



Der Open Data Pilot in Horizon 2020: Rechtlicher Rahmen, Erfahrungen und Ausblick

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Open Research Data in Horizon 2020

28. Juni 2016, 10:00 – 16:30

Tech Gate Vienna, Sky Stage

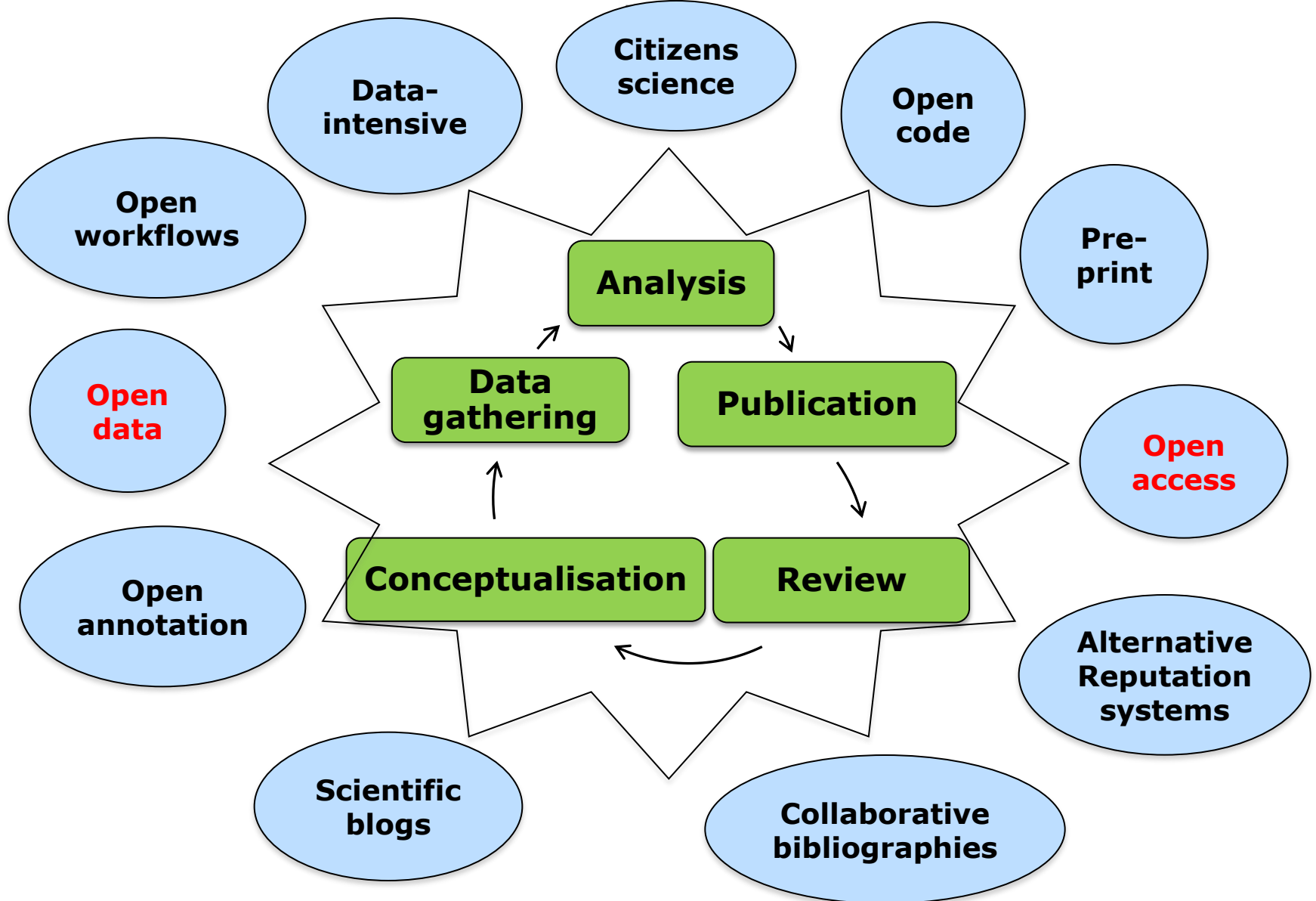
1220 Wien, Donau-City-Straße 1

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



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 Science as part of an Open Approach

Open Innovation
Open Science
Open to the world



The Commission objective

optimise the impact of publicly-funded scientific research

- At European level (FP7 & Horizon 2020)
- At Member State level

One way to get there: open access

Expected benefits:

- Better and more efficient science
- Economic growth
- Broader, faster, more transparent and equal access for the benefit of researchers, industry and citizens

... in the European Research Area and beyond

Open access in Horizon 2020

Regulation establishing Horizon 2020

- "To increase the circulation and exploitation of knowledge, open access to scientific publications should be ensured. Furthermore, open access to research data resulting from publicly funded research under Horizon 2020 should be promoted, taking into account constraints pertaining to privacy, national security and intellectual property rights
- Open access to scientific publications resulting from publicly funded research under Horizon 2020 shall be **ensured** [...].
- Open access to research data resulting from publicly funded research under Horizon 2020 shall be **promoted**. [...]."

