Open Research Data in the European Policy Context and Horizon 2020

Patrick Brenier
European Commission, DG RTD unit A6
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CHALLENGE

Wider access to scientific facts and knowledge helps researchers, innovators and the public find and re-use data, and check research results:

- **offers better value for EU research funds**
  - a public benefit

- **encourages research across scientific fields**
  - essential for solving today's complex societal challenges
BE PART OF THE NEW ERA OF OPEN SCIENCE

here's one example of the gains arising from open research data

Bioinformatics Institute

€1.3 billion per year

Benefits identified by the European Bioinformatics Institute to users and their funders just by making scientific information freely available to the global life science community...

equivalent to more than 20 times the direct operational cost of the Institute

Source: Charles Beagrie Ltd. for EMBL-EBI
OPEN RESEARCH DATA
IN HORIZON 2020
SOLUTION

Horizon 2020 already mandates open access to all scientific publications

From 2017, research data is open by default, with possibilities to opt out
AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

Grantees have the right to **opt-out**, but need to say **why**
RESEARCH DATA - OPEN BY DEFAULT

Horizon 2020 grantees are required to take measures to ensure open access to the data underlying their scientific publications. They are encouraged to provide open access to any other research data of their choice and to also share datasets beyond publication.
RESEARCH DATA - OPEN BY DEFAULT

Projects must have

DATA MANAGEMENT PLAN (DMP)

Provides information on:

- the data the research will generate
- how to ensure its curation, preservation and sustainability
- what parts of that data will be open (and how)
HOW IT WORKS

Get funding
Write DMP
Gather data during research
Finish research
Publish results
Choose repository and deposit data
Inform OpenAIRE
the EU-funded Open Access portal
RESEARCH DATA - OPEN BY DEFAULT

Data management costs are fully eligible for funding

No repository imposed: deposit data where you want
AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

The approach has been tested during a Horizon 2020 pilot action

2015

of 431 signed projects
65.4%

opted to share data

from 2017

the current Open Research Data Pilot expands to cover all areas of Horizon 2020, with the same rules
AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

Top three reasons for **opt-out**:

- Privacy
- Intellectual property rights
- Might jeopardise project's main objective
Open Access to Research Data in the EU

ORD policies less developed across EU countries than for OA to publications. In spite of general acknowledgement of the importance of ORD

No ORD policies in place nor policy plans in near future:
Cyprus, Latvia, Luxembourg, Malta, Poland.

No ORD policies in place but some plans under development:
Austria, Belgium, Croatia, Czech Republic, Estonia, Hungary, Italy, Portugal, Romania, Slovakia, Sweden.

Open access policies/institutional strategies or initiatives for research data already in place:
Denmark, Finland, France, Germany, Ireland, Lithuania, the Netherlands, Slovenia, the United Kingdom.

Council Conclusions 27 May 2016

WELCOMES OA to scientific publications as the default. Target of 100% OA by 2020

SUPPORTs optimal re-use of data with the underlying principle of "as open as possible as closed as necessary"

WELCOMES the intention of the Commission to make research data produced by Horizon 2020 open by default, whilst recognising the right of opting out

CALLS on the Commission to promote data stewardship, including DMPs – importance of making data findable, accessible, interoperable and re-usable (FAIR)
Ressources

NEW Open innovation, open science, open to the world. A vision for Europe

NPR report

H2020 guidance
http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-dissemination_en.htm

NEW May 2016 Council Conclusions

NEW Uptake of ORD pilot (dataset)
We welcome your input!

Contact us

Mail: RTD-open-access@ec.europa.eu

Web: http://ec.europa.eu/research/openscience/index.cfm

Twitter: @OpenAccessEC