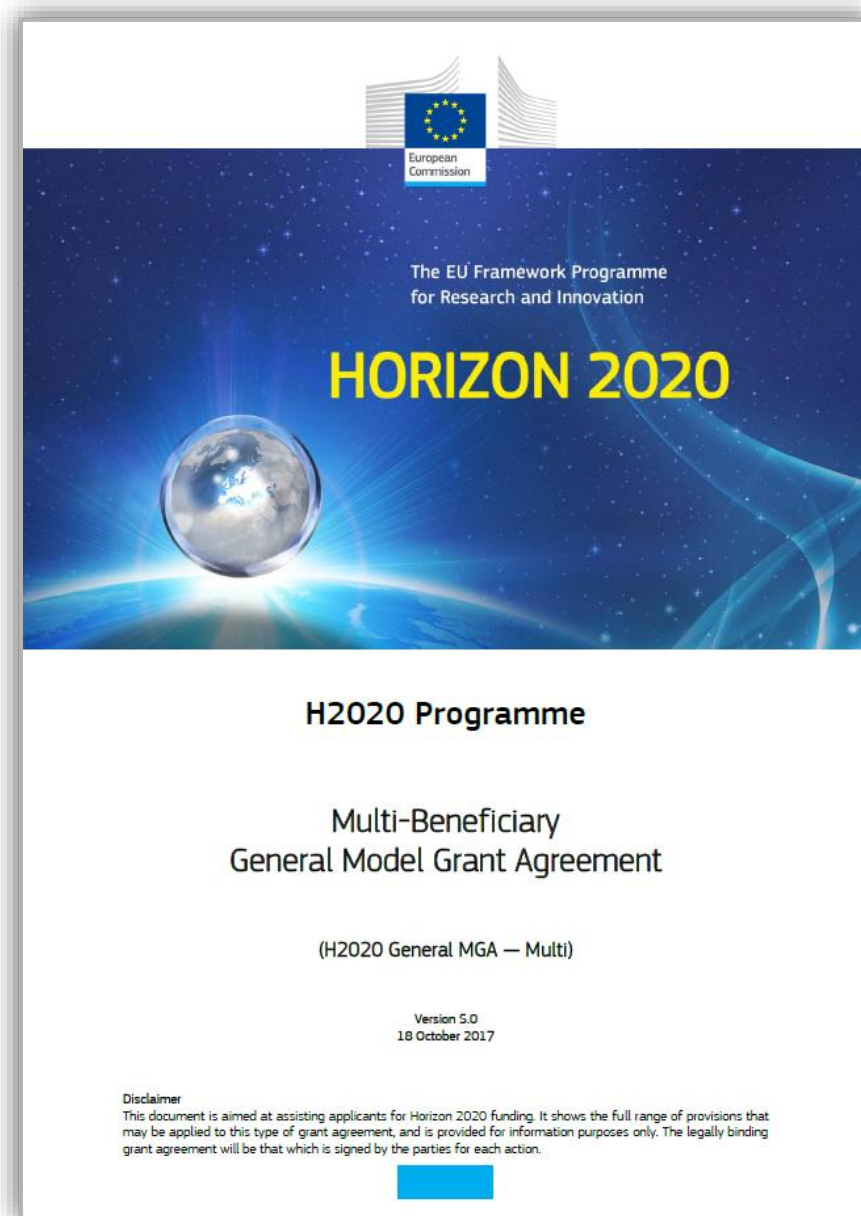
The aim is to facilitate, improve the exchange of information within the European scientific area and beyond.