ORD pilot: state of play

- A limited pilot, covering selected areas of Horizon 2020 (2014-2016)
- Targeted primarily towards data underlying publications (other data as specified in DMP)
- Opt outs are possible for IPR, confidentiality/privacy and security reason as well as if OA runs against the main objective of the project
- Voluntary opt ins (in areas not covered by the pilot) are possible on an individual project basis.
- a Data Management Plan (DMP) is obligatory for projects participating in the pilot (optional for others)
- Participation or opting out not part of the proposal evaluation process

General approach: as open as possible, as closed as needed



ORD Pilot: take-up in first calls of H2020

Basis: 3699 Horizon 2020 signed grant agreements

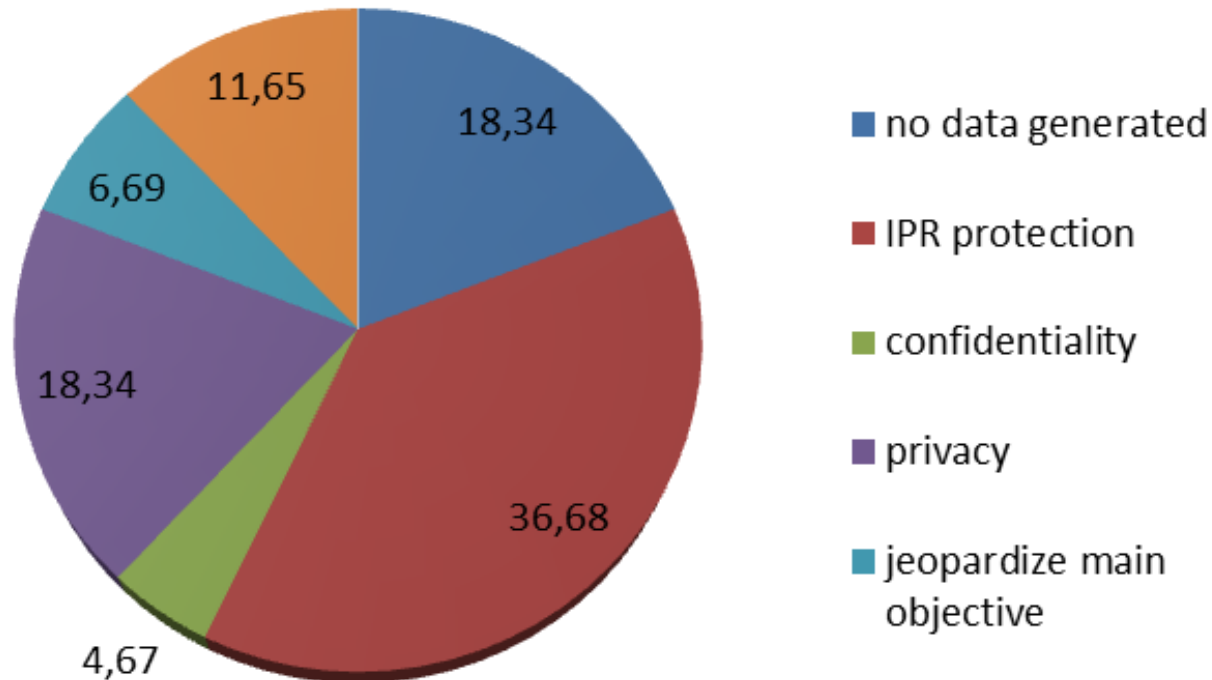
Calls in core-areas: 65,4% stay in

Other areas: voluntary opt in 11,9%

Note: 100% participation is not feasible or even desirable (e.g. not all projects generate data)

ORD Pilot: opt-out reasons among proposals

Graphic 1: Data pilot opt-out reasons





ORD pilot extension: political decision

The Commission will make open research data the default option, while ensuring opt-outs, for all new projects of the Horizon 2020 programme.

As of 2017



Brussels, 19.4.2016
COM(2016) 178 final

**COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN
PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL
COMMITTEE AND THE COMMITTEE OF THE REGIONS**

**European Cloud Initiative - Building a competitive data and knowledge economy in
Europe**

{SWD(2016) 106 final}
{SWD(2016) 107 final}

ORD pilot extension: legal base

1. Horizon 2020 RfP refer to the **MGA** as the appropriate document to regulate open access to research data. Article 29.3. already exists (for the ORD pilot) and will be made the default.
2. The Work Programme 2017 is being updated to reflect this change: introduction, thematic WPs and general annex L

ORD pilot extension: implementation

Extension of limited Open Research Data (ORD) whilst retaining its key characteristics:

- Robust opt outs options for IPR, confidentiality/privacy and security reason as well as if OA runs against the main objective of the project
- Targeted primarily towards data underlying publications (other data as specified in DMP)
- a Data Management Plan (DMP) is obligatory for projects that do not opt-out
- Data management costs fully eligible
- Whether projects opt-out or not does not affect the evaluation

General approach: as open as possible, as closed as needed



Political Support

Council Conclusions 27 May 2016

OA data

the underlying principle for the optimal reuse of research data should be: “as open as possible, as closed as necessary”.

