



# DMP Common Standards WG

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# Challenge – why do we need this WG?

## › Shortcomings of existing DMPs

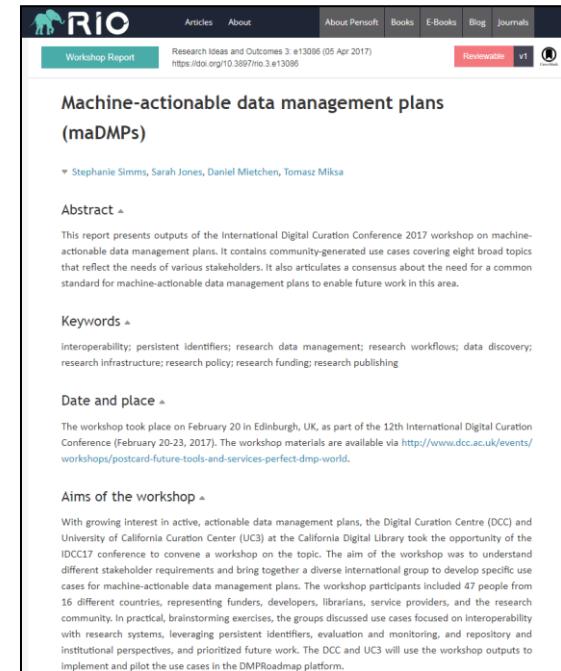
- › manually completed, vague, not updated, ...

## › Machine-actionable DMPs

- › living documents
- › automate data management
  - › collect information from systems
  - › trigger actions in systems
- › facilitate validation

## › This requires

- › well-defined RDM workflows
- › data management infrastructure
- › common data model



The screenshot shows a webpage from the Research Ideas and Outcomes (RIO) platform. The header includes the RIO logo, navigation links for 'Articles', 'About', 'About Person', 'Books', 'E-Books', 'Blog', and 'Journals'. A green banner at the top indicates it's a 'Workshop Report' for 'Research Ideas and Outcomes 3: e13086 (05 Apr 2017)' with the DOI <https://doi.org/10.3897/rio.3.e13086>. The main content area is titled 'Machine-actionable data management plans (maDMPs)'. It features a sub-header 'Abstract', which describes the report as presenting outputs from a workshop on machine-actionable data management plans. It highlights community-generated use cases covering eight broad topics that reflect the needs of various stakeholders. The page also includes sections for 'Keywords', 'Date and place', and 'Aims of the workshop', each with detailed descriptions.

<https://doi.org/10.3897/rio.3.e13086>

- › **Common data model for machine-actionable DMPs**
  - › to model information from standard DMPs
  - › NOT a template
  - › NOT a questionnaire
  - › modular design
    - › core set of elements
    - › domain specific extensions
- › **Reference implementations**
  - › ready to use models
    - › JSON, XML, RDF, etc.
- › **Guidelines for adoption of the common data model**
  - › requirements for supporting systems
  - › pilot studies



# Example

- Current DMPs – model questionnaires

```
<administrative_data>
  <question>Who will be the Principle Investigator?</question>
  <answer>The PI will be John Smith from our university.</answer>
</administrative_data>
```

- Machine-actionable DMPs – model information

```
"dc:creator": [ {
    "foaf:name": "John Smith",
    "@id": "orcid.org/0000-1111-2222-3333",
    "foaf:mbox": "mailto:jsmith@tuwien.ac.at",
    "madmp:institution": "AT-Vienna-University-of-Technology"
} ],
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# Example

- Currently available – not very useful

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Reuse existing  
standards, e.g. Dublin  
Core, PREMIS, etc.

&gt;

able DMP

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Use PIDs whenever possible, e.g. ORCID

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Use controlled vocabularies

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  ],
```

Develop own  
concepts and  
vocabularies only  
when needed

# Join us now!

- › We need inputs from all of you!
  - › researchers, infrastructure operators, funders, developers, managers, PhD students, ...
- › Join our DMP Common Standards WG
  - › <https://www.rd-alliance.org/groups/dmp-common-standards-wg>
- › Mailing list
  - › [dmp-common@rda-groups.org](mailto:dmp-common@rda-groups.org)
- › GitHub - issue tracker for discussion
  - › <https://github.com/RDA-DMP-Common/IdeasOpenDiscussion>
- › Monthly calls
  - › 2 time slots – ‘friendly for each time zone’
- › RDA Europe Workshop in Vienna
  - › <http://www.ifs.tuwien.ac.at/dp/rda17-workshop-vienna/>