<table>
<thead>
<tr>
<th>Persons</th>
<th>Artworks</th>
<th>Group</th>
<th>Digital Objects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Built Works</td>
<td>Places</td>
<td>Events</td>
<td>Bibliographic item</td>
</tr>
</tbody>
</table>
• GND Agrelon
• SIKART
• MARC21
• VIAF
• ULAN
• CDWA
• CCO
• VRA
• Schema
- Identifier Source
- Name
- Part of the name
- Name Language
- Honorific
- Alternate Name
- Alternate Name Type
- Alternate Name Use Period -
- Alternate Name Use Period -
- Gender
- Birth Place

This field is used to indicate additional names under documented as linked to the

E21 Person

E67 Birth

E42 Identifier

P98

P1

P14i

F51 Pursuit
The Swiss Art Research Infrastructure

Thinking Data in the Humanities.

The Swiss Art Research Infrastructure (SARI) provides unified and mutual access to domain-specific research data, collection data, digital visual resources, and related reference data in the field of art history, design history, history of photography, fine studies, architecture and urban planning, archaeology, history studies, art history, and other disciplines related to the visual studies, as well as the digital humanities, at large.

By providing both human-interpretable and machine-processible access through a tailorable, Linked Open Data (LOD) network based on internationally acknowledged, yet extendable standards, SARI not only closes a critical gap within Switzerland’s national research infrastructure and provides a state-of-the-art research environment for teaching and research in the humanities, it also enhances visibility and accessibility of Switzerland’s outstanding research and collection data. By addressing physical losses such as access bias, verifiability, multi-linguality, interpretability, and re-usability, SARI also serves as a role model for international digital research collaborations.

SARI’s mission is to combine the unique scholarly expertise from specialized research institutions nation-wide, such as academic and public research institutes, museums, archives, and collections. By making visual research data and collection assets available online, SARI responds to the urgent demand of the scholarly community for online, unified, and talkable access to high-quality research resources that allow researchers to load their respective fields in a globalized and internationally highly competitive environment, where access to digital resources is crucial for excellence and success.

Swiss Art Research Infrastructure (SARI) is part of the State Secretariat for Education, Research and Innovation (SERI). Roadmap of Research Infrastructure of National Relevance (2017–2030). It is being hosted by the University of Zurich and operated in cooperation with the ETH Zurich (glia Institute) and the Swiss Institute for Art Research, Zurich (SKK/SEA, Zurich).

https://docs.swissartresearch.net
model & docs

transformation

platform

developments
Data Analysis

Data Curation

data interconnection with known source
conceptual mapping
mapping creation
<table>
<thead>
<tr>
<th>#</th>
<th>SOURCE</th>
<th>TARGET</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>D</td>
<td>E22_Man-Made_Object</td>
</tr>
<tr>
<td>1.2</td>
<td>P</td>
<td>E55_Type</td>
</tr>
<tr>
<td>1.3</td>
<td>P</td>
<td>E55_Type</td>
</tr>
<tr>
<td>1.4</td>
<td>P</td>
<td>E55_Type</td>
</tr>
<tr>
<td>1.5</td>
<td>P</td>
<td>E55_Type</td>
</tr>
<tr>
<td>1.6</td>
<td>P</td>
<td>E55_Type</td>
</tr>
</tbody>
</table>

### Additional

```xml
<instance_generator name="objectURI">
  <arg name="id" type="xpath">_system</arg>
</instance_generator>

<instance_generator name="URIorURL">
  <arg name="text" type="constant">http://vocab.getty.edu/aat/</arg>
</instance_generator>

<relationship>crm:P2_has_type</relationship>

<entity type="crm:E55_Type">
  <instance_generator name="URIorURL">
    <arg name="text" type="constant">http://vocab.getty.edu/aat/</arg>
  </instance_generator>
</entity>
```
<table>
<thead>
<tr>
<th>SOURCE</th>
<th>TARGET</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>J:/Share/Self</td>
</tr>
<tr>
<td>P</td>
<td>Display</td>
</tr>
<tr>
<td>1.1</td>
<td>Display</td>
</tr>
</tbody>
</table>