Dissemination



Source: Guidelines to the Rules on Open Access to Scientific Publications and Open Access to Research Data in Horizon 2020 Version 3.2, http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-pilot-guide_en.pdf

Horizon 2020 grant agreement – Open Access



“Ensure open access... as soon as possible and the latest on publication, deposit a machine-readable electronic copy of the published version or final peer-reviewed manuscript accepted for publication in a repository for scientific publications”

Source: Guidelines to the Rules on Open Access to Scientific Publications and Open Access to Research Data in Horizon 2020
Version 3.2,

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-pilot-guide_en.pdf

4 steps to getting open access articles

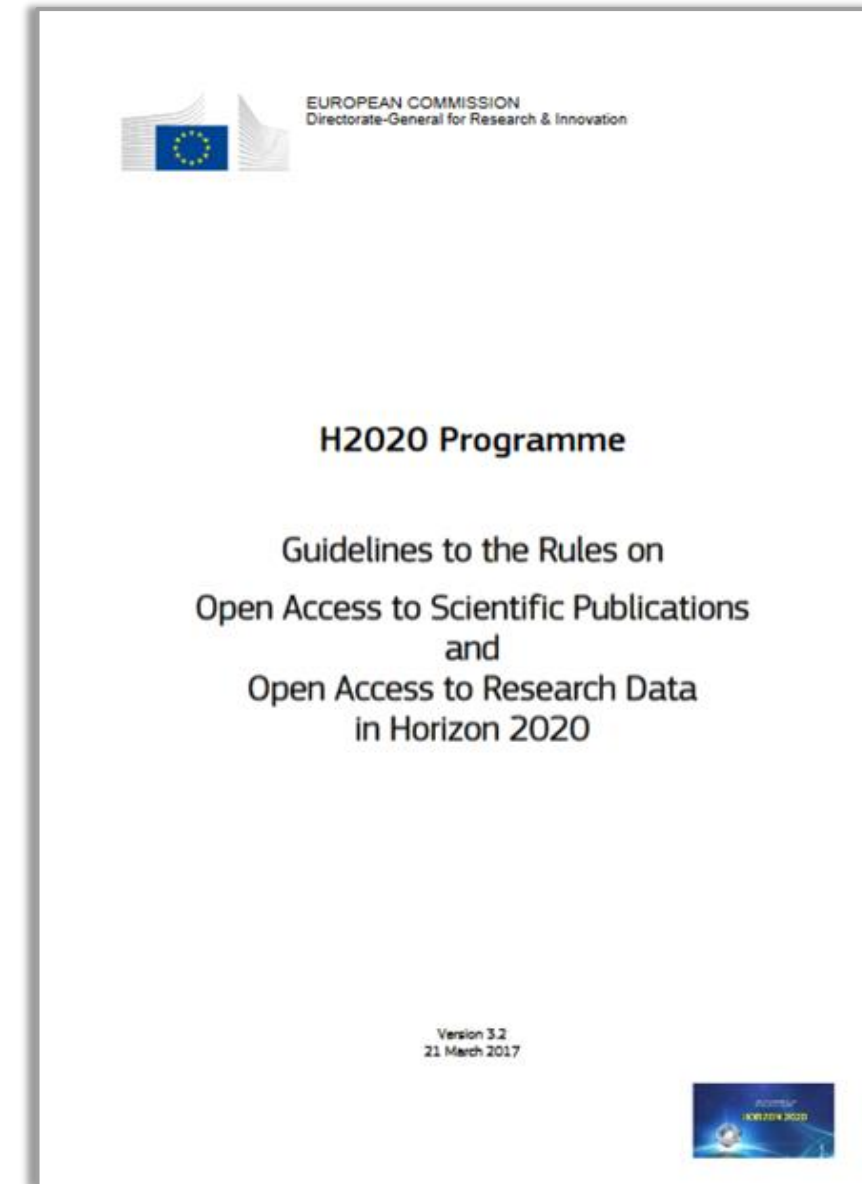
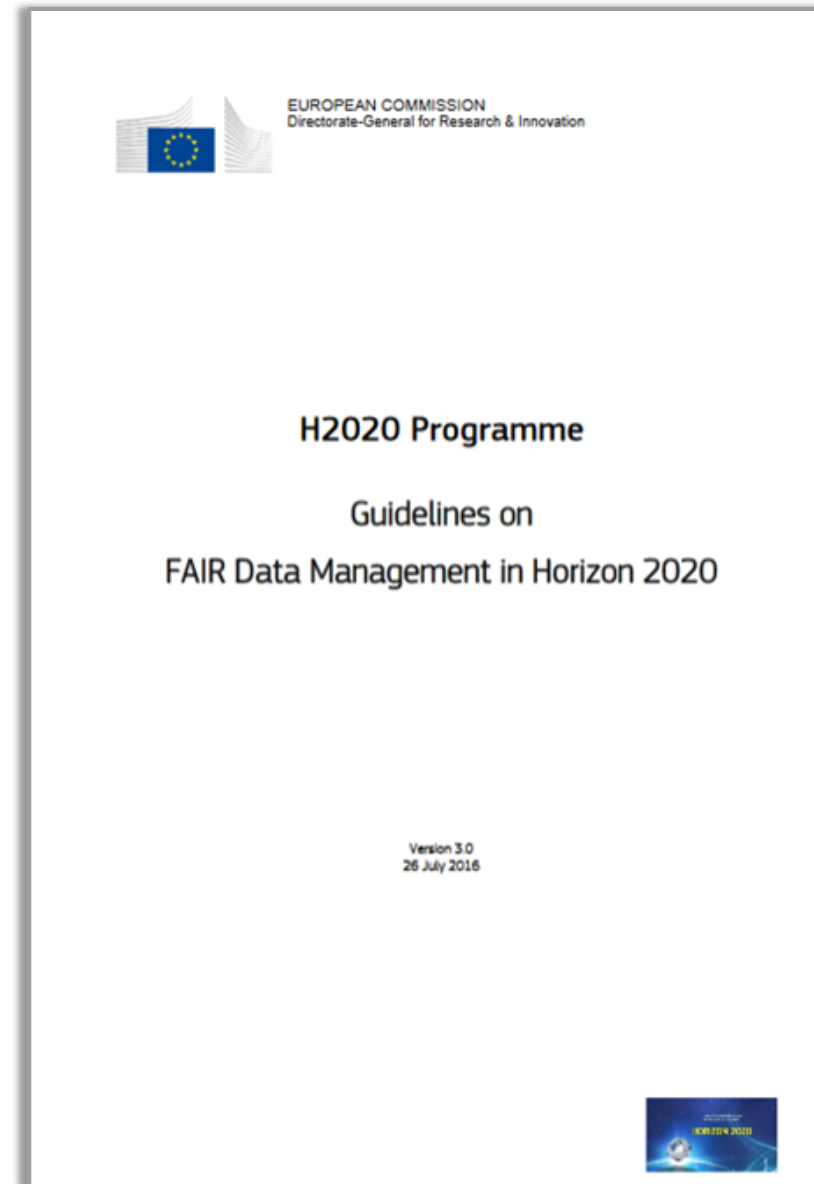
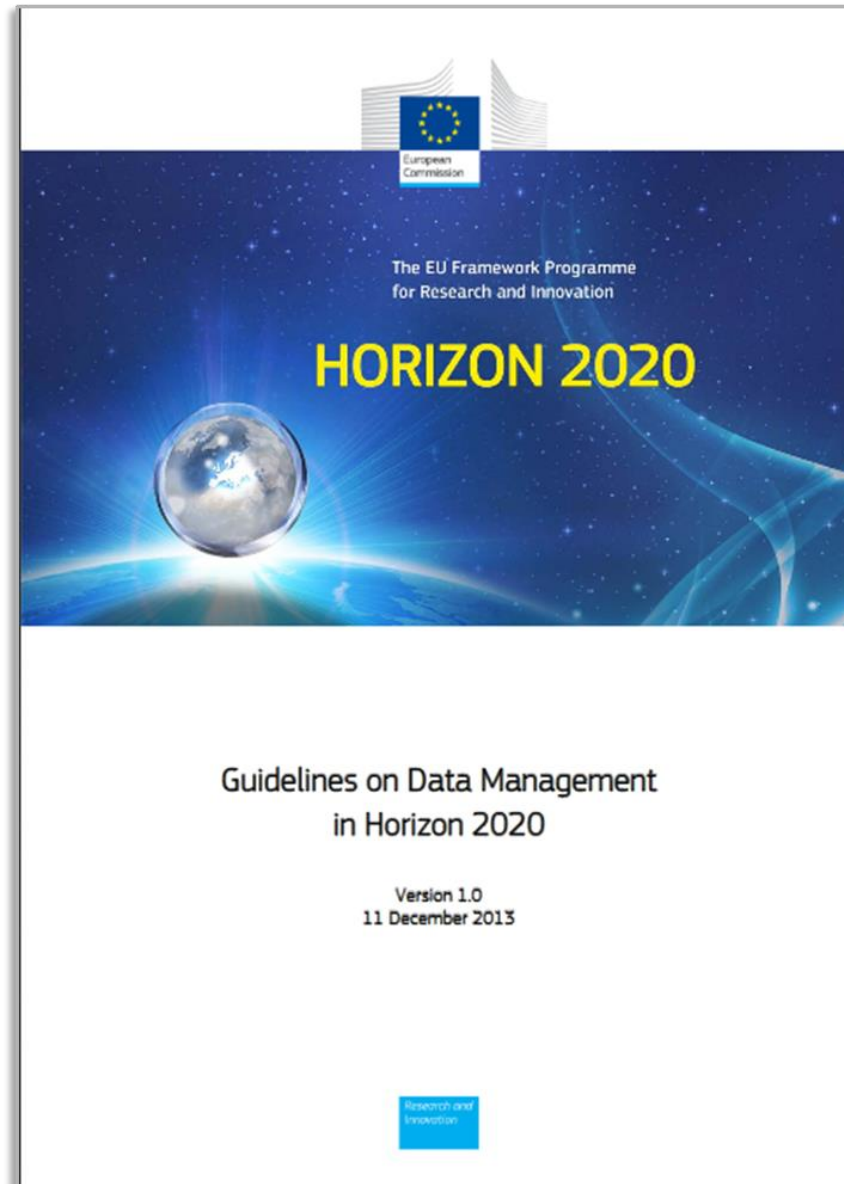


