

Пілотна програма відкритих наукових даних Горизонту 2020

Ірина Кучма, менеджерка програми “ Відкритий доступ”

Семінар “Цифрова підтримка наукових досліджень”

9 жовтня 2017 р., м. Київ



Із Зазначенням Авторства 4.0 Міжнародна

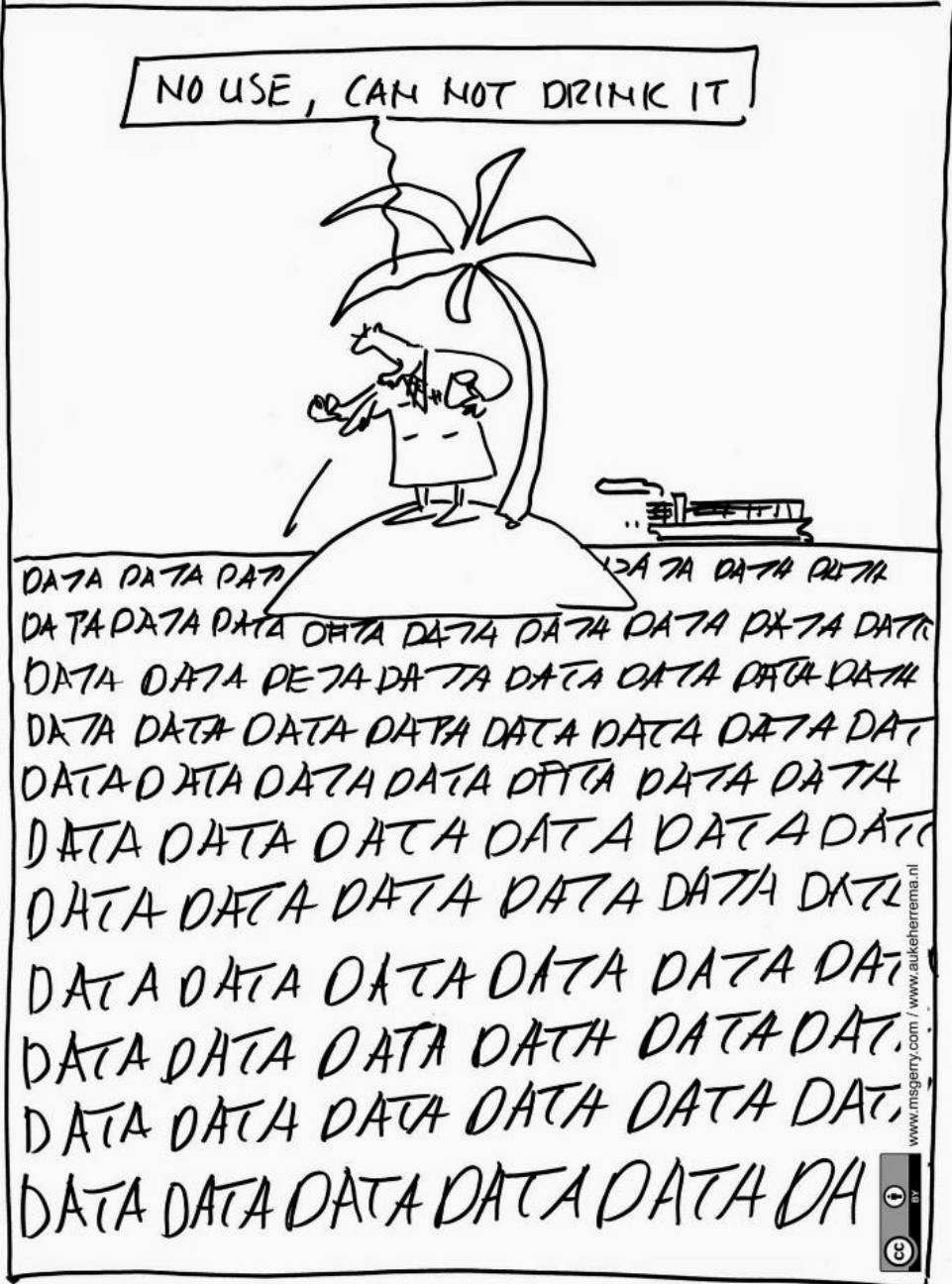


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DATA OCEAN



European
Commission



OPEN RESEARCH DATA

IN HORIZON 2020

Jean-François Dechamp

& Daniel Spichtinger

European Commission

Directorate-General for Research & Innovation

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



RESEARCH DATA – OPEN BY DEFAULT

Horizon 2020 grantees are required

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

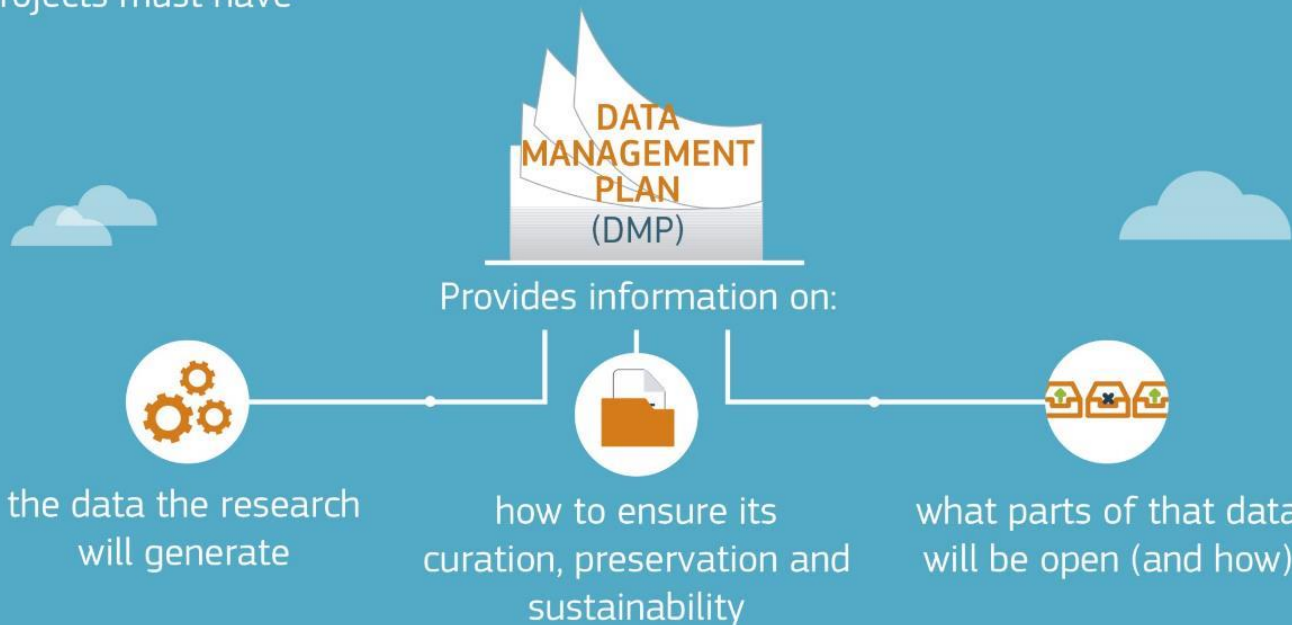
provide open access to **any other research data** of their choice

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



RESEARCH DATA - OPEN BY DEFAULT

Projects must have





MRC

Medical
Research
Council



National Science Foundation
WHERE DISCOVERIES BEGIN



GenomeCanada



National Institutes of Health
Turning Discovery Into Health



BILL & MELINDA
GATES foundation





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Technical plan

Naming convention: [PI Surname] TechP

Before reading this section, please see the **Case for Support Guidance** regarding a Technical Summary.

A Technical Plan should be no more than four pages long and provided for all applications where digital outputs or digital technologies are an essential part to the planned research outcomes. A digital output or digital technology is defined as an activity which involves the creation, gathering, collecting and/or processing of digital information. For present purposes digital technologies do not include conventional software such as word processing packages and ICT activities such as email.

Please read this guidance carefully and consider its definitions within the context of your own research proposal.

The purpose of the Technical Plan is to demonstrate to the AHRC that technical provisions within a research proposal have been adequately addressed in terms of:

- (a) Delivering the planned digital output or the digital technology from a practical and

Naming convention: [PI Surname] TechP

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Please read this guidance carefully and consider its definitions within the context of your own research proposal.

