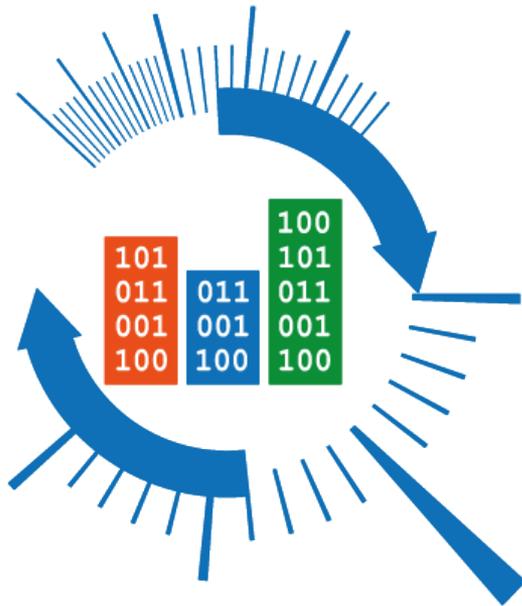# Web Tutorial 2:
# RDM in EPM projects: planning and data publication

TC-IM 1449



Research data management in European metrology

EURAMET

EMPIR 2021 data outputs:

3575 Conference presentations/posters
2363 Other dissemination activities
1317 Peer-reviewed publications
1728 Inputs to standards committees
25 Patent applications
1070 Training activities
10078 Total number of unique outputs

Ambitions:

FAIR
Traceable
Reproducible
EOSC — Metrology

Measures/means:

Guidelines & checklists
Quality metrics & assessments
Training & teaching
Common data policies
Metrology information standards

# Disciaimers

- We are recording the event!
  (for internal use only)

- Feedback welcome!

# Agenda

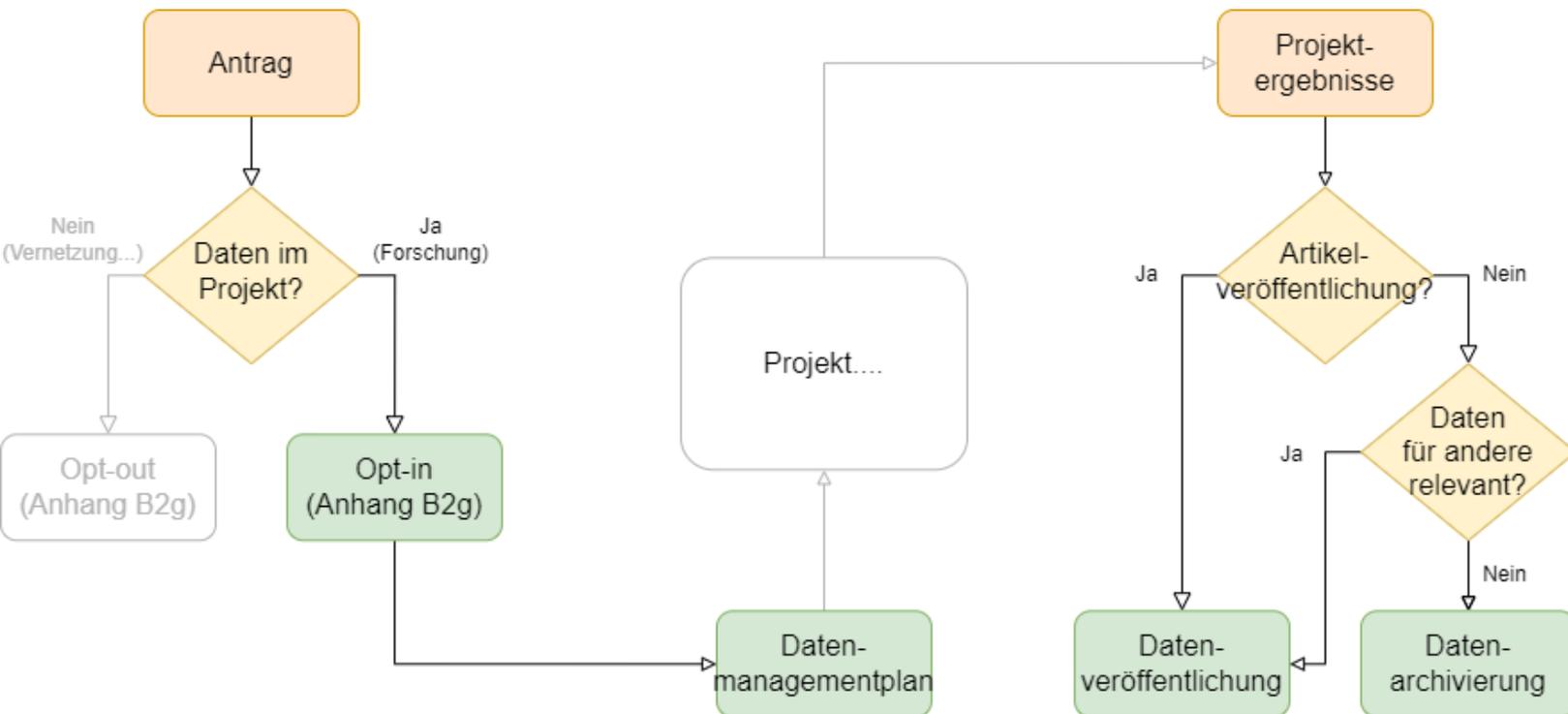| | |
|---|---|
| **2025-06-03** | **"Research data management in EPM projects" Module 1: Motivation, obligations and support** |
| 5 min | Greeting (hint to recording and data protection) |
| 30+10 min | Plenary: Motivation and general information |
| 10+10 min | Breakout session 1: RDM in JRP/CSP proposals |
| 10+10 min | Breakout session 2: RDM in starting/running projects |
| 10+10 min | Plenary: Obligations in EPM projects (EPM guides); Support |
| 10 min | Questions and discussion |
| **2025-06-12** | **"Research data management in EPM projects" Module 2: Planning and data publication** |
| 5 min | Greeting (hint to recording and data protection) Plenary: Obligations in EPM projects |
| 5 min | ~~Breakout session 1:~~ Describing RDM in JRP/CSP proposals |
| 20+10 min | ~~Breakout session 2:~~ Preparing a data management plan + RDMO |
| 20+10 min | Plenary: Data publication + sensitive data + versioning |
| 10 min | Questions and discussion |
| **2025-06-20** | **"Research data management in EPM projects" Module 3: Metadata and good practices** |
| 5 min | Greeting (hint to recording and data protection) |
| 20+10 min | Metadata: how to select them and how to record them |
| 20+10 min | Breakout session: exploration of the SI dig.fr. + API query |
| 20+10 min | Breakout session: Case study about lab notebooks |
| 10 min | Questions and discussion |
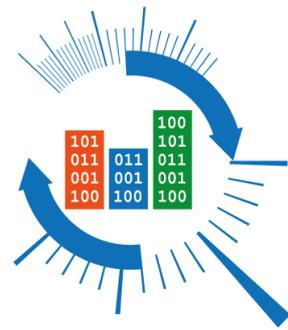
# RDM: obligations in Horizon Europe / EPM