1. **Submit papers to a journal of choice**, there is no restriction. If a researcher chooses to publish in an OA journal, publishing costs can be reimbursed within the project period and budget.
2. **Deposit** final manuscript or publishers PDF in a repository, either institutional or disciplinary.
3. **Acknowledge project funding**, both in the publication and in the metadata: each publication should add the EC grant agreement number.
4. **Each paper** must have a **publication date**, a **date of release in open access** (Embargoed if necessary) and a **persistent identifier**.

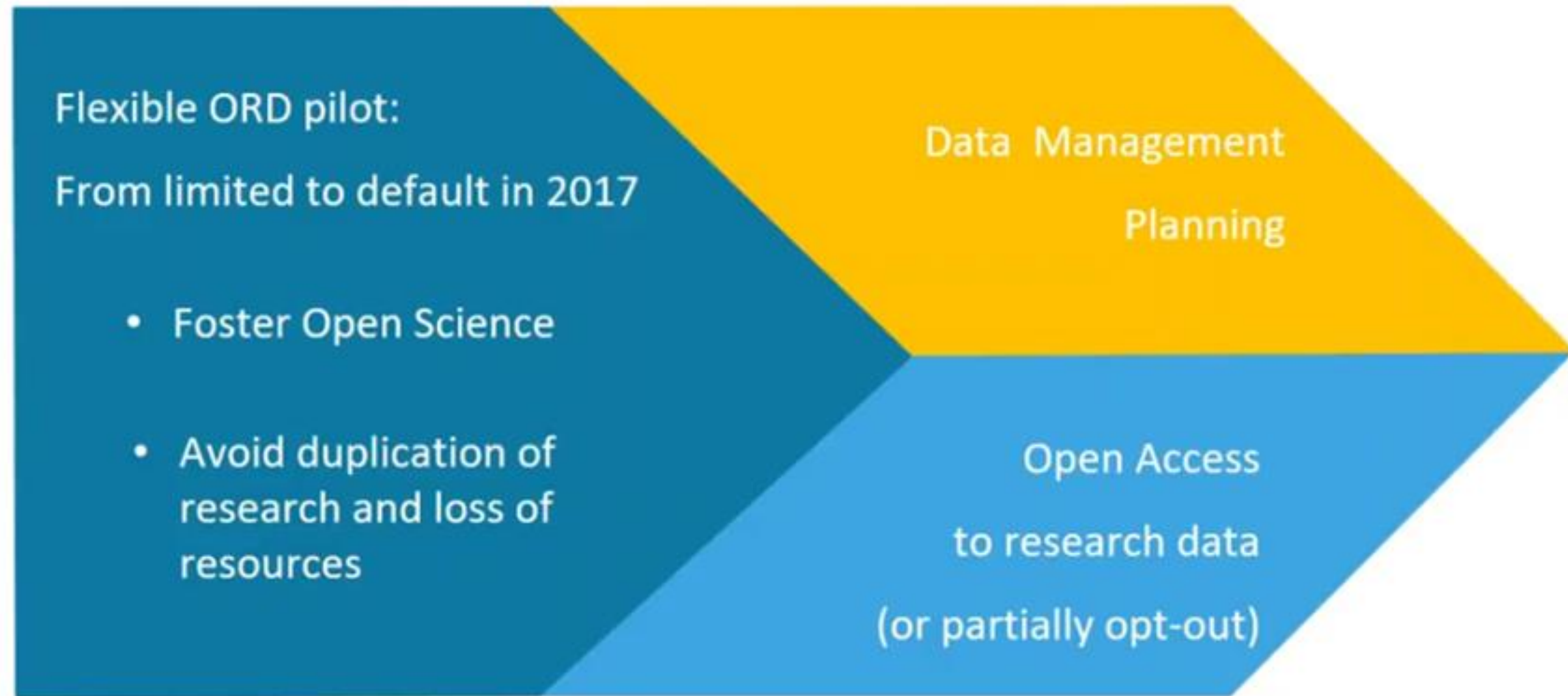
Issues to consider

- Publishing all articles in APC based OA journals is probably not the right solution as it can lead to a substantial amount of the project budget. → a mix of depositing articles and publishing in OA journals is highly recommended.
- The growing OA market comes with some challenges. → lots of new publishers/journals some of questionable quality. Consult white list such as <http://doaj.org/>

Horizon 2020 guidelines – data



EC: The Open Research Data Pilot



Source: Open Access to Research Data in Horizon 2020, <https://www.youtube.com/watch?v=fFvLs7a5TuY>

Which areas are participating?

Projects started in 2014-2016

Limited ORD Pilot

- Limited ORD pilot: some areas: Check **Article 29.3**
- DMP/Dataset
- Possibility to opt-in or opt-out

From 2017

Extended ORD Pilot

- Participating is **default** option for **all** projects
- 1 DMP/Project
- Possibility to opt-out

Source: Open Access to Research Data in Horizon 2020, <https://www.youtube.com/watch?v=fFvLs7a5TuY>

How to find a repository?



