H2020 Guidelines on Open Data and Data Management Plan

Centro Risorse per la Ricerca Multimediale
Why?

“Open scientific research data should be easily discoverable, accessible, assessable, intelligible, useable, and wherever possible interoperable to specific quality standards”

G8 Science Ministers Statement on 12th June 2013
https://www.gov.uk/government/news/g8-science-ministers-statement
Who?

Applicants and beneficiaries of projects included in the pilot action on open access to research data:

// 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.
Applicants in “Research and Innovation actions” and "Innovation actions" must provide a general outline of their policy for data management in the project proposals.

The section on research data management, which is evaluated under the criterion 'Impact', should include the following issues:

- What types of data will the project generate/collect?
- What standards will be used?
- How will this data be exploited and/or shared/made accessible for verification and reuse? If data cannot be made available, explain why.
- How will this data be curated and preserved?

The data management section can be considered as a checklist for the future and as a reference for the resource and budget allocations related to data management.
Beneficiaries must provide a Data Management Plan (DMP).

The DMP of the Project is the document that details what data the project will generate, whether and how it will be exploited or made accessible for verification and re-use, and how it will be curated and preserved.

The DMP must be provided according to the Commission template.

The DMP template covers the following issues:

- Dataset reference, name and description
- Standards and metadata
- Data sharing policies
- Archiving and preservation (including storage and backup) policies
When?

The DMP must cover the data management life cycle for all the datasets that will be collected, processed or generated by the research project.

The DMP evolves and gains more precision and substance during the lifespan of the project and it requires constant monitoring and update.

DMP main milestones:

- within the first 6 months of the project: first version of DMP compliant with the Commission template;
- mid-term: reviewed version;
- end of the project: final version;

Periodical updates are required whenever important changes occur to the project such as the creation of new datasets or changes in consortium policies.
How?

The DMP is a policy statement that must be shared and agreed upon by the consortium. There must be staff and budget allocated for DMP preparation, monitoring, updating and application.

DMP staff shall:

// collect information from partners regarding data creation and management;

// plan meetings to involve the consortium partners in the assignment of roles and responsibilities and in the definition of the procedures according to standards and good practices;

// address IP and copyright issues by referring to legal experts;

// provide guidance regarding application of procedures;
How?

// regularly monitor the adoption of the policy by all partners with respect to the H2020 pilot requirements in terms of open data dissemination and preservation;

// regularly update the DMP according to the Commission requirements;

// provide specific professional expertise and support infrastructures (training, legal advice, data conversion, metadata assistance, unique and persistent identification, data documentation and description, data cleaning, transcription, digitization, data processing and organization, data anonymisation, data storage and preservation).
What can CRR-MM deliver?

The Multimedia Center (CRR-MM) http://www.crrmm.unibo.it/ of the University of Bologna offers professional and technical services to research groups:

- assistance for Data Management Plan;
- research data collections organization and preservation;
- metadata and persistent identification of resources (DOI);
- ontology engineering for linked data and knowledge management;
- software analysis and development;
- development of web applications to guarantee access and valorization of digital collections;
- IP and copyright legal advice;
- hosting and data security in collaboration with the University IT services.
What can CRR-MM deliver?

CRR-MM assistance for Data Management Plan:

// Data management plan coordination
// Legal advice
// File Format conversion
// Data dissemination and preservation

Additional professional and technical services on demand:

// Training
// Data storage
// Data documentation
// Data cleaning
// Digitization
// ...
For further information and assistance

website  http://www.crrmmm.unibo.it/
email  asdd.crrmm@unibo.it
tel.  051 20 4352

Marialaura Vignocchi
Marilena Daquino