

# PSI Registries

Sam Oh, Sungkyunkwan University

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# The Purpose of PSI Registries

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- To discover predefined topic types, association types, occurrence types, and topics rapidly and systematically.
- To promote reuse of predefined terms.
- To build trust of terms defined.

# Helpful Resources

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- ISO 11179 Metadata Registry (MDR)
  
- DESIRE Registry
  - <http://desire.ukoln.ac.uk/registry/>
  
- Dublin Core Registry (DCMI Registry)
  - <http://www.dublincore.org/dcregistry/>
  - 11179 Compatible Registry

# Purpose of DESIRE Metadata Registry

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- Authoritative definition of schema
- Change control
- Evolution of metadata language
- Declared relationships between different metadata schema
- Promoting Best practice
- Promoting existing schema to avoid duplicated effort

# Communities of DCMI Registries

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- Read-Only Users
- Registration Authority
- Stewards

# Read-Only Users

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- These include both the humans and applications that are the primary consumers of the registry content.
- Additionally, the read-only users provide feedback to the registration authority regarding change requests to the registry content.

# Registration Authority

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- A registration authority, responsible for approving registry content.
  
- Do we need to keep track of registration authority for PSI Registries?
  
- Or do we need to have different definition of RA?
  - Registration Agency instead of Registration Authority.