The purpose of the Technical Plan is to

RESEARCH DATA - OPEN BY DEFAULT

Data management costs are fully eligible for funding



No repository imposed:
deposit data where you want



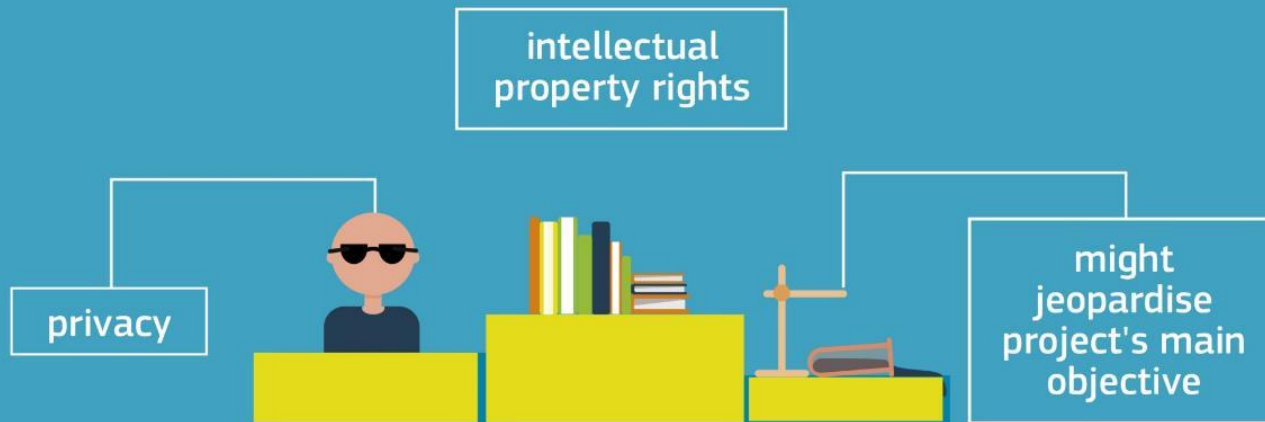
AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

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



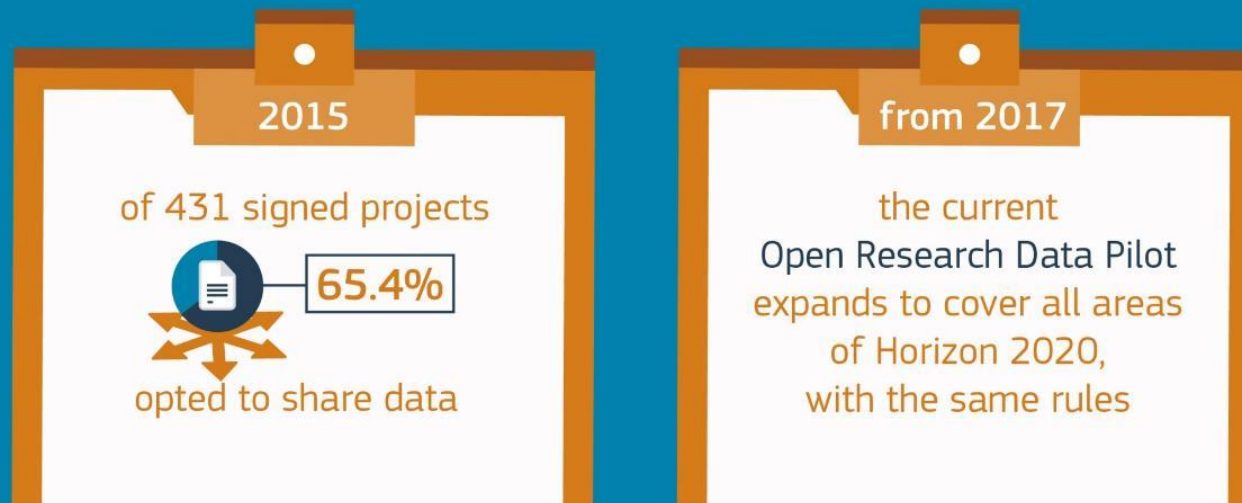
AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

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

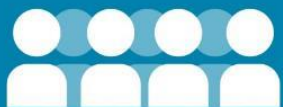


AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

The approach has been tested during a Horizon 2020 pilot action



BE PART OF THE NEW ERA OF OPEN SCIENCE



reach more
people,
have greater
impact



avoid
duplication
of efforts



preserve data
for future
researchers



simplify final
Horizon 2020
reporting
thanks to an
up-to-date DMP

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



H2020 Programme

Guidelines on

FAIR Data Management in Horizon 2020

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-data-mgt_en.pdf



 Search in 22,181,722 publications 571,218 datasets from 2,705 repositories and OA journals

G7 Science Ministers endorse Open Science



G7 ministers endorse FAIR data practice and Open Science metrics, encouraging aligned efforts to support the advancement of the global scientific community.



