



Horizon 2020 and Data Management Plans

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H2020 open research data pilot

- EC launched a pilot on open research data under H2020
- Projects asked to consider making data open and plan for this via a Data Management Plan
- Can opt-out if necessary e.g. IPR or ethical reasons
- Notion of FAIR data introduced in 2017

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

Which data does the pilot apply to?

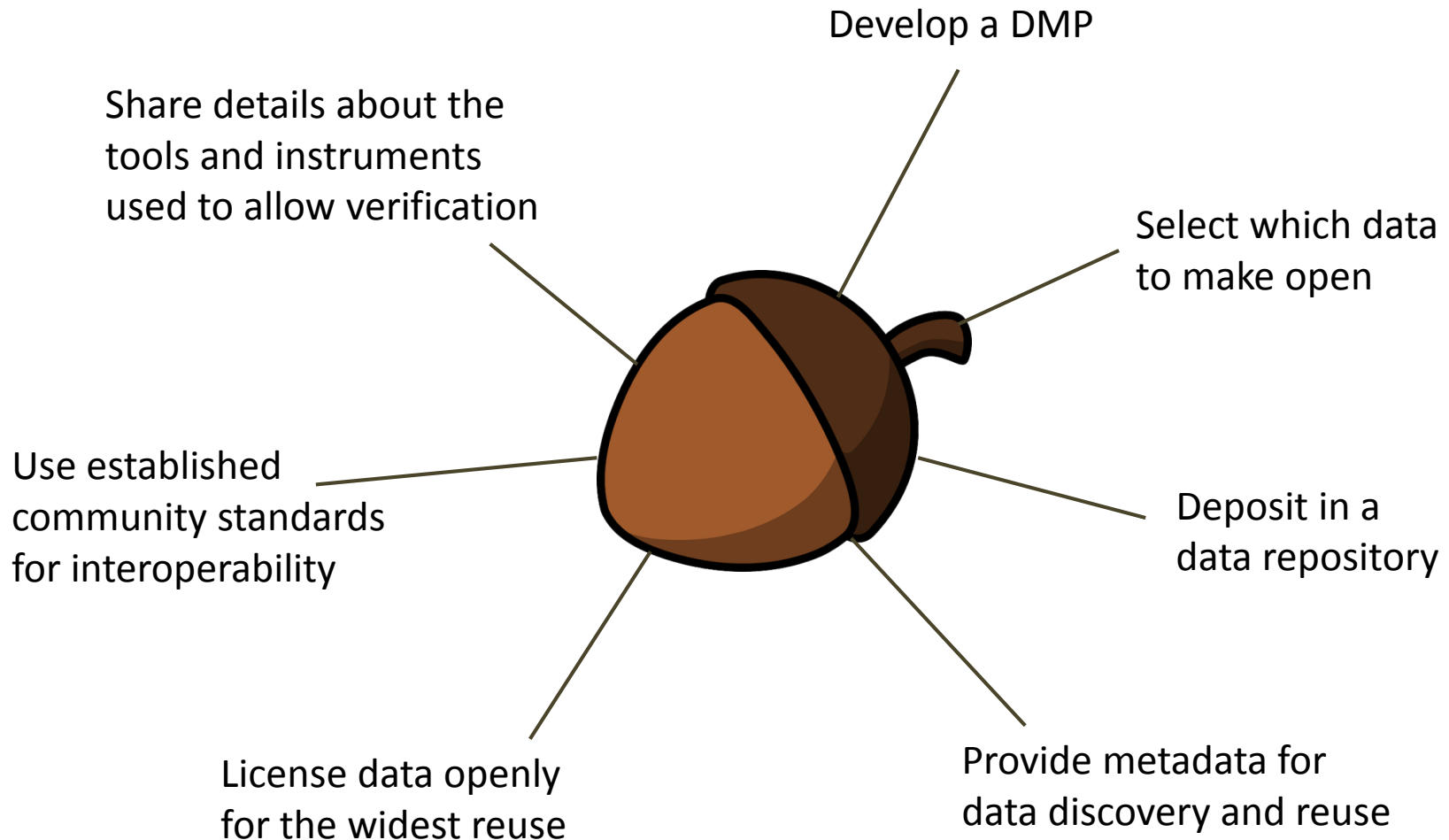
Data, including associated metadata, needed to validate the results in scientific publications

Other curated and/or raw data, including associated metadata, as specified in the DMP

Doesn't apply to all data (researchers to define as appropriate)

Don't have to share data if inappropriate – exemptions apply

Requirements in a nutshell



Data Management Plans

Projects participating in the pilot will be required to develop a Data Management plan (DMP), in which they will specify what data will be open.