Plenary

- Obligations in RDM

- Texts for JRP/CSP proposals

- Support for NMIs and external partners

# Funder Requirements

- Project proposal (JRP)
  - Open Science
  - Management of data + other outputs



**Section B:** Overview of the research.......................................................

B1 Summary of the project...............................................................
B2 Excellence................................................................................
    B2.a Overview of the objectives.................................................
    B2.b List of deliverables .........................................................
    B2.c Need for the project .......................................................
    B2.d Progress beyond the state of the art ................................
    B2.e Gender dimension .........................................................
    B2.f Open science................................................................
    B2.g Research data management and management of other research outputs .
B3 Potential outcomes and impact from the project....................

- Data management plan
  - FAIR principles; Security; Licenses; Responsibilities; Costs…
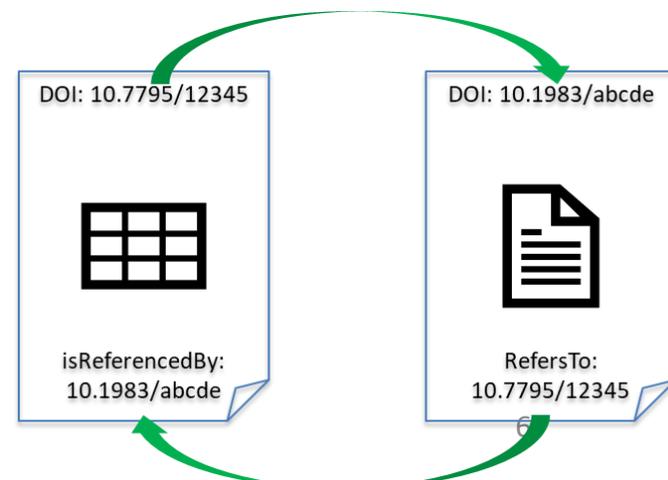
e.g. 21GRD01, 21NRM01 short name