Source: OpenAIRE and Eudat services and tools to support FAIR DMP implementation,

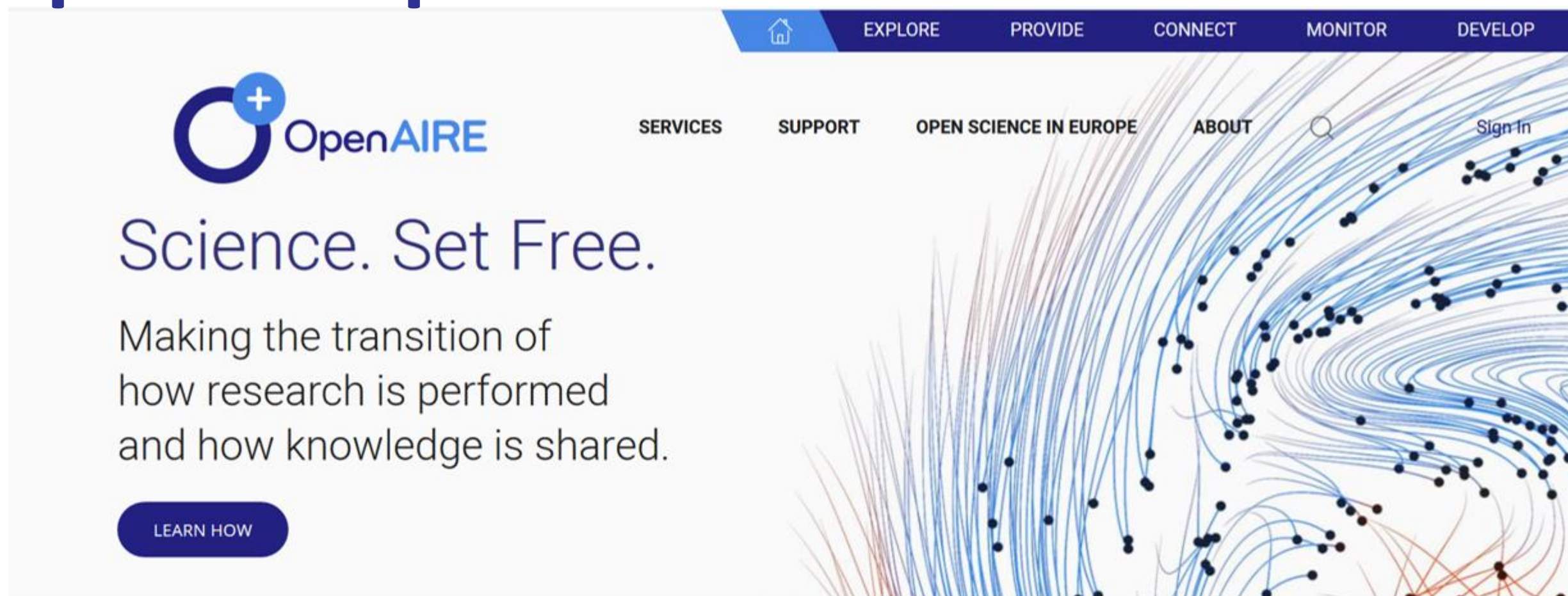
<https://www.slideshare.net/ResearchDataAlliance/openaire-and-eudat-services-and-tools-to-support-fair-dmp-implementation-68900290>



www.openaire.eu

OpenAIRE portal

<https://www.openaire.eu/>



Services

Researcher, research community, content provider, or manager of research? Find a service that matches your needs.



Policies

Looking for information and instructions on open science policies? Access our resources or ask us a question.