Note that the Commission does NOT require applicants to submit a DMP at the proposal stage

A DMP is therefore NOT part of the evaluation

DMPs are a deliverable due by month 6

The DMP should be updated - it is a living or “active” document

H2020 template

1. Data summary
2. FAIR data
 - 2.1 Making data findable, including provisions for metadata
 - 2.2 Making data openly accessible
 - 2.3 Making data interoperable
 - 2.4 Increase data re-use (through clarifying licences)
3. Allocation of resources
4. Data security
5. Ethical aspects
6. Other issues

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

A FAIR approach to DMPs

Findable

- *Assign persistent IDs, provide metadata, register in a searchable resource...*

Accessible

- *Retrievable by their ID using a standard protocol, metadata remain accessible even if data aren't...*

Interoperable

- *Use formal, broadly applicable languages, use standard vocabularies, qualified references...*

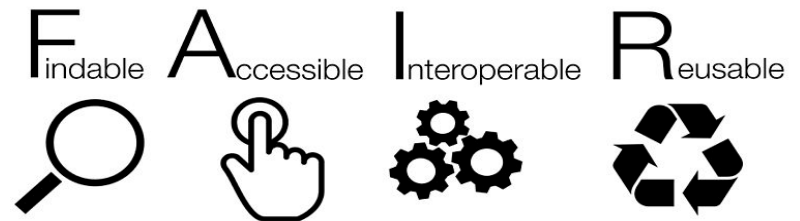
Reusable

- *Rich metadata, clear licences, provenance, use of community standards...*

www.force11.org/group/fairgroup/fairprinciples

FAIR vs Open

- FAIR data does not have to be open
- Making data FAIR ensures they can be found, understood and reused – by you as well as others
- Data can be shared under restrictions & still be FAIR
- Open data is a subset of all the data shared





Approach:
as open as possible,
as closed as
necessary

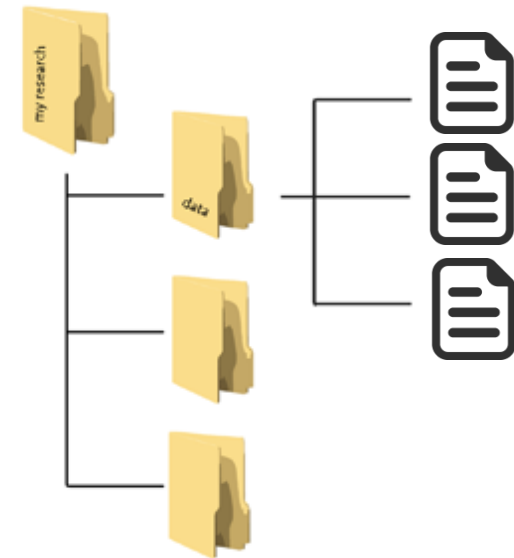
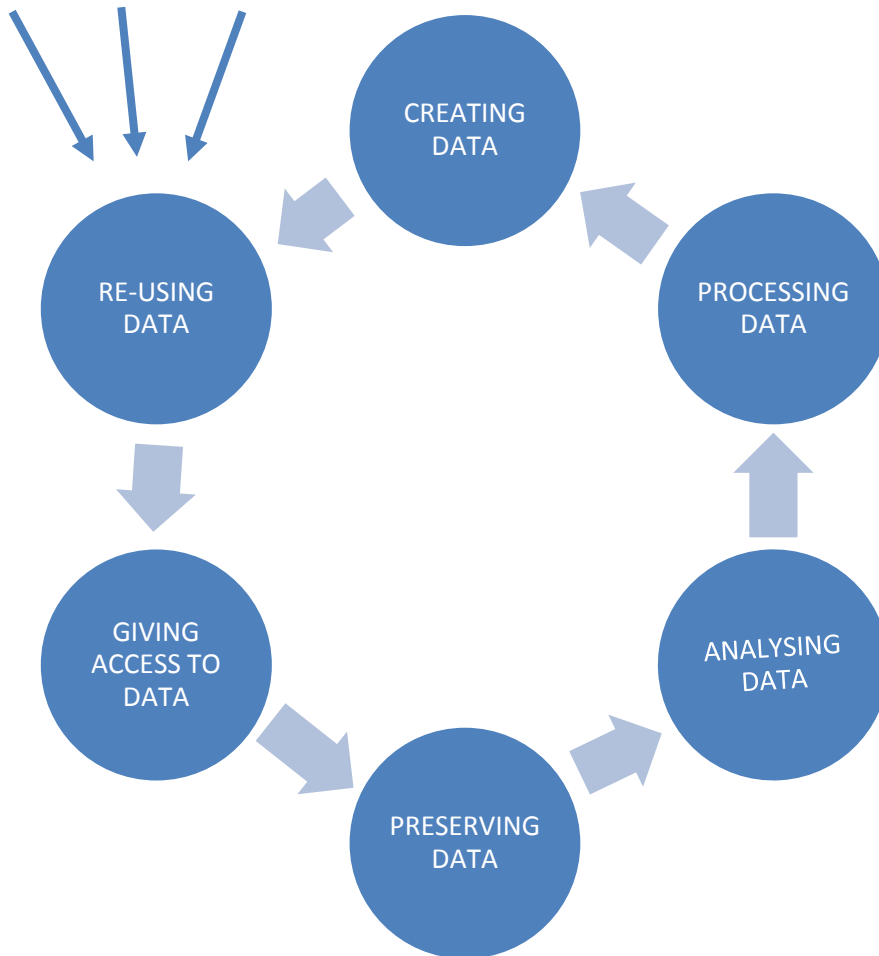
The EC Open Research Data pilot

