



OPEN RESEARCH DATA

IN HORIZON 2020

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

encourages research across scientific fields



a public benefit



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



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

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)

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**

Top three reasons for opt-out:

privacy

intellectual property rights

might jeopardise project's main objective

The approach has been tested during a Horizon 2020 pilot action

2015

of 431 signed projects



65.4%

opted to share data

from 2017

the current Open Research Data Pilot expands to cover all areas of Horizon 2020, with the same rules

HOW IT WORKS



BE PART OF THE NEW ERA OF OPEN SCIENCE



reach more people, have greater impact



avoid duplication of efforts



preserve data for future researchers



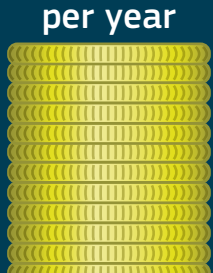
simplify final Horizon 2020 reporting thanks to an up-to-date DMP

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