[READ MORE](#)

RESEARCHERS

Why Open Access. How to comply. What services to use.

DATA PROVIDERS

How to make your content more visible. What to do to increase quality. How to join.



Open access to research data: the Open Research Data Pilot

Updated on 03 April 2017



A NOVELTY IN HORIZON 2020 IS THE OPEN RESEARCH DATA PILOT WHICH AIMS TO IMPROVE AND MAXIMISE ACCESS TO AND RE-USE OF RESEARCH DATA GENERATED BY PROJECTS. IT WILL BE MONITORED WITH A VIEW TO DEVELOPING THE EUROPEAN COMMISSION POLICY ON OPEN RESEARCH DATA IN FUTURE FRAMEWORK PROGRAMMES.

ARE YOU SUPPOSED TO DEPOSIT? > WHAT TO DEPOSIT > WHERE TO DEPOSIT > WHEN TO DEPOSIT

ARE YOU SUPPOSED TO DEPOSIT?

Projects participating in the core areas of Horizon 2020 that are part of the Open Research Data Pilot:

- Future and Emerging Technologies
- Research infrastructures (including e-Infrastructures)
- Leadership in enabling and industrial technologies – Information and Communication Technologies
- Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, and Biotechnology: 'nanosafety' and 'modelling' topics
- Societal Challenge: Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy - selected topics in the calls

OpenAIRE Fact Sheet about Zenodo (NEW)



OpenAIRE Fact Sheet for Funders (NEW)



OpenAIRE Fact Sheet for Research Administrators



Open Access

BACKGROUND

- Overview
- Policies and Mandates
- Open Access in FP7
- Open Access in H2020
- OA for publications
- OA for data

IN PRACTICE

- EU Member States

PROJECTS

- OpenAIRE-Connect

PILOTS

- FP7 Post-Grant OA Pilot
- Open Research Data Pilot

EC about Open Access

EC general information about



https://www.openaire.eu/what-is-the-open-research-data-pilot

What is the Open Research Data Pilot?

Updated on 15 November 2016



WHAT IS THE OPEN RESEARCH DATA PILOT?

Open data is data that is free to access, reuse, repurpose, and redistribute. The Open Research Data Pilot aims to make the research data generated by selected Horizon 2020 projects accessible with as few restrictions as possible, while at the same time protecting sensitive data from inappropriate access.

If your Horizon 2020 project is part of the pilot, and your data meets certain conditions, you must deposit your data in a research data repository where they will be findable and accessible for others. Don't panic - you are not expected to share sensitive data or breach any IPR agreements with industrial partners. You do not need to deposit all the data you generate during the project either – only that which underpins published research findings and/or has longer-term value. In addition to supporting your research's integrity, openness has many other benefits. Improved visibility means your research will reach more people and have a greater impact – for science, society and your own career. Recent studies have shown that citations increase when data is made available alongside the publication; these papers also have a longer shelf-life.

WHICH H2020 STRANDS ARE REQUIRED TO PARTICIPATE?

Projects starting from January 2017 are by default part of the Open Data Pilot. If your project started before earlier and stems from one of these Horizon 2020 areas, you are automatically part of the pilot as well::

- Future and Emerging Technologies
- Research infrastructures (including e-Infrastructures)
- Leadership in enabling and industrial technologies – Information and Communication Technologies
- Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, and Biotechnology: 'nanosafety' and 'modelling' topics
- Societal Challenge: Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy - selected topics in the calls H2020-SFS-2016/2017, H2020-BG-2016/2017, H2020-RUR-2016/2017 and H2020-BB-2016/2017, as specified in the work programme
- 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

Open Access

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PILOTS

- FP7 Post-Grant OA Pilot
- Open Research Data Pilot** v
- Create a Data Management Plan
- Select a Data Repository





How to create a DMP Plan

Updated on 15 November 2016



DATA MANAGEMENT PLANS

Projects participating in the Horizon 2020 Open Research Data Pilot will be required to develop several versions of a Data Management Plan (DMP), in which they will specify what data will be kept for the longer term. Other projects are invited to submit a Data Management Plan if it is relevant for their planned research.