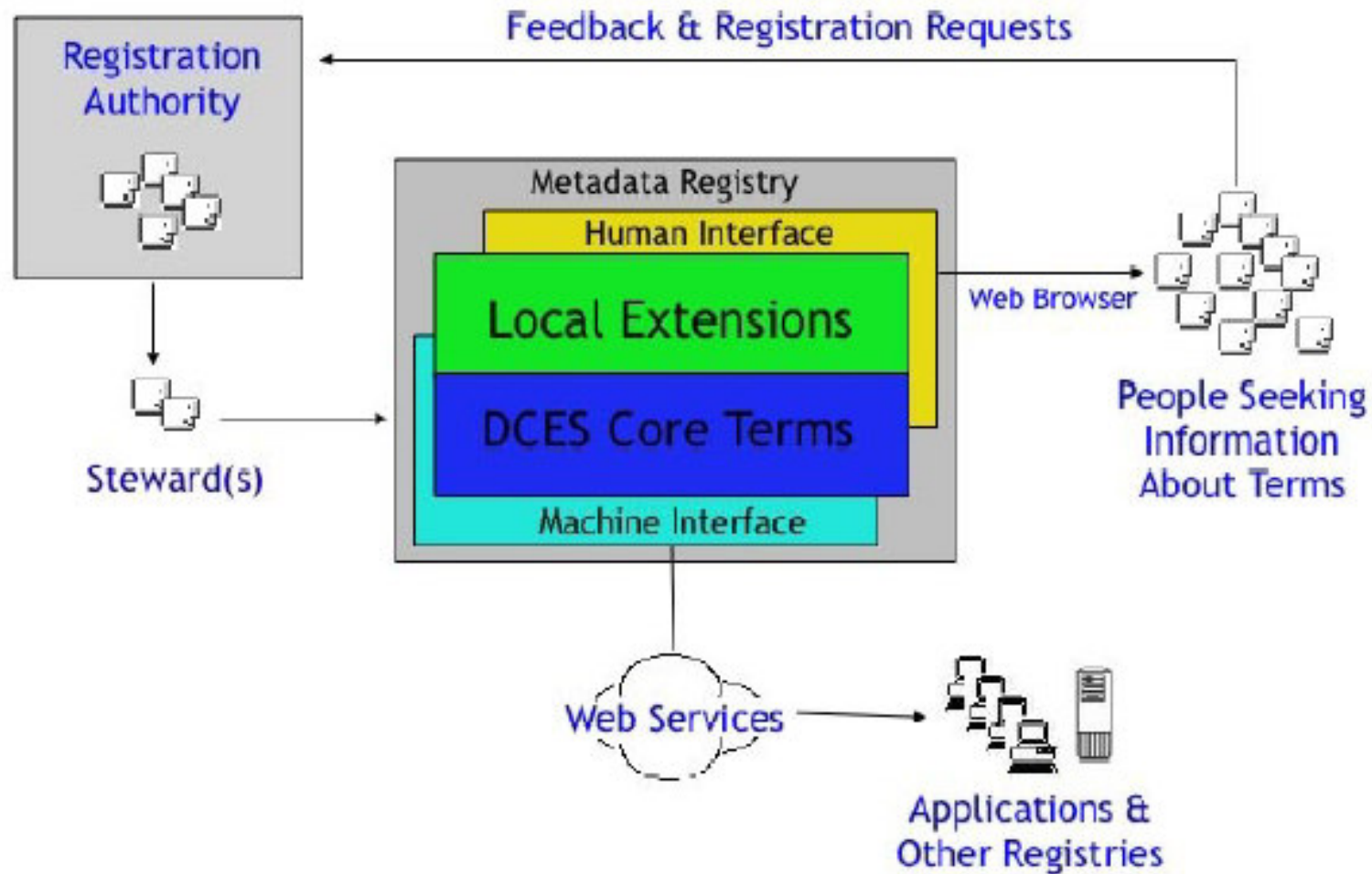
# Stewards

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- Stewards are responsible for application support and maintenance. Their role is limited to the development, support and ongoing maintenance of the registry software. They rely on the registration authority for decisions regarding the actual registry content.
- Or the person who defined the term in the registry? Who is the person that knows best about the term?



# DCMI Registry Architecture Overview



# DCMI Administered Items

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- Elements
- Element Refinements
- Controlled Vocabulary Terms
- Vocabulary and Encoding Schemes

# PSI Administered Items

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- Topic Types
- Association Types
- Occurrence Types
- Topics
- Topic Map
- Anything Else?
  - Registration agency, Stewards?

# Metadata for DCMI Terms

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- Term URI: <http://purl.org/terms/abstract>
- Label: *Abstract*
- Definition:
- Description:
- RDF Type: *Property*
- Term Type: *Element Refinement*
- Date Issued:
- Date Last Modified:
- Refines: <http://purl.org/elements/1.1/description>

# Metadata for PSI Terms

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- Term URI: <http://purl.org/terms/abstract>
- Label: *Abstract*
- Definition:
- Description:
- RDF Type:
  - *Do we need this for PSI Registry?*
- Term Type:
  - *Topic Type, Association Type, Occurrence Type, Topic*
- Date Issued:
- Date Last Modified:
- Refines: <http://purl.org/elements/1.1/description>
- Registration Agency:
- Steward:

# Draft proposal from WG3, Montreal

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## ■ **PSI**

- e.g. <http://psi.oasis-open.org/iso/3166/#004>

## ■ **Names**

- At least one. May be scoped (e.g., by language). Value type: string.

## ■ **Description**

- The minimum description necessary in order to fix the referent of the PSI. Value type: xsd:anyType.

## ■ **(Date Issued)**

- *System-generated*. Value type: dateTime.

## ■ **(Date Last Modified)**

- *System-generated*. Value type: dateTime. Modifications can only be made to the PSI metadata, not to the PSI itself.

## ■ **Envisioner**

- The person who minted the PSI, maintains the PSD, and is the final arbiter of what subject the PSI represents. Value type: PSI.

## ■ **Publisher**

- The owner of the domain where the PSD resides. Value type: PSI.

## ■ **Status**

- Possible values: experimental, active, deprecated. Value type: PSI.

## ■ **Use**

- Preferred PSI when status is deprecated.

## ■ **See also**

- Closely related PSIs.

NOTE: The above is the **required** and recommended content of a *PSD*, all of which is cached in the registry. The registry may contain additional information.