Key sources of information

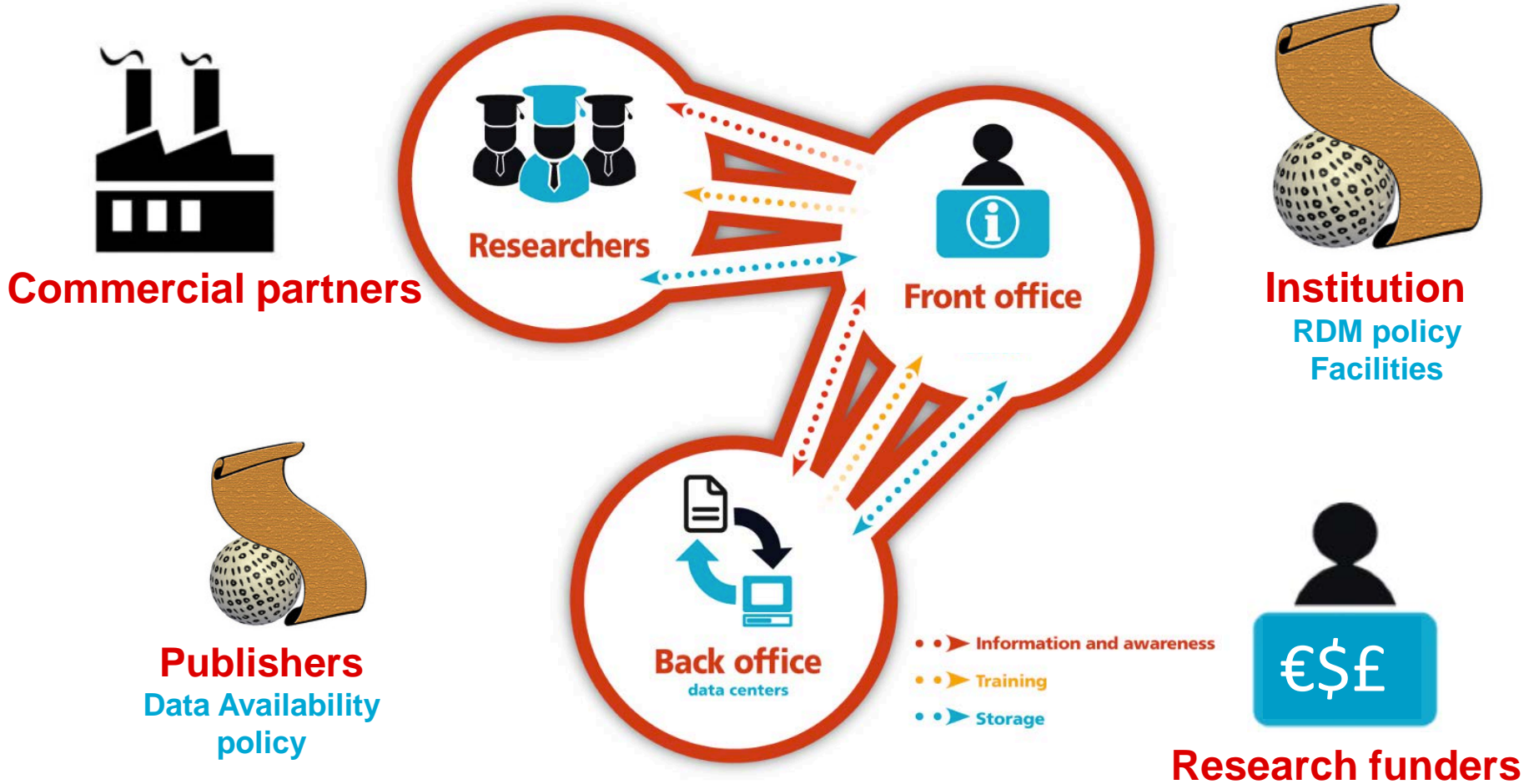
- Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020
http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-pilot-guide_en.pdf
- Guidelines on FAIR Data Management in Horizon 2020
http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-data-mgt_en.pdf
- Annotated model grant agreement, clause 29.3
http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/amga/h2020-amga_en.pdf
- New infographic summarising key policy points
http://ec.europa.eu/research/press/2016/pdf/opendata-infographic_072016.pdf

Planning trick 1: think backwards

What data organisation would a re-user like?



Planning trick 2: include RDM stakeholders



DCC support on DMPs

- Webinars and training materials
- How-to guides and other advisory documents
- Checklist on what to cover in DMPs
- Example DMPs
- DMPonline

www.dcc.ac.uk/resources/data-management-plans



Local / national support

- Bern RDM support - researchdata@ub.unibe.ch
- National DLCM project - <https://www.dlcm.ch/resources/dlcm-dmp>
- OpenAIRE - <https://www.openaire.eu/what-is-the-open-research-data-pilot>
- FOSTER open science training - <https://www.fosteropenscience.eu>

Thanks for listening

DCC resources on DMPs

www.dcc.ac.uk/resources/data-management-plans

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because good research needs good data