FIRST STEPS

It is recommended to refer the Principal Researcher to the Digital Curation Centre [DMPonline tool](#), which offers DMP templates that match the demands and suggestions of the Guidelines on Data Management in Horizon 2020.

1. Sign up to [DMPonline](#)
2. Select *Create plan*
3. Select *European Commission (Horizon 2020)* from the list of research funders:

Create a new plan

Please select from the following drop-downs so we can determine what questions and guidance should be displayed in your plan.
If you aren't responding to specific requirements from a funder or an institution, [select here to write a generic DMP](#) based on the most common themes.

If applying for funding, select your research funder:
Otherwise leave blank.

Funder

- Arts & Humanities Research Council
- Biotechnology and Biological Sciences Research Council
- Cancer Research UK
- Economic and Social Research Council
- Engineering and Physical Sciences Research Council
- European Commission (Horizon 2020)
- Medical Research Council
- National Institutes of Health (NIH)

Contact us | Terms of use | DMPonline previous version
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Open Access

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Open Access in H2020



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[Open Research Data Pilot](#)



[Create a Data Management Plan](#)

Select a Data Repository





https://www.openaire.eu/opendatapilot-repository

How to select a repository?

Updated on 15 November 2016



INFORMATION ABOUT SELECTING A DATA REPOSITORY

OVERVIEW

In deciding where to store your data, you may have a number of choices about who will look after it. The choice may be straightforward if you have an established data management facility in your domain or institution, or even within your research group or department. When data preservation standards or norms exist in your discipline, these should be followed. Your research funder may recommend a data centre or self-deposit archive. In order of preference:

1. Use an external data archive or repository already established for your research domain to preserve the data according to recognised standards in your discipline.
2. If available, use an institutional research data repository, or your research group's established data management facilities.
3. Use a cost-free data repository such as [Zenodo](#).
4. Search for other data repositories here: [re3data.org](#). On top of specific research disciplines you can filter on access categories, data usage licenses, trustworthy data repositories (with a certificate or explicitly adhering to archival standards) and whether a repository gives the data a persistent identifier.



Open Access

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https://www.openaire.eu/openaire-h2020-factsheets

OpenAIRE H2020 Fact Sheets

Updated on 17 July 2017



OpenAIRE has recently published the following H2020 Fact Sheets:

-NEW- [OpenAIRE Fact Sheet about Zenodo \(July 2017\)](#)

-NEW- [OpenAIRE Fact Sheet for Funders \(June 2017\)](#)

[OpenAIRE Fact Sheet for Research Administrators \(Updated May 2017\)](#)

[OpenAIRE Personal Data and the Open Research Data Pilot Fact Sheet \(Updated April 2017\)](#)

[OpenAIRE Fact Sheet for Researchers \(Updated Feb. 2017\)](#)

[OpenAIRE Open Research Data Pilot Fact Sheet \(Updated Feb. 2017\)](#)

[OpenAIRE Fact Sheet for Repository Managers](#)

[OpenAIRE Fact Sheet for FP7 post grant Open Access Pilot](#)

[OpenAIRE Fact Sheet about Zenodo \(NEW\)](#)



[OpenAIRE Fact Sheet for Funders \(NEW\)](#)



[OpenAIRE Fact Sheet for Research Administrators](#)



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SEE ALSO:



Open Research Data in Horizon 2020

Updated on 13 July 2017



This webinar is part of the OpenAIRE Spring Webinars 2017. It dealt with Research Data Management requirements in Horizon 2020, Data Management planning and how OpenAIRE can help.

CONTINUE READING

CONTINUE READING

OpenAIRE guidelines for data and literature repositories

Updated on 09 March 2017



OPENAIRE GUIDELINES FOR DATA AND LITERATURE REPOSITORIES (GERMAN)

The webinar was organized by Jessica Rex (National Open Access Desk Germany) and held by Jochen Schirwagen and Friedrich Summann of Bielefeld University Library and was on the topic of 'OpenAIRE guidelines for literature and data repositories'. Additionally there was some information on guidelines for CRIS managers. This webinar is in German. Date: 28 February 2017

