



DMP Common Standards WG - Call January 2019

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Agenda

- › Short summary of actions till now
- › Model – current state
- › Next steps
- › AOB

Summary of actions till now

➤ Actions

- 2 consultations


- proof of concept tools and processes

➤ Clarified ‘machine-actionability’

➤ Defined landscape

- provided examples

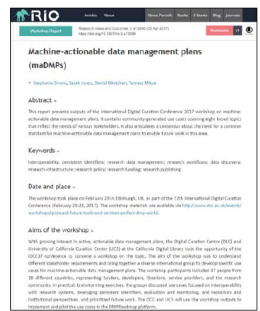
➤ Narrowed down focus



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



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

21/03/2018
www.rd-alliance.org - @resdatall

Model assumptions – relaxed constraints

- Model must be applicable in different settings
 - relaxed constraints within the model
 - e.g. DMP **can** relate to a project [0..*]
 - constraints introduced at the ‘business level’
 - tool implementing the model
 - e.g. DMP **must** relate to a project [1..*]
 - DMP instances are still compatible

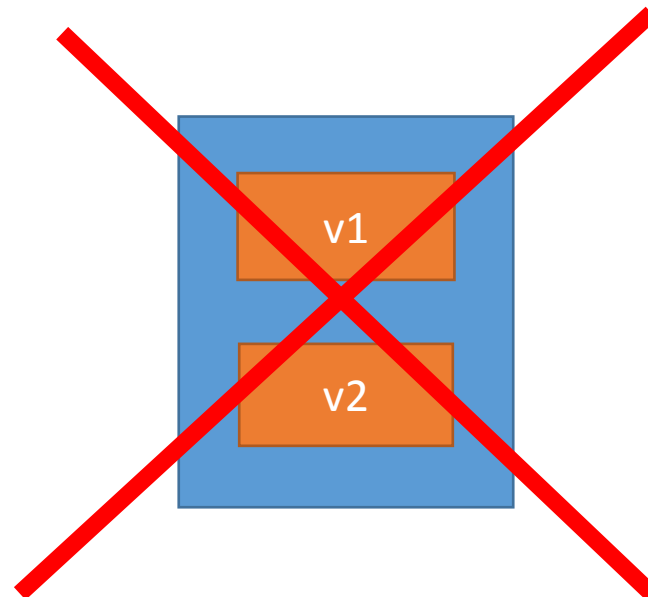
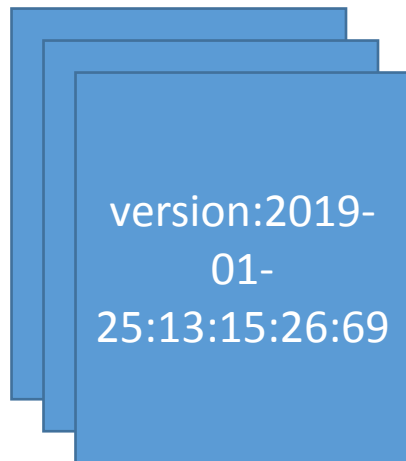


Model assumptions - interoperability

- Model will be pre-dominantly used to exchange information between systems
 - internal representation of information in a DMP tool may differ (physical model)
 - e.g. database may have a different schema
- Current representation is a conceptual/logical model

Model assumptions - versioning

- DMP versioning done by systems using the model
 - model provides fields allowing to identify DMP version
 - model does not track connections between versions



