

TC-IM 1449 Research data management and the European Open Science Cloud (EOSC) – 3rd workshop

Report

Date: 22.01.2020, 10:00 – 16:00

Venue: Eidgenössisches Institut für Metrologie METAS, Room HB20 (Saturn)
Lindenweg 50, CH-3003 Bern-Wabern

Conveners:

- Federico Grasso Toro (METAS)
- Giacomo Lanza, Sascha Eichstädt, Thomas Wiedenhöfer (PTB)
- Zoltán Zelenka (BEV)
- Dario Pileri, Alessio Gerace (INRIM)
- Clifford Brown, Alistair Forbes (NPL)
- William Webster (LGC)

Reception

Beat Jackelman introduced the hosting institution METAS and its research activities.

Progress

[EMPIR project leaders RDM survey] [LINK](#)

(Clifford Brown)

- The participation to the survey was low but significant. RDM has generally a good image among the survey participants. Yet data re-use is not common practice and the knowledge of the EOSC is very limited.
- Some RDM practices are dominated by legacy, e.g. work documentation by personal paper lab books; data analysis with Excel; metadata addition very seldom, per hand and without any controlled vocabularies; data storage on lab PC during a project and on a remote institutional hard disk.
- The acceptance of DMPs is very low. Data can be available for third parties only on request, or with restrictions.
- The main motivations to do a better RDM would be (1) comfortable tools, clear guidance; (2) citation, acknowledgement and protection against data misuse.
- Confidentiality of data plays often a role.

Dialog with the MSU concerning the Reporting Document 9 and the therein referred Grant Agreement 29.3

(Federico Grasso Toro)

- The purpose is not to make all data open, but rather *potentially openly accessible*.
- A DMP relates only to the data which *will be made openly accessible*.
- A DMP should contain a description of metadata, tools/instruments and other information *which are necessary to validate the results* (to be further defined).

Engagement in the EOSC

(Sascha Eichstädt)

EURAMET's BoD will possibly second our engagement in the EOSC after the final approval of a shared vision for metrology in RDM.

Outcomes of the workshop

New tasks and future work rhythm

Some work packages were redefined or reprioritised (see below).

Work load since 2020:

- Monthly video conferences
- Half-yearly presence meetings
(June = midterm progress check; December = milestone setting for the following year)
- Exchange of documents via e-mail or BSCW server

Incoming tasks and appointments

- **20th February:** Submission of the “Common vision” together with a draft DMP to the MSU, expecting their feedback until the 25th February.
- **End of March:** Submission of the shared vision via the TC-IM M4D WG to EURAMET’s BoD.
- **End of April:** Submission of the shared vision to EURAMET’s GA.
- Based on the vision approved by the GA it is possible to define the list of tutorials (similar loop)
- **End of February:** Next videoconference for prioritisation of tutorials.
- **Beginning of June:** Next presence meeting, possibly at BEV (Vienna)

Update after video conference 23rd March 2020

The **vision document** got a big attention from EURAMET TC and some corrections from EURAMET secretariat. It will be redrafted and submitted again after the BoD (4th-5th May) and GA (25th-28th May).

The collection of **training and motivation materials** of research data management for EMPIR project leaders has started. The selected material will be uploaded onto the project web page before the End of June.

The planned workshop in Vienna will be replaced by a **virtual meeting** at the beginning of June and will be possibly hold in presence in late 2020.

#	Expected output	Important milestones	Target date	Work package coordinator	Necessary resources
WP1	Increase impact of metrology on EOSC	Proposal to BoD for involvement in EOSC Case submission to EOSC Involvement in "training & education" Link at EURAMET and IMRR sites to EOSC	later (after shared vision and TC secondment)	PTB (Eichstädt)	Materials from member NMIs Materials from EURAMET website
WP2	Advice for EURAMET about fulfilling future EU requirements	Q&A to BoD; draft to workshop participants Baseline survey (users + MSU?); draft Final draft	Sep 2019 (BoD meeting) Feb 2020 (TC chairs meeting) ongoing	METAS (Grasso Toro) + PTB (Lanza)	
WP3	Motivation of the users	Survey under EMPIR coordinators Monitoring strategy for data reuse; pilot analysis Training courses for EMPIR projects	Dec 2019 2 nd half 2020 June 2020	NPL	Tools survey (e.g. Zenodo, ORCID)
WP4	Case studies + application design guidelines	"getting started" guide; core tools; guidance for MD	2 nd half 2020	NPL	
WP5	Development of RDM structures	EURAMET guide on RDM; minimum requirements	2021 (committee draft)	PTB (Lanza)	
WP6	Cooperation with stakeholders / scientific	White paper for data repositories discussion with big data stakeholders presence at CIPM's data WG	2021 Jun 2020	PTB (Lanza) NPL PTB	D-SI
WP7	Formulation of a vision for metrology in RDM	ideas collection Formulation and submission Vision as first chapter of white paper	Jan 2020 (3rd workshop) Summer 2020 May 2020	METAS + everybody everybody everybody	"masters of reproducibility and traceability"