Metadata Schema and Crosswalk Registry

SYMPOSIUM "CROSS-CUTTING RESEARCH SUPPORT SERVICES"

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Metadata Schema and Crosswalk Registry

- Allows for <u>registration of existing</u> schemas and crosswalks in multiple formats
- Provides a <u>harmonized view to schemas</u> expressed in different formats
- Includes a tool for <u>creating crosswalks</u> between registered schemas
- Facilitates the <u>operationalization</u> of crosswalks
- Handles <u>versioning</u> and assigns <u>handles</u>

MSCR glossary

Schema
Structural definition of data (cf. Ontology and complex data types). Should be owned or maintained by someone or something. Consists of properties

Vocabulary schema
List of things. Can be hierarchical or flat.

Property
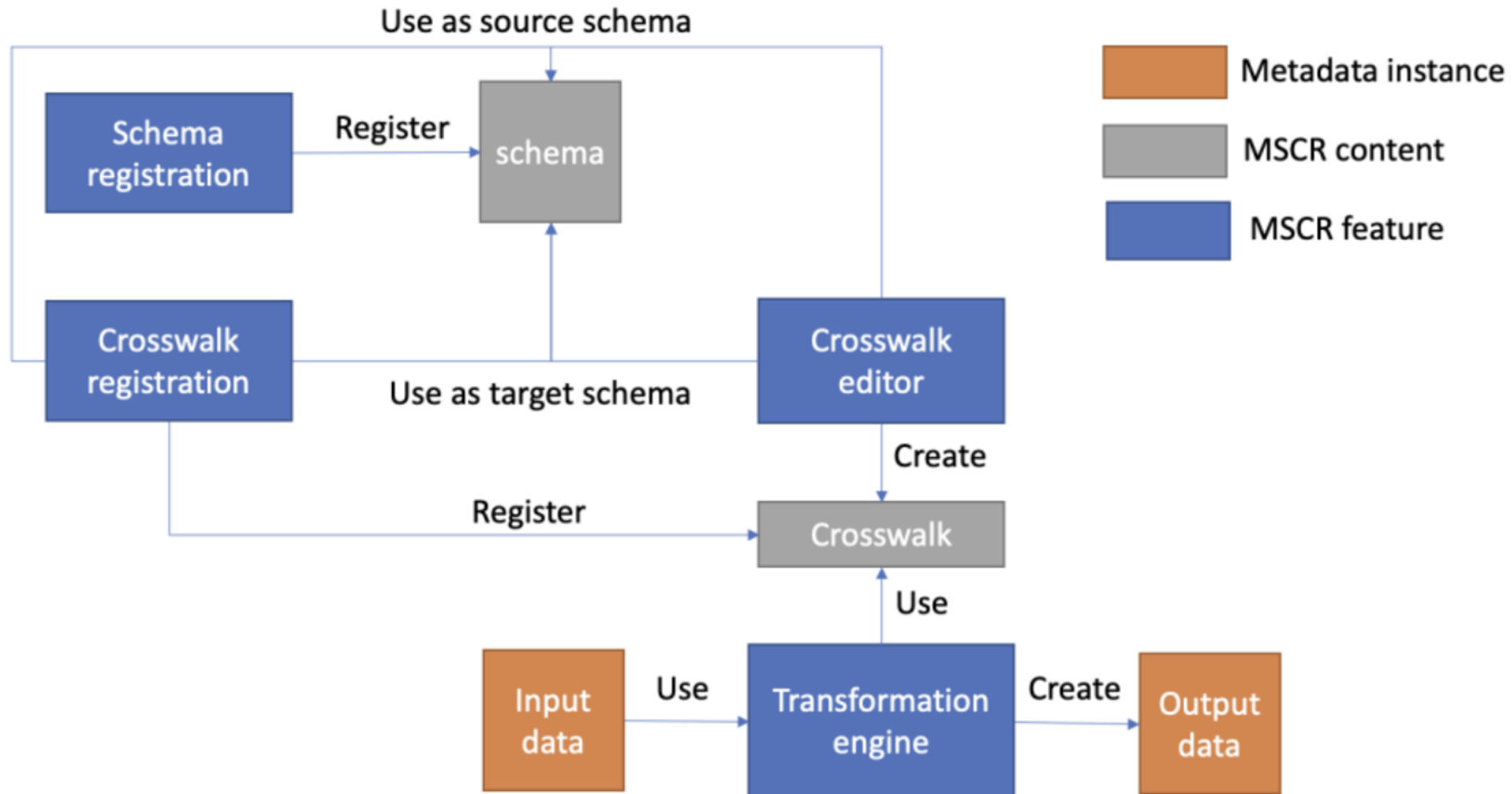Data typed. Can be simple or complex. Has cardinality.

Mapping
Description of a link between two property sets. Mainly manually curated (cf. automated mapping)

Crosswalk
Set of mappings. Binds together two registered schemas

Main features

Mapping editor - The vision

Source document

```
<resource>
  <identifier identifierType="DOI">10.5072/example-full</identifier>
  <creators>
    <creator>
      <givenName>Elizabeth</givenName>
      <familyName>Miller</familyName>
    </creator>
  </creators>
  <titles>
    <title>Full DataCite XML Example</title>
  </titles>
  <resourceType resourceTypeGeneral="Software">
      XML
  </resourceType>
  <rightsList>
    <rights
rightsURI="http://creativecommons.org/publicdomain/zero/1.0/">
      CC0 1.0 Universal
    </rights>
  </rightsList>
</resource>
```

MSCR crosswalk

Target document

```
<oai_dc:dc>
    <dc:identifier>
        https://doi.org/10.5072/example-full
    </dc:identifier>
    <dc:creator>Miller, Elizabeth</dc:creator>
    <dc:title>
        Full DataCite XML Example
    </dc:title>
    <dc:type>Software</dc:type>
    <dc:rights>
        http://creativecommons.org/publicdomain/zero/1.0/
    </dc:rights>
    <dc:rights>
        CC0 1.0 Universal
    </dc:rights>
</oai_dc:dc>
```

4

Demo