



Open Research Data in the European Policy Context and Horizon 2020

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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

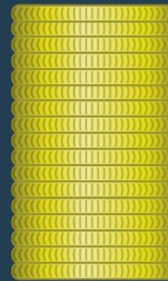
BE PART OF THE NEW ERA OF OPEN SCIENCE

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



European
Commission



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



RESEARCH DATA - OPEN BY DEFAULT

Horizon 2020 grantees are required

take measures to ensure open access to the **data** underlying their scientific publications

provide open access to **any other research data** of their choice

Horizon 2020 grantees are **encouraged** to also share datasets beyond publication



RESEARCH DATA - OPEN BY DEFAULT

Projects must have



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



RESEARCH DATA - OPEN BY DEFAULT

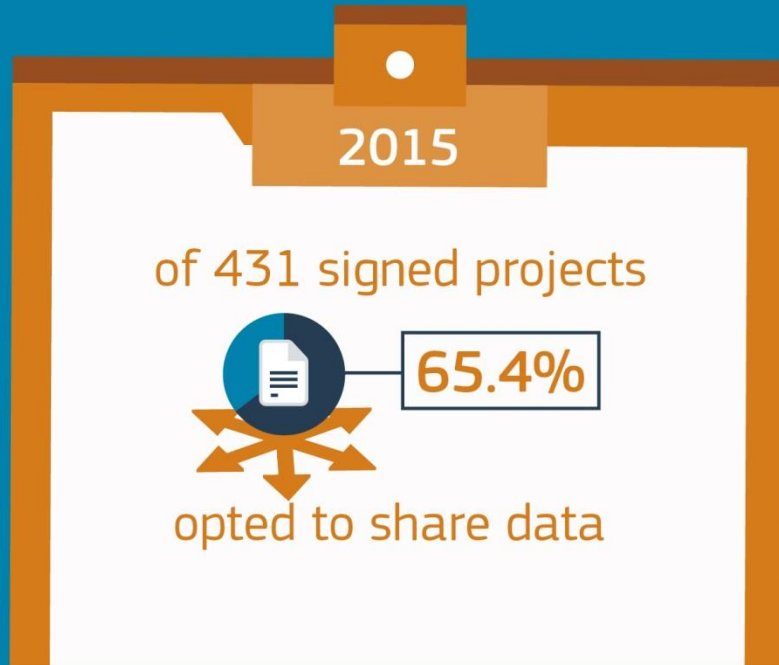
Data management costs are fully eligible for funding

No repository imposed: deposit data where you want



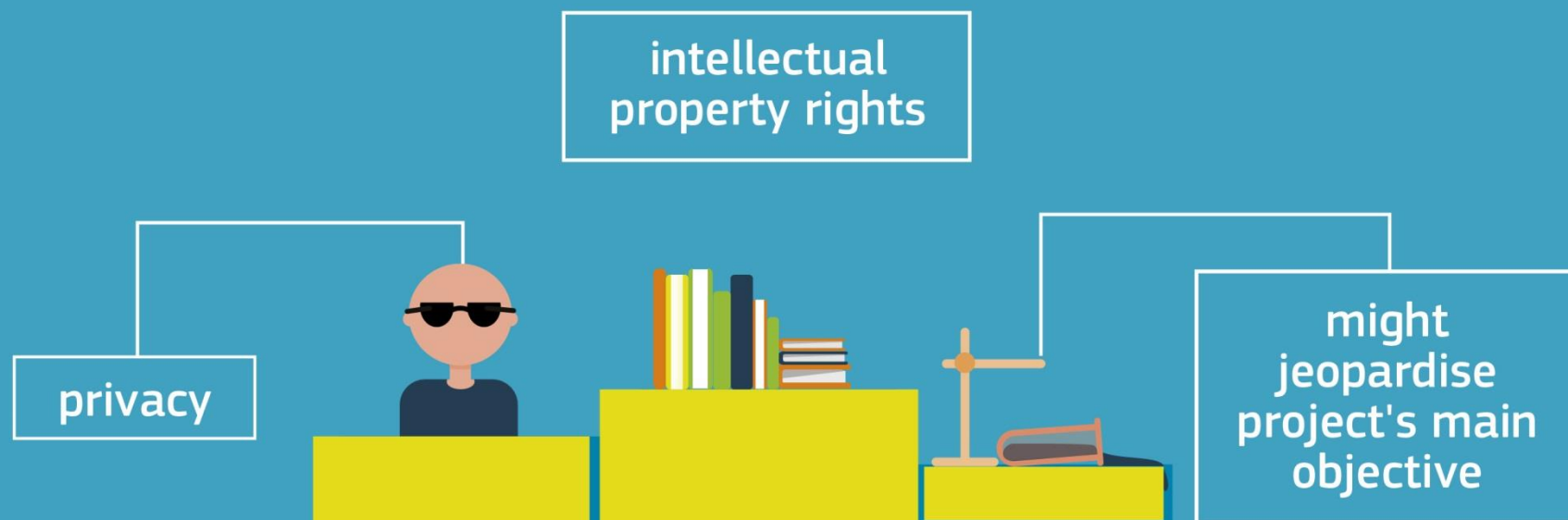
AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

The approach has been tested during a Horizon 2020 pilot action



AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

Top three reasons for opt-out:



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
<http://bookshop.europa.eu/en/open-innovation-open-science-open-to-the-world-pbKI0416263/>

NPR report

https://ec.europa.eu/research/openscience/pdf/openaccess/npr_report.pdf#view=fit&page=ode=none

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

<http://data.consilium.europa.eu/doc/document/ST-9526-2016-INIT/en/pdf>

NEW Uptake of ORD pilot (dataset)

<https://data.europa.eu/euodp/data/dataset/open-research-data-the-uptake-of-the-pilot-in-the-first-calls-of-horizon-2020>

We welcome your input!

Contact us

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