



European
Commission



OPEN RESEARCH DATA IN HORIZON 2020

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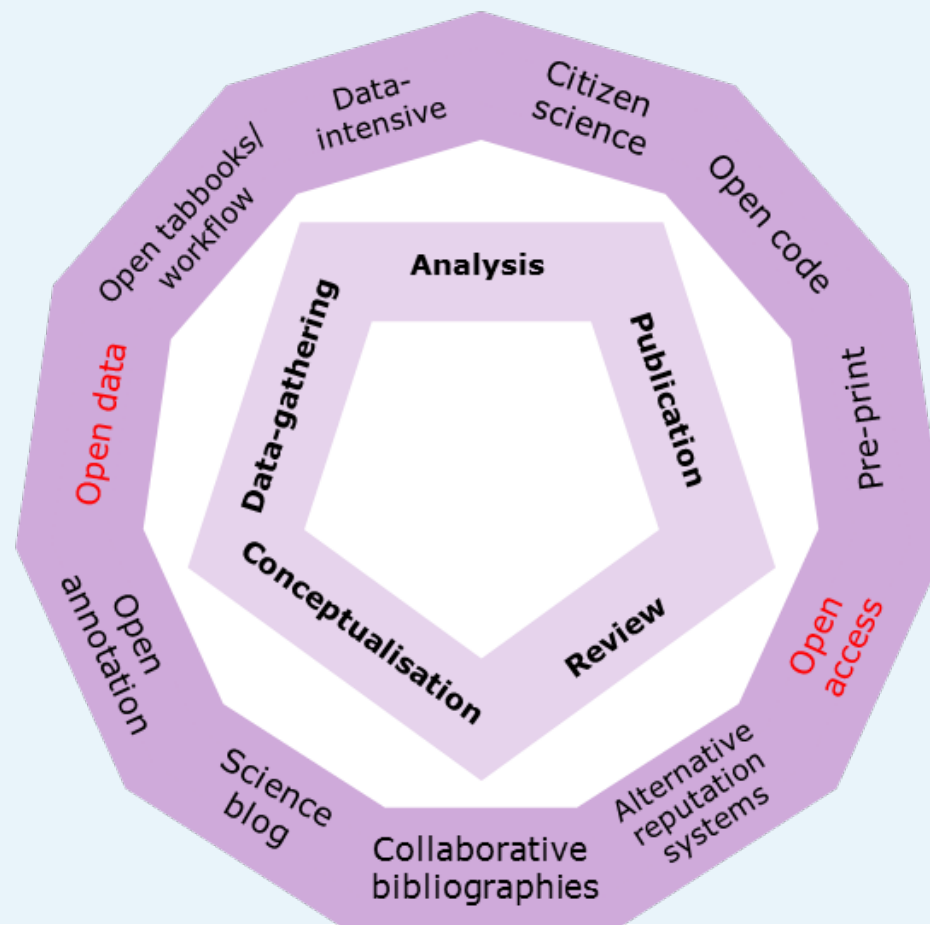
Open Access

- **Online access at no charge to the *user***
 - to peer-reviewed scientific publications
 - to research data

Open Science

- A systemic change in the *modus operandi* of science and research
- Affecting the whole research cycle and its stakeholders

Open Science – opening up the research process



Commissioner view



"As I see it, European success now lies in sharing as soon as possible, (...). The days of open science have arrived."

Speech at "Presidency Conference Open Science", 04 of April, 2016, Amsterdam

Open **Innovation**
Open **Science**
Open to the **World**

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

SOLUTION

Horizon 2020 already mandates open access to all scientific publications



From 2017,
research data is **open by default**,
with possibilities to **opt out**

RESEARCH DATA - OPEN BY DEFAULT



AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

Grantees have the right to **opt-out**, but need to say **why**



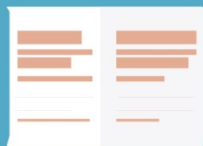
RESEARCH DATA – OPEN BY DEFAULT

Horizon 2020 grantees are required

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



**DATA
MANAGEMENT
PLAN**
(DMP)

Provides information on:



the data the research
will generate



how to ensure its
curation, preservation and
sustainability



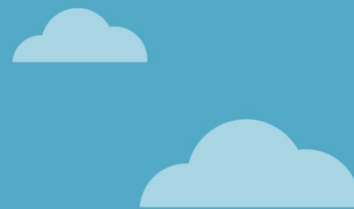
what parts of that data
will be open (and how)

