What is the Digital Curation Centre?

A UK-based service to support the Higher Education sector with Research Data Management (RDM)

“Helping to build capacity, capability and skills in data management and curation across the UK’s higher education research community.”

DCC Phase 3 Business Plan

www.dcc.ac.uk
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

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

- Develop a DMP
- Select which data to make open
- License data openly for the widest reuse
- Use established community standards for interoperability
- Deposit in a data repository
- Provide metadata for data discovery and reuse
- Share details about the tools and instruments used to allow verification
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

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

Image: ‘Balancing rocks’ by Viewminder CC-BY-SA-ND
www.flickr.com/photos/light_seeker/7780857224
The EC Open Research Data pilot

Key sources of information

• Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020

• Guidelines on FAIR Data Management in Horizon 2020

• Annotated model grant agreement, clause 29.3

• New infographic summarising key policy points
Planning trick 1: think backwards

What data organisation would a re-user like?
Planning trick 2: include RDM stakeholders

Commercial partners
Publishers
Data Availability policy
Institution
RDM policy
Facilities
Research funders

www.openaire.eu/briefpaper-rdm-infonoads
Planning trick 3: ground the DMP in reality

Base plans on available skills, support and good practice for the field – show it’s feasible to implement

Different services will be applicable depending on the stage of the research and nature and scale of your data....
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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