Semantic Interoperability Profiles as Knowledge Base for Semantic Solutions

**FAIR Implementation Profile (FIP)**

- **FAIR Principle**
- **FAIR Enabling Resource**
  - metadata schema
  - data usage license: CC-BY-4.0
- **R1.3 FIP**
  - discoverability
  - data usage license
- **R1.1 FIP**
  - metadata schema
  - data usage license: CC-BY-4.0

**Semantic Interoperability Profile (SIP)**

- **FAIR Specification**
- **FAIR Supporting Service**
- metadata schema
- editor
- crosswalk
- registry
- structured vocabulary
- validation service
- semantic model
- Web API
- provenance model
- provenance tracking service
- knowledge representation language
- FAIR representation service
- FAIR practice

**Data Management Plan**

- metadata schema
- data usage license
- registry

**SIP Wizard questionnaire**

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