

## Introduction

## HMC Vision and Mission

## Recommendation Tree

- Basic Recommendations and Assumptions
  - M0 Use PID Metadata
    - 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 of Semantic Resources
    - S1.0 Use Schema.org compliant code with datasets
      - S1.1 Repos implement Schema.org compliant code with datasets
    - S2.0 Use Schema for something else
  - I0 Provision of Interfaces 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
  - 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](#)

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\* [Glossary](#)

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\* [Template for recommendations](#)

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