CONTINUE READING

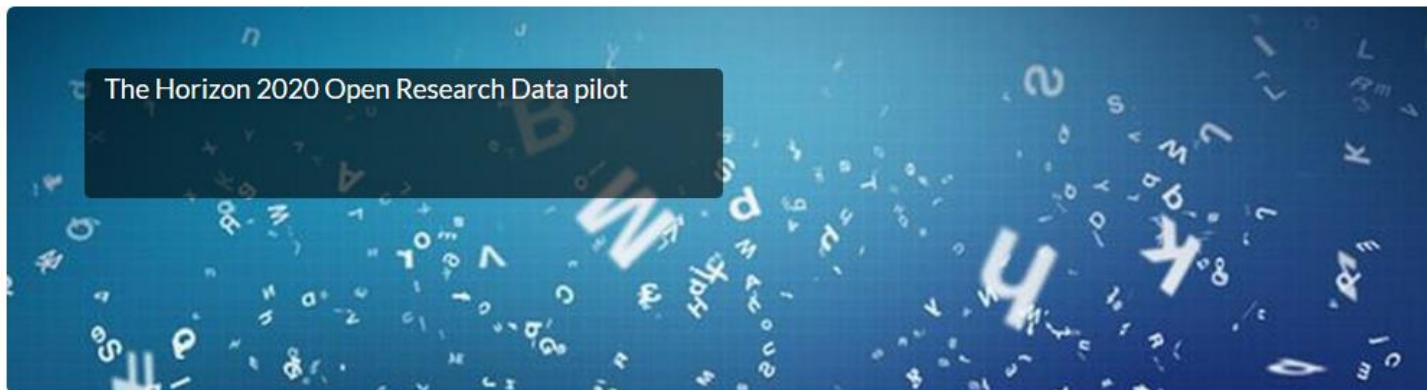
More Articles ...

[FAIR Data in Trustworthy Data Repositories Webinar \(DANS/EUDAT/OpenAIRE Webinar - Dec. 2016\)](#)

[Open Science Training for NCP Network IDEAL-IST \(OpenAIRE/FOSTER webinar - Nov. 2016\)](#)

[OpenAIRE guidelines and broker service for repository managers \(OAWEEK 2016 webinar - Oct. 2016\)](#)

[Open Science: webinar for research managers and policy makers \(OAWEEK 2016 webinar - Oct. 2016\)](#)



A course for researchers, research support staff and project officers.

Learning objectives:

1. Understand what is required of participants in the H2020 Open Research Data pilot
2. Learn about the concepts of open data, metadata, licensing and repositories
3. Identify key resources and services that can help you to comply with requirements
4. Undertake short tests to check your understanding

You are not logged in, in order to take the course you need to [login](#)

[Go to the Course forum](#)

1 [Introduction to the requirements of the Open Research Data pilot](#)

This lesson will help you get a basic understanding of the Open Research Data pilot in Horizon 2020. You will learn about why the European Commission is interested in open science and hear about the specific requirements for participants.

2 [Quiz](#) → Take the quiz!

Full details

Level of knowledge: Introductory: no previous knowledge is required

Topics



Audience

- Project Managers
- Researchers and Students
- Policy makers and Funders
- Librarians and Repository managers
- Research Administration

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Pilotaż otwartych danych badawczych w programie Horyzont 2020

Cele kursu:

1. Poznanie wymagań zawartych w Pilotażu otwartych danych badawczych w programie Horyzont 2020;
2. Przybliżenie pojęć: otwarte dane, metadane, licencjonowanie, repozytoria ;
3. Wskazanie najważniejszych materiałów informacyjnych i serwisów, które pozwolą wypełnić zobowiązania;
4. Przeprowadzenie krótkich testów sprawdzających zrozumienie informacji.

You are not logged in, in order to take the course you need to [login](#)

1

[Wprowadzenie do wymogów pilotażu otwartych danych badawczych w Horyzoncie 2020](#)

Ta lekcja pozwoli Ci uzyskać podstawową wiedzę na temat pilotażu otwartych danych badawczych (Open Research Data – ORD) w programie Horyzont 2020. Dowiesz się, dlaczego Komisja Europejska (KE) jest zainteresowana rozwojem otwartej nauki i usłyszysz o szczególnych wymaganiach dla beneficjentów grantów KE.

2

[Quiz](#)

[Take the quiz](#)

Full details

Level of knowledge: Introductory: no previous knowledge is required

Topics



Audience

[Project Managers](#)[Researchers and Students](#)[Policy makers and Funders](#)[Librarians and Repository managers](#)[Research Administration](#)[PHD Students](#)

Дякую!
Запитання?

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