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

21/03/2018
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