Model assumptions – evolving information

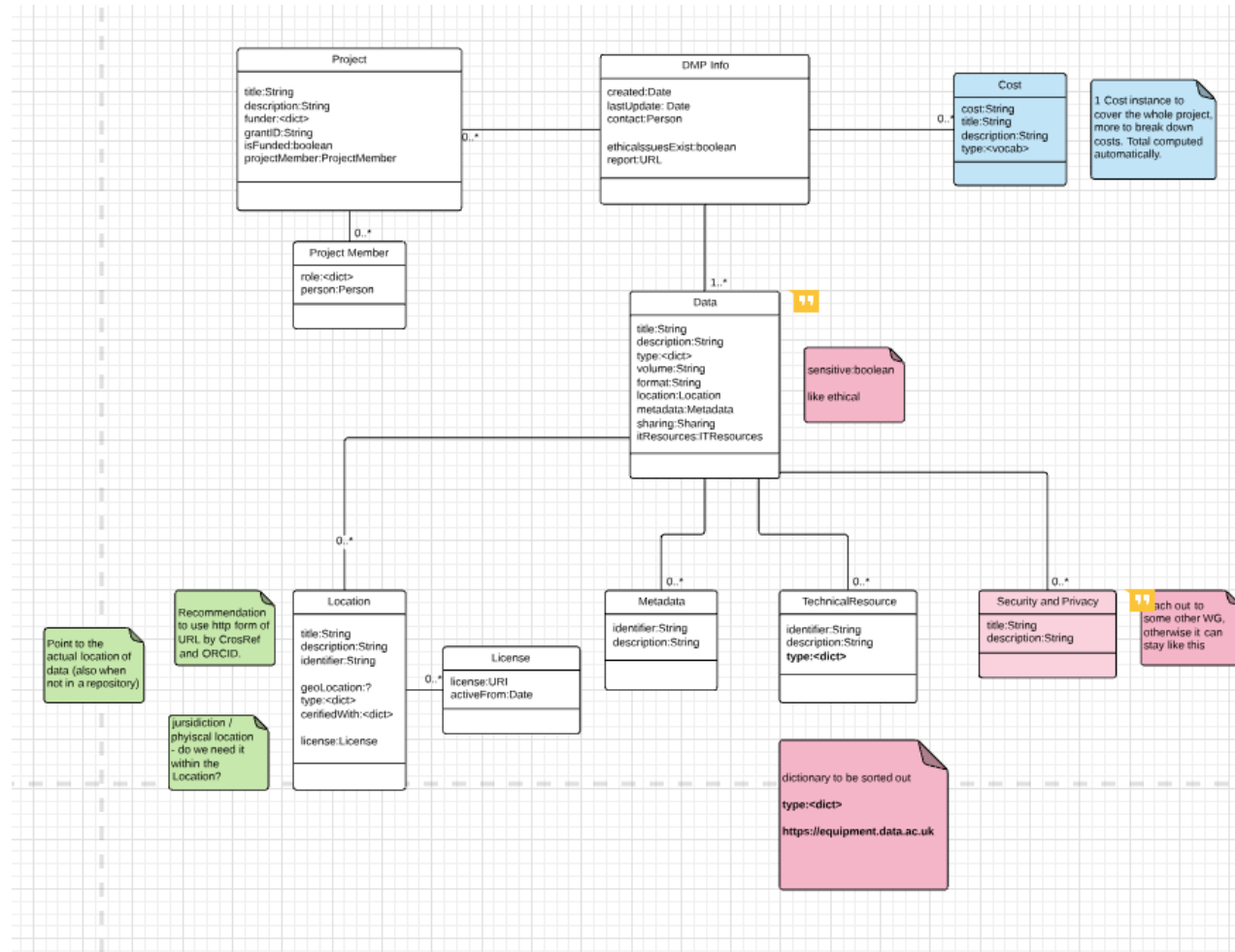
- › Model expresses ‘certainty’ of provided information
 - › to support different phases of DMPs

- › Example
 - › we plan to store data in repository x for the next 10 years, but this not yet confirmed (i.e. we haven't signed anything).

```
<location status="planned" start="2019-01-24" end="2024-01-24">  
  <title>Repository X</title>  
  ...  
</location>
```

Model – current state

➤ <https://www.lucidchart.com/invitations/accept/ee26bc71-01a6-442a-b946-5b9c910fb926>



Next steps

- Agree on the model structure and fields
- Map fields to existing standards
 - e.g. title -> dc:title
- Create examples using common exchange formats
 - XSD schema and XML instances
 - JSON schema and JSON-LD instances
- Write up documentation and create a website

- Plenary in Philadelphia



Thank you!

<https://www.rd-alliance.org/groups/dmp-common-standards-wg>