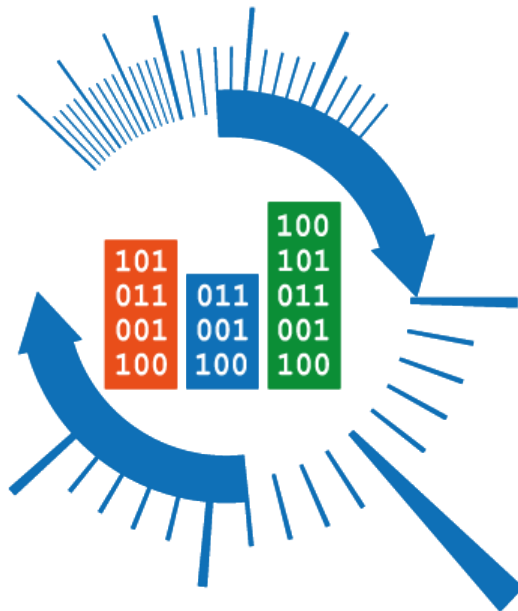


Data management plans with RDMO

Giacomo Lanza

Physikalisch-Technische Bundesanstalt (PTB)



Research data management in European metrology





- Data management plans in EPM
 - Motivation
 - Duties
 - Help
- Usage of a DMP platform (RDMO)

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



- Feedback welcome!



Funder Requirements



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

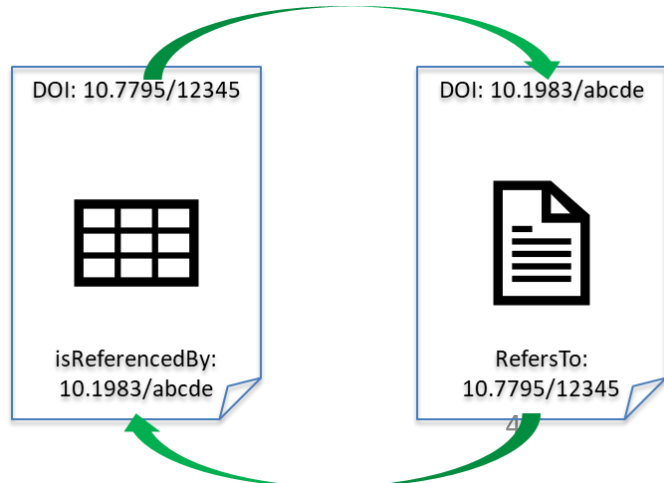
- B1 Summary of the project.....
- B2 Excellence.....
 - B2.a Overview of the objectives.....
 - B2.b List of deliverables.....
 - B2.c Need for the project.....
 - B2.d Progress beyond the state of the art.....
 - B2.e Gender dimension.....
 - B2.f Open science.....
 - B2.g Research data management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

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

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



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

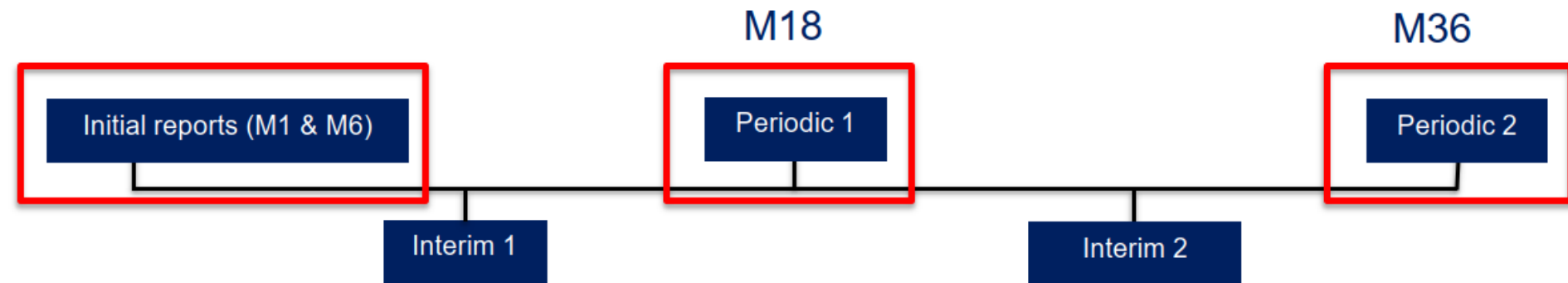




DMPs in EPM – Motivation

- To enable researchers to find, access and re-use each other's data.
- Support research data management in Partnership projects in line with EC requirements.