**E22_MediaObject**
- Instance Generator Name: UUID

**P1_isIdentifiedBy**
- E1_Appellation
  - Instance Generator Name: appellationURI
    - Argument: Name
      - Value: xpath
    - Argument: id
      - Value: ...
      - Value: text

**P2_hasType**
- E56_Type: [worktype]
  - Instance Generator Name: TypeURI
running transformation
usage: x3ml -xml <input records> -x3ml <mapping file> hello
Options
    -a,--assocTable <arg>        export the contents of the association table in XML format
    -f,--format <arg>            Output format. Options:
                                   -format application/n-triples
                                   -format text/turtle
                                   -format application/rdf+xml (default)
    -i,--input <arg>             XML input records.
                                   Option A-single file: -input input.xml
                                   Option B-multiple files (comma-sep): -input input1.xml,input2.xml,input3.xml
                                   Option C-folder: -input #_folder_path
                                   Option D-URL: -input @input_url
                                   Option E-multiple URLs: -input @input_url1,input_url2,input_url3
                                   Option F-stdin: -input @
    -m,--mergeAssocWithRDF       merge the contents of the association table with the RDF output
    -o,--output <arg>            The RDF output file name: -output output.rdf
    -p,--policy <arg>            The value policy file: -policy policy.xml
    -t,--terms <arg>             the SKOS taxonomy
                                   Option A-single file: -terms skosTerms.nt
                                   Option B-URL: -terms @skos_terms_url
    -u,--uuidTestSize <arg>      Create a test UUID generator of the given size.
    -x,--x3ml <arg>              X3ML mapping definition.
                                   Option A-single file: -x3ml mapping.x3ml
                                   Option B-multiple files (comma-sep): -x3ml mappings1.x3ml,mappings2.x3ml
                                   Option C-URL: -x3ml @mappings_url
                                   Option D-stdin: -x3ml @

Missing argument for option: p
**R2RML**: mapping standard from relational database to RDF

- **R2RML Parser**
- **Ontop** (virtual graph)

**RML**: RDF Mapping Language. Extension of R2RML, currently in **draft**

Used by:

- **CARML**
- **XRM**

**RDF Views** (Openlink)

**D2RQ** (virtual graph)

**TARQL** (from CSV)
```xml
<entity type="crm:E22_Man-Made_Object"><instance_generator name="objectURI">
  <relationship crm:P2_has_type/>
</instance_generator>
<entity type="crm:E55_Type"><instance_generator name="URI">
  <relationship crm:P2_has_type/>
</instance_generator>
</entity>
<relationship crm:P2_has_type/>
```

### Alternate Name
- **Preferred term**
- **Alternate name**
  - Frey, Adolf

### Alternate Name Use Period
- **Alternate name use period (earliest)**
- **Alternate name use period (latest)**
  - Select or enter alternate name use period (earliest) here...
  - Select or enter alternate name use period (latest) here...

### Person Gender
- Select person gender here...

### Birth
- **Birth place**
- **Birth date (earliest)**
- **Birth date (latest)**

### Diagram

---

`#GLAMhack 2020 - Swiss Art Research Infrastructure`
SARI: architecture
- Library of Congress
- SNAC
- IDAI
- TGN
- Geonames
- Wikidata
- GND
- Nomisma
- AAT
- English Heritage
- VIAF
- Swiss historical dictionary
- IconClass
- ULAN
- SARI: social types
ULAN

new artist

profession

Wikidata

related to

new sub concept

AAT

new sub concept
SARI:
- architecture
- Library of Congress
- SNAC
- IDAI
- TGN
- Geonames
- Wikidata
- GND
- Nomisma
- AAT
- English Heritage
- VIAF

Swiss historical dictionary

IconClass

ULAN

open

internal

local
THANK YOU