# Mapping strategies

## Concept and Place entities

The target format for Concepts and Places is JSKOS (<http://gbv.github.io/jskos/jskos.html>). This means that we want to include the following in our Jolt output:

|  |  |  |
| --- | --- | --- |
| **JSKOS key** | **Source** | **Processing requirements/notes** |
| uri | \_id | Added NG domain as URL prefix |
| type | [fixed value] |  |
| definition | \_source.description.value | Made into object “definition.en” within a single-member array |
| scopeNote | \_source.note.\*.scope\_note | Made into object “scopeNote.en” within a single-member array |
| historyNote | \_source.note.\*.history\_note | Made into object “historyNote.en” within a single-member array |
| prefLabel | \_source.summary.title | Made into object “prefLabel.en” |
| broader | \_source.parent |  |
| broader.uri | \_source.parent.@admin.uuid | Added NG domain as URL prefix; using uuid as a temporary measure until uid is available |
| broader.prefLabel.en | \_source.parent.summary.title |  |
| location | \_source.coordinates.latitude.value and \_source.coordinates.longitude.value | Converted to a GeoJSON Point object: array of longitude followed by latitude |
| ancestors | @hierarchy |  |
| ancestors.\*.uri | @hierarchy .[\*.@admin.uuid](mailto:*.@admin.uuid) | Added NG domain as URL prefix; using uuid as a temporary measure until uid is available |
| ancestors.\*.preflabel.en | @hierarchy.\*.summary.title |  |
|  |  |  |

**\_source.parent** is an array, and we want the “target” key **broader** also to be an array. To achieve this, the array needs to be ‘passed through’ in the **shift** spec.

The **ancestors** array is produced by outputting the members of the first **@hierarchy** array in reverse order, suppressing resulting null array members, then removing the first member of the array (which is the current concept, not an ancestor of it).

## Agents

All agents are to be mapped to the relevant parts of the Linked Art framework.

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| --- | --- | --- |
| **Linked Art key** | **Source** | **Processing requirements/notes** |
| id | \_id | Added NG domain as URL prefix |
| @context | “https://linked.art/ns/v1/linked-art.json” | Linked Art context |
| type | @datatype.actual | Map “Individual” to “Person”; map “…?” to “Group” |
| \_label | summary.title |  |
| born | birth | Add type: “Birth” |
| born.timespan | birth.date | Add type: “TimeSpan” |
| born.timespan.begin\_of\_the\_begin | birth.date.from | Add “-1-1” to end of year |
| born.timespan.end\_of\_the\_end | birth.date.to | Add “-12-31” to end of year |
| died | death | Add type: “Birth” |
| died.timespan | death.date | Add type: “TimeSpan” |
| died.timespan.begin\_of\_the\_begin | death.date.from | Add “-1-1” to end of year |
| died.timespan.end\_of\_the\_end | death.date.to | Add “-12-31” to end of year |
| carried\_out |  | Triggered by top-level date key; member of set of activity objects; add type: “Activity” |
| carried\_out.timespan | date |  |
|  | [etc. as per dates above] |  |
| carried\_out.note | date.value |  |
| referred\_to\_by | description | Retain set structure for multiple descriptions. Add type: “LinguisticObject” plus stuff from Linked Art example to each bio statement |
| referred\_to\_by.content | description.value | I assume that ‘value’ is preferred to ‘formatted’ and ‘web\_text’ |
| \_identified\_by | [any name] | This is a set of objects with type: “Name” |
| \_identified\_by.classified\_as (primary name) | Name with type: “primary name” |  |
| \_identified\_by.content | name.primary\_name |  |
| \_identified\_by.classified\_as (family name) | Name with type: “family name” | Place within part statement |
| \_identified\_by.content | name.last\_name |  |
| equivalent | [any external identifier] | This is a set of objects with type: “Person” |
| equivalent.\*.id | identifier.\*.pid\_external |  |
| equivalent.\*.\_label | summary.title |  |
| carried-out | role | This is a set of objects with type: “Activity” |
| carried\_out.\_label | role.value | (?) |
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Check that @datatype.base: “agent” is true in source.

## Packages

## Objects

Objects are to be mapped to the Linked Art framework.

|  |  |  |
| --- | --- | --- |
| **Linked Art key** | **Source** | **Processing requirements/notes** |
| id | \_id | Added NG domain as URL prefix |
| @context | “https://linked.art/ns/v1/linked-art.json” | Linked Art context |
| type | “HumanMadeObject” | Mandatory fixed value |
| \_label | \_source.classification.[0].value + ‘: ’ + \_source.summary.title | Combined using XSLT |
| classified\_as | \_source.classification |  |
| identified\_by | \_source.title; \_source.identifier | Selected identifiers only: object number and PID |
| referred\_to\_by | \_source.description |  |
| equivalent | - | No obvious source of other records about this work |
| representation | - | Not clear if this is relevant |
| member\_of | \_source.package |  |
| subject\_of | \_source.bibliography |  |
| attributed\_by | - | Have not yet identified input concepts which represent relationships |
| part\_of | - | Need an example to implement this |
| dimension | \_source.measurements | Some details still to be supported |
| made\_of | \_source.material | Need to support ‘medium’ and ‘support’ |
| current\_owner |  | NG, presumably. Not clear what to test before asserting this |
| current\_custodian |  | Ditto |
| current\_permanent\_custodian |  | Ditto |
| current\_location | \_source.location.current |  |
| current\_permanent\_location |  |  |
| carries |  | [inscriptions] |
| shows | \_source.style; \_source.subject |  |
| produced\_by |  |  |
| destroyed\_by |  |  |
| removed\_by |  |  |
| used\_for |  | This is where events involving the object should go |
|  |  |  |
|  |  |  |