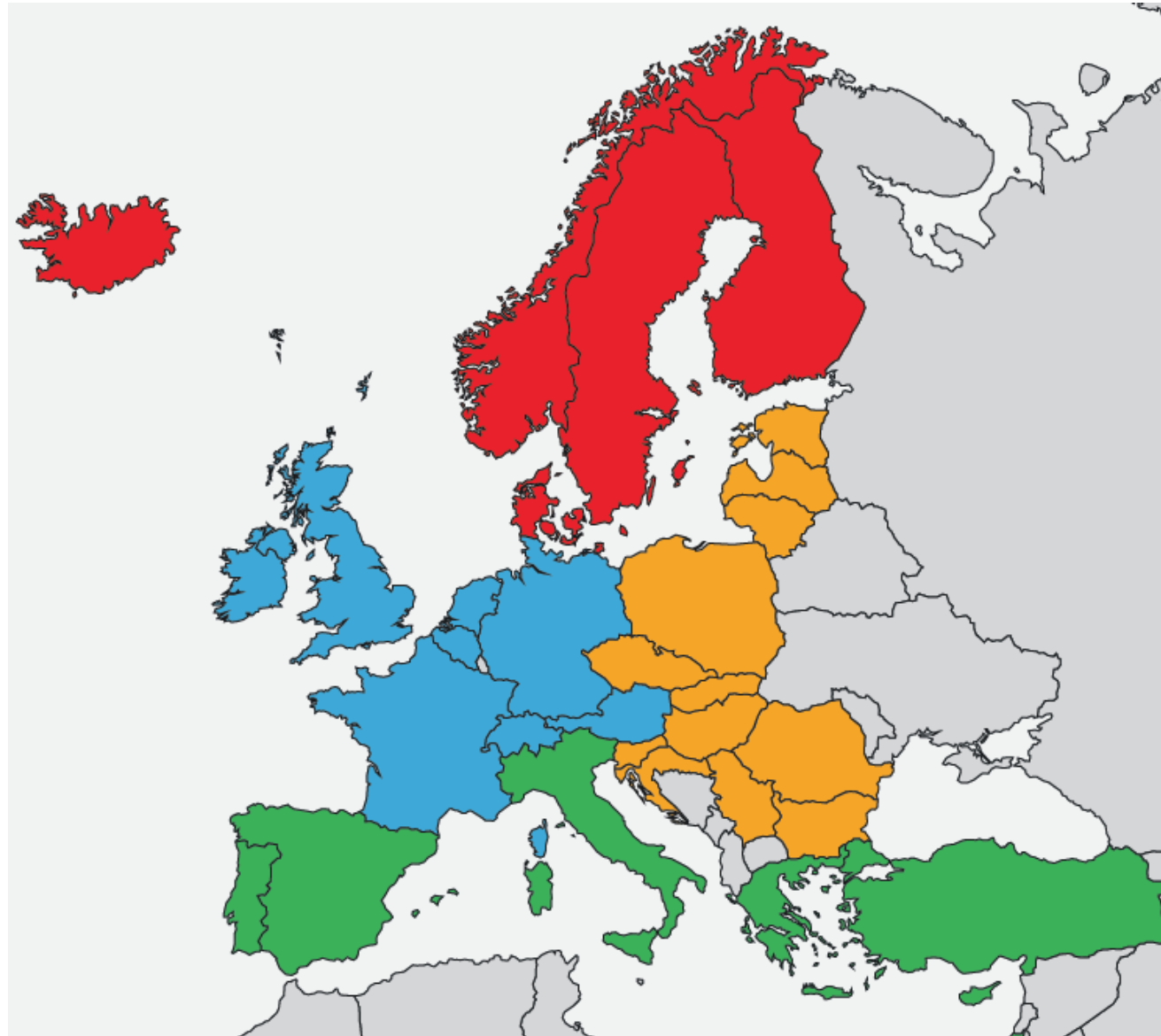
Training

Need to learn how to implement open science? Browse through our guides and webinars. See what is coming next, or contact us for assistance.

Project OpenAIRE basis :

- **Human support network**
- **Infrastructure**
- **Politics**

Project OpenAIRE



- International project, EC
- Long-term project
 - OpenAIRE (2009-2012)
 - OpenAIRE plus (2012-2014)
 - OpenAIRE (2015-2018)
 - OpenAIRE-Advance (2018-2020)

Project OpenAIRE - Latvia

- Regional representative - University of Latvia
- Functions:
 - support for researchers, research project managers, science policy makers, publishers, library specialists all over Latvia
 - explaining open access ideas to the society
 - providing information to interested parties / representatives of the scientific community outside Latvia

○ **National Open Access Desk – Latvia**

www.napd.lu.lv

Contact information

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Thank you!

