

Introduction

HMC Vision and Mission

Recommendation Tree

- Basic Recommendations and Assumptions
 - M0 Use PID Metadata (M)
 - M1.0 use ORCID
 - M1.1 Centers encourage
 - M1.2 Employees maintain
 - M1.3 Data infrastructures implement
 - M2.0 Use ROR
 - M2.1 Centers maintain ROR
 - M2.2 Repos refer to ROR
 - M3.0 Use PIDInst
 - M3.1 Techs Maintain PIDInst
 - M3.2 Researchers refer to PIDInst
 - M3.3 Repos refer to PIDInst
 - M4.0 Use IGSN
 - M4.1 Organizations support use of IGSN
 - M4.2 Sample Curators register IGSN
 - M4.3 Researchers assign IGSNs to samples
 - M4.4 Repos record and refer to IGSN
 - M5.0 Use Crossref DOI
 - M5.1 Publication Repos register Crossref DOI
 - M5.2 Repos refer to Crossref DOI
 - M6.0 Use DataCite DOI
 - M6.1 Repos register and refer to DataCite DOI
 - M6.2 Publisher and Authors refer to DataCite DOI
 - S0 Use Semantic (S) Resources
 - S1.0 Use Schema.org compliant code with datasets
 - S2.0 Enrich data with rich metadata
 - S3.0 Use controlled vocabularies to contextualize metadata
 - S4.0 Use metadata schemata that are semantically usable
 - S4.0 Use Schema.org compliant code with datasets
 - S4.2 Repos should implement Schema.org compliant code
 - S4.3 ETC
 - I0 Provision of Interfaces (I) and Exchange Formats
 - I1.0 Agree on Protocol
 - I1.1 Define REST Interface
 - I1.2 Define OAI-PMH Interface
 - I1.3 Define CSW Interface
 - I2.0 Define Exchange Format
 - I2.1 Use DataCite Metadata Format for Exchange
 - I2.2 Use ISO 19115 Metadata Format for Exchange
 - I2.3 Use schema.org Metadata Format for Exchange
 - I2.4 Use DCAT v3 Metadata Format for Exchange
 - B0 Which data do we want to harmonize
 - C0 Define Data Containers

- [F0 Implementation of Data Formats](#)
 - [F1.0 NETCDF Guidelines](#)
 - [L0 Use Licenses](#)
 - [Q0 Implement Quality Information](#)
 - [P0 Track Provenance](#)
 - [R0 Define Stakeholder Roles](#)
 - [V0 Value Data Publications](#)
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* [Stakeholder Instructions](#)

- for [center management](#)
 - for [technicians \(lab / experiments\)](#)
 - for [center administration](#)
- for [researchers \(data producers\)](#)
- for [data stewards / managers / repositories](#)
- for [librarians](#)

* Instructions for Re-using data

[Schema.org](#)

* [Glossary](#)

* [Template for recommendations](#)

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