



Atmire

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Storage of name variants

Storage of name variants

- Storage in DB:
 - Additional field in the relationship db table
- Storage of possible name variants and referencing a name variant
 - 1) Relationship contains reference to name variant
 - 2) Person doesn't contain any name variant info
 - 3) Hybrid approach: combining the above options

1) Relationship contains reference to name variant

- The person item contains:
 - name.variant.1: Edwards, Anna
 - name.variant.2: Michaels, Anna
 - name.variant.3: Michaels, A.
- The relationship contains:
 - relationship.leftwardLabel: name.variant.2
- Creating a publication with name variant "Edwards, A." requires the name variant to be stored in the person item

Note: name.variant.1 doesn't reflect schema.element.qualifier nor an index in schema.element.

2) Person doesn't contain any name variant info

- The person item:
 - doesn't contain the potential name variants.
- The relationship contains:
 - relationship.leftwardLabel: Michaels, Anna
- Creating a publication with name variant doesn't impact the person item.
- Retrieving a list of potential name variants for a person would use an inefficient database query.

3) Hybrid approach

- The person item contains:
 - name.variant.1: Edwards, Anna
 - name.variant.2: Michaels, Anna
 - name.variant.3: Michaels, A.
- The relationship contains:
 - relationship.leftwardLabel: Michaels, Anna
- Creating a publication with name variant "Edwards, A." doesn't impact the person item.
- Including "Edwards, A." as a suggested name variant for the person is possible but requires update to the person item.

3) Hybrid approach

- In order to ease updates to the name variants stored in the person item, an additional usability feature can be created.
- When a new name variant is chosen instead of using an existing one, the UI can verify whether the current permissions has permissions to edit the person item.
- The submitter can be offered a single-click feature to add the name variant to the person item.





New item

Would you like to save "Edwards, A." as a name variant for this person so you and others can reuse it for future submissions? If you don't you can still use it for this submission.

[Save a new name variant](#) [Use only for this submission](#)

Authors

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Paleoclimatology Climate Geochronology
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Curator in Entomology, Museum of Comparative Zoology, Harvard University

Biogeography Biodiversity Entomology Sociobiology
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Professor of Economics, Anderson School, UCLA

International Economics Economic development

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Configuration

Configuration needs

- For which relationship and in which direction can a name variant be used.
- If applicable, where can the list of potential name variants be found.
- Which virtual metadata field should be populated with the name variant.
- When rendering the related item on the primary item's page, how should the name variant be used.

Areas of configuration

- A) Configuration in the submission forms
- B) Configuration in the spring virtual-metadata.xml
- C) Configuration on the publication item page

A) Configuration in the submission forms

- The submission forms can be extended to detail:
 - For which relationship and in which direction can a name variant be used.
 - Where the list of potential name variants can be found.
- Extend the submission form config and REST response to include a `nameVariantMetadata` in the `selectableRelationship` section if a name variant can be chosen, with the metadata field containing the potential name variants.

B) Configuration in the spring virtual-metadata.xml

- The spring `virtual-metadata.xml` file currently contains all the details about the virtual metadata.
- The bean can be extended to include an optional property to state it should be populated with the name variant

```
<property name="populateWithNameVariant" value="true"/>
```

C) Configuration on the item page

- Create a custom template which will render identical to the standard item list rendering of the person type except for the name. This can be achieved using one of the methods below:
 - The name is no longer built from `firstMetadataValue('person.familyName') + ', ' + firstMetadataValue('person.givenName')` but rather from the value in the virtual metadata. If no name variant is present, this is the same value. Otherwise, this contains the name variant
 - The relationship's `leftwardLabel` (or `rightwardLabel`) is used to retrieve the name variant. If it's present, the name is no longer built from `firstMetadataValue('person.familyName') + ', ' + firstMetadataValue('person.givenName')` but rather from the given name variant



Current selection



New item

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Author Search Results

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Edwards, Anna ▾

Professor, Earth & Environmental Sciences, U Minnesota

Paleoclimatology
Climate
Geochronology

Edwards, Frank Oliver ▾

Curator in Entomology, Museum of Comparative Zoology, Harvard University

Biogeography
Biodiversity
Entomology
Sociobiology

Edwards, Matthew ▾

Professor of Economics, Anderson School, UCLA

International Economics
Economic development

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New item

Authors ✕

Search for Authors Current Selection (1)

Search DSpace Edwards Search

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Author Search Results

Now showing 1-3 of 3

Edwards, Anna Sciences, U Minnesota
Biochronology

Edwards, Frank Oliver Curator in Entomology, Museum of Comparative Zoology, Harvard University
Biogeography Biodiversity Entomology Sociobiology

Edwards, Matthew Professor of Economics, Anderson School, UCLA
International Economics Economic development

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Affiliation +

Research Subject +

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Results per page

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Search

Author Search Results

Now showing 1-3 of 3

Edwards, A

Edwards, Anna

Paleoclimatology
Climate
Geochronology

Edwards, Frank Oliver

Curator in Entomology, Museum of Comparative Zoology, Harvard University

Biogeography
Biodiversity
Entomology
Sociobiology

Edwards, Matthew

Professor of Economics, Anderson School, UCLA

International Economics
Economic development

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New item

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[Save a new name variant](#) [Use only for this submission](#)

Authors

Search for Authors Current Selection (1)

Filters

Job Title +

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Search DSpace

Author Search Results

Now showing 1-3 of 3

Professor, Earth & Environmental Sciences, U Minnesota

Paleoclimatology Climate Geochronology

Curator in Entomology, Museum of Comparative Zoology, Harvard University

Biogeography Biodiversity Entomology Sociobiology

Professor of Economics, Anderson School, UCLA

International Economics Economic development





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Authors
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Search for Authors

Current Selection (2)

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Selected Authors

Now showing 1-2 of 2

Edwards, A.

▼

Professor, Earth & Environmental Sciences, U Minnesota

Paleoclimatology
Climate
Geochronology

Nilsson, Göran E.

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Nilsson, Göran E. of Biosciences, University of Oslo

Nilsson, Göran Eric

▼

Physiology

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Authors
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Search for Authors

Current Selection (2)

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Selected Authors

Now showing 1-2 of 2

Edwards, A. ▾

Professor, Earth & Environmental Sciences, U Minnesota

Paleoclimatology
Climate
Geochronology

Nilsson, Göran Eric ▾

Professor of Biology, Department of Biosciences, University of Oslo

Animal Physiology
Comparative Physiology

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