

## Introduction

## HMC Vision and Mission

## FAIR building blocks

- K0 Use PID Metadata (K)
- S0 Use Semantic (S) Resources
  - S1.0 Decompose complex semantic metadata according to community-recognized frameworks
    - S1.1 Measurable quantities
    - S1.2 Measurement devices
  - S2.0 Annotate your metadata with terms from community-recognized controlled vocabularies
    - S2.1 Define your needs and derive requirements for controlled vocabularies
    - S2.2 Reuse existing controlled vocabularies wherever possible
    - S2.3 Evaluate the suitability of controlled vocabularies based on defined criteria and available tools
    - S2.4 Adopt recommended controlled vocabularies
    - S2.5 Adopt recommended terminology services
    - S2.6 Carefully consider how to deal with missing terms
  - S3.0 Use metadata schemata that are semantically usable
    - S3.1 Use Schema.org compliant code with datasets
    - S3.2 Repos should implement Schema.org compliant code
    - S3.3 ETC
  - S4.0 Ensure to address essential criteria when building a vocabulary
- I0 Provision of Interfaces (I) and Exchange Formats
- 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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## Implementation examples

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## Stakeholder Instructions

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## \* Glossary

\* [Template for recommendations](#)

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