**DATA MANAGEMENT PLAN¶**

- Article & data publication
  - Funder acknowledgement
  - Metadata, identifiers…

DOI: 10.7795/12345

DOI: 10.1983/abcde

isReferencedBy: 10.1983/abcde

RefersTo: 10.7795/12345

# RDM in EPM: further aspects

- Data description, metadata

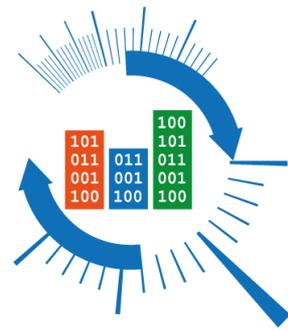| Label.en (human-readable, intelligent | Admitted_values.en |
|---|---|
| identifier | Either an URL of the format (<resolverservice>/<prefix>/<suffix>), |
| title | Plain text |
| creator | An object of the type "PersonOrInstitution", including: |
| publisher | - identifier + identifier scheme + resolver service URI; - given name + family name; - type/role; |
| publication year | integer (YYYY) |

- Work documentation (electronic lab notebooks)

eLabFTW

- Licences, legal aspects

D-SI

- Machine-readability of results

**SI DIGITAL FRAMEWORK**
Digital references for FAIR measurement data

# Describing RDM in JRP/CSP proposals

Breakout session 1

# Funder Requirements



- Project proposal (JRP)
  - Open Science
  - Management of data + other outputs

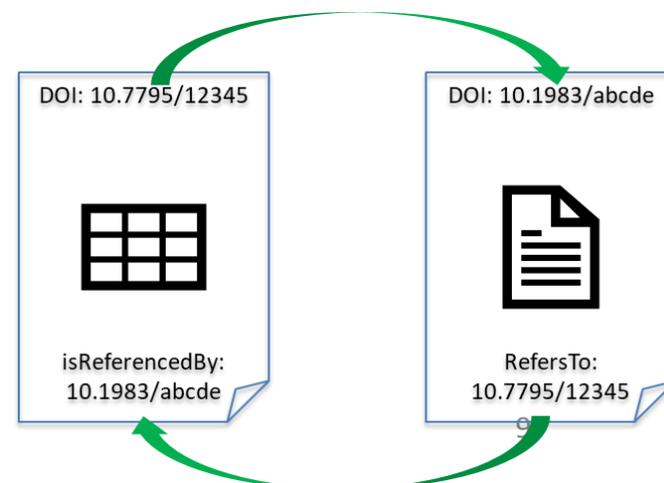Section B: Overview of the research
- B1 Summary of the project
- B2 Excellence
  - B2.a Overview of the objectives
  - B2.b List of deliverables
  - B2.c Need for the project
  - B2.d Progress beyond the state of the art
  - B2.e Gender dimension
  - B2.f Open science
  - B2.g Research data management and management of other research outputs
- B3 Potential outcomes and impact from the project

- Data management plan
  - FAIR principles; Security; Licenses; Responsibilities; Costs…

e.g. 21GRD01, 21NRM01 short name

DATA MANAGEMENT PLAN¶

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RefersTo: 10.7795/12345

# Text in research proposals: support

- Sample texts on the *metrology RDM* webpage
[https://www.metrology-rdm.eu/material#c1179](https://www.metrology-rdm.eu/material#c1179)
  - Explanations + sample projects

Example·1:·Normative·project¤

Example·2:·Health·project¤

Example·3:·Capacity·Building·
Coordination·Project·(CSP)¤

Types·of·data/research·outputs¶

  - Don't forget to give a project-specific touch

- Training (last week)

- Support in person

# Further support

| Subject | Help form | Target group | Validity | Status |
|---|---|---|---|---|
| RDM in EPM projects | • Guide<br>• Checklist<br>• Website<br>• Trainings | Project coordinators, Researchers | EPM | In progress<br>Guide: Q3 2025<br>Trainings: Q2 2025 |
| RDM description in JRP/CSP proposals | • Sample text | Project coordinators | EPM | READY |
| Data management plans | • Sample text<br>• Guide<br>• Tool | Project coordinators | EPM | READY<br>→ MSU guide |
| Metadata for data publication | • Scheme<br>• Guide | Researchers | EPM | Scheme: READY<br>Guide: in progress |
| Machine-readable representation of metrological information | • Case study<br>• Guide | Researchers | universal | Case study: READY<br>Guide: in progress |
| RDM policy for metrology institutes | • Sample policy<br>• Presentation | NMI leads | universal | READY |