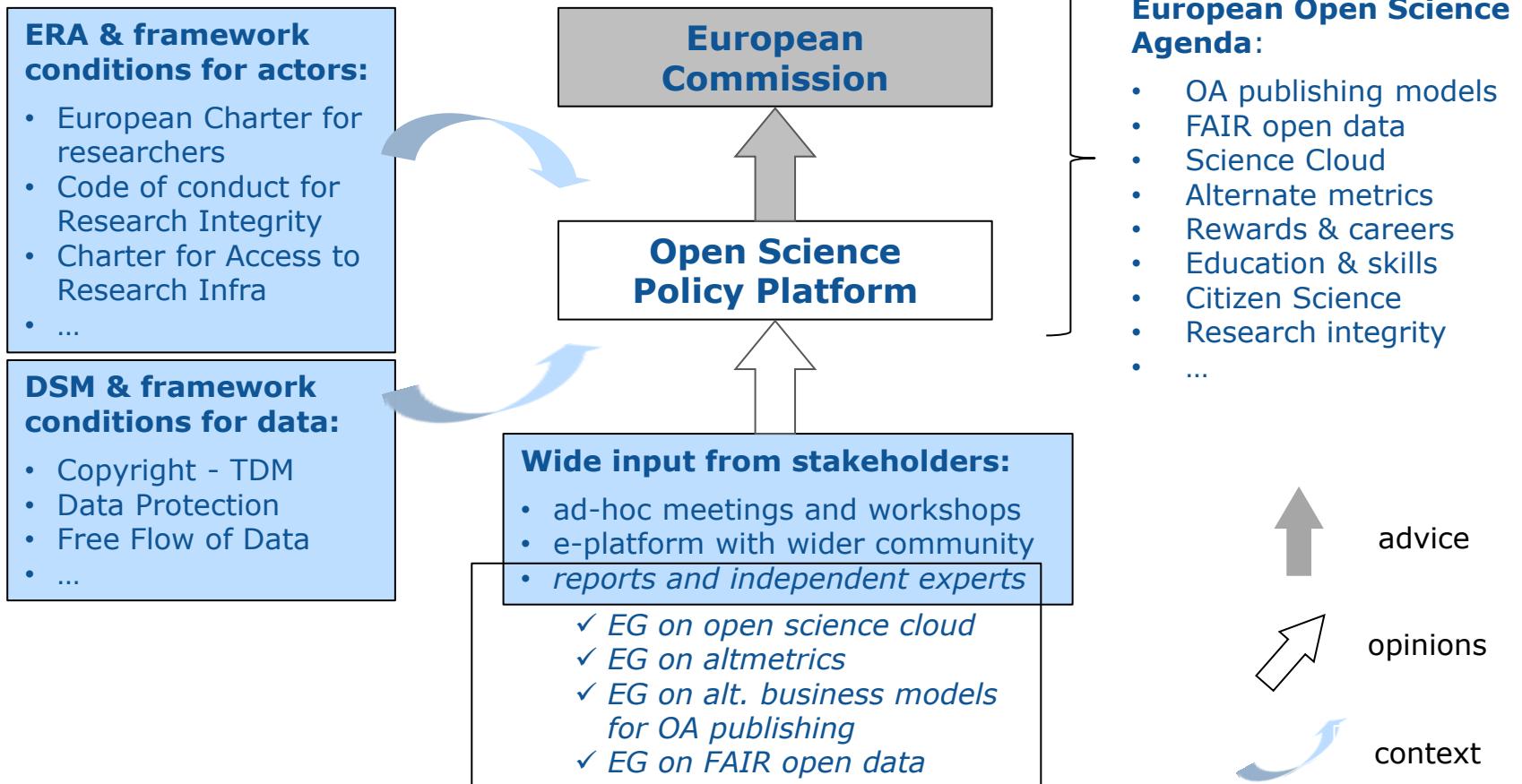
...welcomes ORD extension

...calls on EC to promote data stewardship and to implement DMPs

...encourages action on MS level

...emphasises the importance of FAIR principles: including long term preservation and curation

The way ahead: Open Science Policy Platform





Ongoing coordination and support actions (FP7& Horizon 2020 funded)

PASTEUR4OA (Open Access Policy Alignment Strategies for European Union Research) Started 2014

FOSTER (Foster Open Science Training for European Research) Started 2014

RECODE - (Policy Recommendations for Open Access to Research Data in Europe) – 2013, finishing

OpenAIRE supporting the implementation of Open Access in Europe (publications and data)

Infrastructure projects (with OA components), e.g. GEO/GEOSS, ELIXIR, EUDAT, CLARIN etc...

We welcome your input!

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&pagemode=none

H2020 guidance updated on the portal:

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>