



Open Research Data

3rd EUDAT Conference

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Open Access in the EC

Expanding scope

- OA to peer-reviewed scientific publications
 - H2020 Grant Agreement obligation
- OA to research data / data sharing
 - H2020 pilot
- Open Science / Science 2.0
 - open consultation (closes 30.09.2014)

+ Infrastructure funding: *OpenAIRE, EUDAT, RDA, etc.*

Three key documents on open access (16.07.2012)

Communication '*A reinforced European Research Area partnership for excellence and growth*'

Communication '*Towards better access to scientific information: boosting the benefits of public investments in research*'

Recommendation *on access to and preservation of scientific information*

OA to publications mandate in H2020

Each beneficiary must ensure OA to all peer-reviewed scientific publications relating to its results:

- **Deposit** published version or final peer-reviewed manuscript in a **repository** of the researchers choice
- Ensure OA on publication or at the latest within 6/12 months
- Ensure OA to the bibliographic metadata that identify the deposited publication, via the repository
- **Aim to deposit at the same time the research data needed to validate the results ("underlying data")**

Pilot on Open Research Data in H2020

It is pilot: a way to define future action.

Three key questions the pilot should help in answering:

Which thematic areas should be covered?

What kind of data should be covered?

What about data management?

Pilot on Open Research Data in H2020

Types of data concerned:

- Data needed to validate the results presented in scientific publications ("underlying data")
- Other data as specified in data management plan (=up to projects)-> DMP mandatory for pilot projects

Beneficiaries participating in the Pilot will:

- Deposit this data in a research data repository of their choice
- Take measures to make it possible to access, mine, exploit, reproduce and disseminate free of charge
- Provide information about tools and instruments necessary for validating the results

Pilot on Open Research Data in H2020

Areas of the 2014-2015 Work Programme participating in the Open Research Data Pilot are:

- Future and Emerging Technologies
- **Research infrastructures – part e-Infrastructures**
- Leadership in enabling and industrial technologies – Information and Communication Technologies
- Societal Challenge: Secure, Clean and Efficient Energy – part Smart cities and communities
- Societal Challenge: Climate Action, Environment, Resource Efficiency and Raw materials – except raw materials
- Societal Challenge: Europe in a changing world – inclusive, innovative and reflective Societies
- Science with and for Society

Projects in other areas can participate on a voluntary basis.

Pilot on Open Research Data in H2020

- **20% of Horizon 2020.**
- **Voluntary opt in and conditional opt out possible.**

Pilot on Open Research Data: opting out

Actions may opt out of the Pilot on Open Research Data in Horizon 2020 in a series of cases (submission stage):

- If the project will not generate / collect any data
- In case of conflict with the obligation to protect results
- In case of conflict with confidentiality obligations
- In case of conflict with (national) security obligations
- In case of Conflict with rules on protection of personal data
- If the achievement of the action's main objective would be jeopardised by making specific parts of the research data openly accessible

Proposal ID Acronym Go to

5 - Call specific questions

Open Research Data Pilot in Horizon 2020

If selected, all applicants will participate in the [Pilot on Open Research Data in Horizon 2020](#)¹, which aims to improve access to and re-use of research data generated by actions. Participating in the Pilot does not necessarily mean open data. Actions participating in the Pilot will be invited to formulate a Data Management Plan in which they will determine which of the research data they generate will be made open.

Applicants have the possibility to opt out of this Pilot and must indicate a reason for this choice.

Participation in this Pilot does not constitute part of the evaluation process. Proposals will not be evaluated favourably because they are part of the Pilot and will not be penalised for opting out of the Pilot.

We wish to opt out of the Pilot on Open Research Data in Horizon 2020. Yes

Please indicate the reason(s) for not being able to participate in the Pilot:

- the project does not generate any data

- [to allow the protection of results \(e.g. patenting\)](#)

- [incompatibility with the need for confidentiality linked to security reasons](#)

- [incompatibility with privacy/data protection reasons](#)

- [achievement of the project's main aim would be jeopardised](#)

- other legitimate reasons

Please specify the reason:

Other legitimate reasons (Maximum 300 characters)

Forms on the participant portal

Remaining characters 300

¹ According to article 43.2 of Regulation (EU) No 1290/2013 of the European Parliament and of the Council, of 11 December 2013, laying down the rules for participation and dissemination in Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020) and repealing Regulation (EC) No 1906/2006.

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We wish to participate in the [Pilot on Open Research Data in Horizon 2020](#) on a voluntary basis. Yes No

Participation in this Pilot does not constitute part of the evaluation process. Proposals will not be evaluated favourably because they are part of the Pilot and will not be penalised for not participating.

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Data management activities

The use of a [Data Management Plan \(DMP\)](#) is required for projects participating in the [Open Research Data Pilot in Horizon 2020](#), in the form of a deliverable in the first 6 months of the project.

All other projects may deliver a DMP on a voluntary basis, if relevant for their research.

Are data management activities relevant for your proposed project? Yes No

A Data Management Plan will be delivered (Please note: Projects participating in the Open Research Data Pilot **must** include a Data Management Plan as a deliverable in the first 6 months of the project).

Data Management is part of a Work Package.

Data Management will be integrated in another way.

Please indicate how data management will be addressed in your project:

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Remaining characters 300

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Data management in Horizon 2020

- **Data Management Plans (DMPs) mandatory for all projects participating in the Pilot, optional for others**
 - **DMPs are NOT part of the proposal evaluation**, they need to be generated within the first six months of the project as an obligatory deliverable and updated as needed
 - All proposers to submit general information on data management - evaluated under criterion 'Impact'
- DMP questions:
 - What data will be collected / generated?
 - What standards will be used / how will metadata be generated?
 - What data will be exploited? What data will be shared / made open?
 - How will data be curated and preserved?

ORD Pilot: a chance to co-shape policy

- **Ambitious, yet pragmatic design of the pilot: broad scope, opt-out, voluntary participation possible**
- **Pilot is flexible; several safeguards in place**
- **Uptake of and experiences with the Pilot will be monitored**
- **Need to collect and analyse many and varied experiences**
- **Participating in the Pilot means co-shaping European policy on opening up research data**

ORD Pilot: initial take-up in first calls of H2020 (II)

'early days' for the open access to research data pilot, but initial data on uptake in the proposals for the first calls of Horizon 2020 are encouraging.

The initial number of areas for the pilot seems well chosen, since opt-out rates tend to be below 30% and are in many cases quite similar in percentage range.

Follow up need in the full life cycle of EU funded projects (ex-ante, during and ex-post)

Infrastructure support for EC Open Science policy

- Any infrastructure compliant with the rules can be used
- FP7 e-Infrastructure projects
- Horizon 2020 e-Infrastructure Work Programmes
 - WP2014-15 (specifically mentioned in the WP)
 - WP2016-17

Looking beyond 2015: open questions

- How to support H2020 objectives through infrastructures
 - Societal Challenges
 - Innovation, jobs and growth
- Sustainability of (global) Scientific Data Infrastructure
- Infrastructures for TDM, long term preservation
- Etc.

OA in Horizon 2020: where to look

- Regulation establishing Horizon 2020 (article 18)
- Specific Programme (preamble 1.3)
- Rules for Participation (article 43)
- Work Programme 2014-15 (Introduction 1.5 and relevant areas)
- Model Grant Agreement (articles 6.2.D.3, 29.2 and 29.3)
- Annotated Model Grant Agreement (reference to Guidelines below)
- Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020
- Guidelines on Data Management in Horizon 2020
- Source for all documents: Participant Portal (reference documents)
<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>
- www.openaire.eu (NOADs pages, H2020 toolkit)