RESEARCH DATA - OPEN BY DEFAULT

Data management costs are fully eligible for funding



No repository imposed:
deposit data where you want



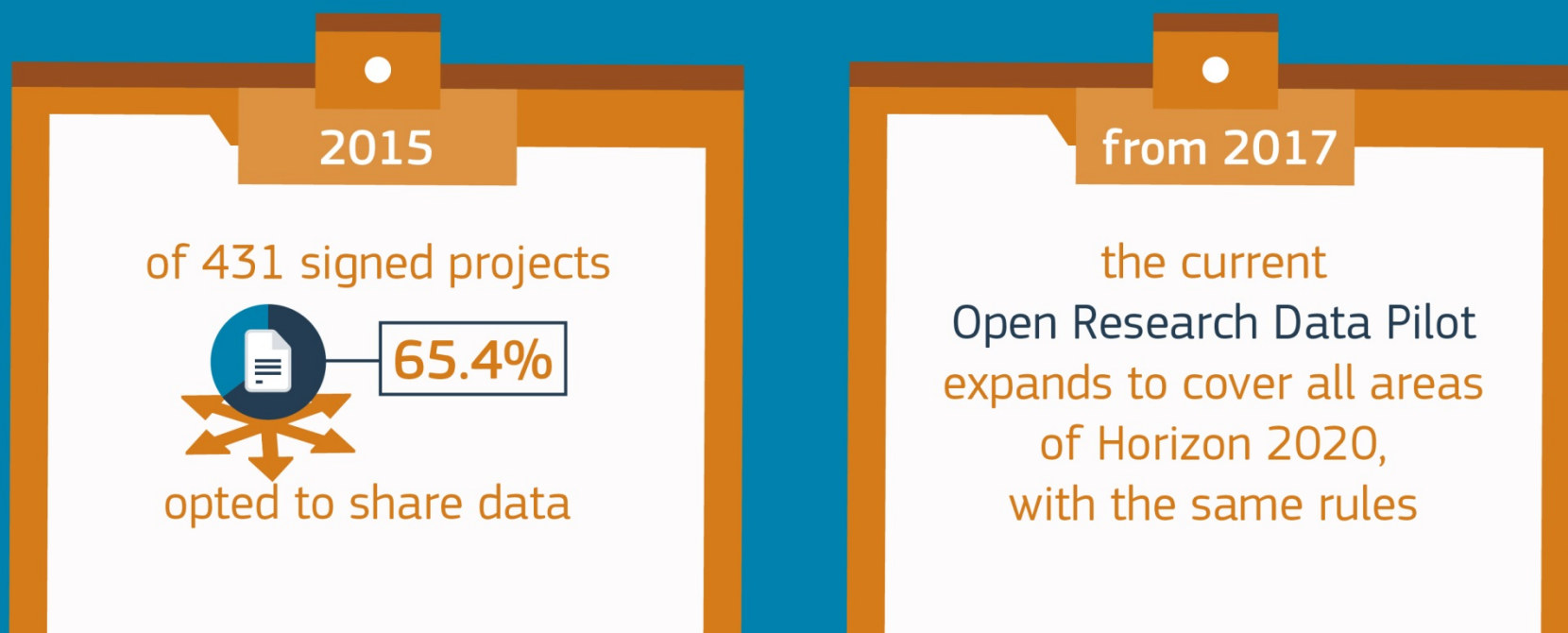
AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

Top three reasons for opt-out:



AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

The approach has been tested during a Horizon 2020 pilot action



HOW IT WORKS



Contact us

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

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

Twitter: [@OpenAccessEC](https://twitter.com/OpenAccessEC)

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=mode=none

H2020 guidance

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

NEW 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>