- First deliver in M6; updates in M18 und M36





- 42 questions from Horizon Europe
- Template + sample texts from EURAMET's MSU
 - PTB-Wiki: [Forschungsdatenmanagement > Aufgaben > Datenmanagementpläne](#)
 - MSU-Portal: [Download > Reporting > Reporting templates](#)
- Personal advice
- DMP platform: **MetRDMO**
 - Hosting: TU Darmstadt
 - Content: TC-IM 1449
 - Coordination: PTB





Advantages of a DMP platform



- Structured record of project- and data-related information
- Support for answering questions
 - Smaller, clear questions
 - Sample answer texts
 - Help texts
- Re-use of information:
 - Textual output → DMP generation and versioning
 - Project documentation; Notation and initiation of tasks (“machine actionable”)
 - Structured research data management
 - Transmission of information from/to repositories, vocabulary servers, ...
- Application-specific question catalogues & export templates
- Large community; material exchange via GitHub



Demonstration of RDMO



<https://dmp.metrology-rdm.eu>

Questionnaire

Kurztitel / Akronym:

Bitte geben Sie einige Schlagwörter zur Forschungsfrage an.
Schlagwörter können aus den von der PTB empfohlenen Klassifikationssystemen ausgewählt werden.
Bitte nutzen Sie für die Schlagwörter jeweils eine eigene Zeile. Sie können weitere Schlagwörter mit dem grünen Knopf hinzufügen und mit dem roten Kreuz (x) entfernen.

Visible light	x
Astronomy	x
Illumination	x
Radiation	x
Optics	x

Snapshots

Kurztitel / Akronym:
BiriBiri

Bitte geben Sie einige Schlagwörter zur Forschungsfrage an.

- Licht
- Astronomie
- Beleuchtung
- Strahlung
- Optik

Welcher Disziplin / welchen Disziplinen ist das Projekt zuzuordnen?

- Ingenieurwissenschaften / Elektrotechnik
- Naturwissenschaften / Optik, Quantenoptik und Physik der Atome, Moleküle und Plasmen
- Naturwissenschaften / Astrophysik und Astronomie

Wann beginnt die Projektlaufzeit?
4. August 2018

Wann endet die Projektlaufzeit?
4. Juli 2020

Projektpartner

Welche Personen sind an dem Projekt beteiligt?

- Franz Liszt
- Otto Braun
- Walter Groplius

Variables

```
research_question.acronym = BiriBiri  
research_question.keywords =  
[Visible light; Astronomy; Illumination; Radiation; Optics]
```

Output

Data management plan

Grant agreement number: BF259SR_B5206TK

Project short name / acronym: BiriBiri

Project full title: Beobachtungen des Interstellaren Raums mittels Ipothormaler Beleuchtung Infolge Röhren-Installationen - Bulbi Incandescenti Radianti per l'Illuminamento del Bulbo Interstellare mediante Radiazione Ipotermica

Version ...

Date: 11/04/2018

Project partners: Physikalisch-Technische Bundesanstalt, TU Braunschweig, Bauhaus Dessau

Principal investigators: Franz Liszt, Otto Braun, Walter Groplius

1. Data Summary

1. What is the purpose of the data collection/generation?
2. What is its relation to the objectives of the project?

→ Export in .docx, .tex, .pdf



How to create a DMP in RDMO



- Register on <https://dmp.metrology-rdm.eu>
- Create a project → questionnaire: “European partnership on metrology”
- Invite your project partners
- Answer the questions
- Back to project overview → export (“view”)



Decision making



- Involve your partners soon! (kick-off meeting)
 - Repository
 - Licenses
 - Responsibilities
 - ...



Any questions?

With contributions by:

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Research data management in European metrology



BENEFITS:

- enables faster open science development
- boosts technical competences
- helps to regulate the research ecosystem
- fosters cross-disciplinary interactions

The TC-IM 1449 project supports the implementation of good research data management practices by the EURAMET community

