



ORCID for DSpace

University of Missouri - @mire



Bram Luyten



ORCID for DSpace

University of Missouri - @mire



Bram Luyten

OVERVIEW



The problem

Implemented functionality

DSpace 5 contribution

Future opportunities



The Problem

1000 Genomes Project
 2010 Debrecen-Hungary, iGEM
 880-01 Chen, Li jin

Aad, G.

Aaker, Jennifer

Aakre, Christopher David

Aalberts, Daniel P.

Aalberts, Daniel Paul, 1966-

Aaltonen, T.

Aanestad, Jon

Aaron, Benjamin S. (Benjamin Samuel)

Aaronson, Scott

Aas, Finn Erik

Aashtiani, Hedayat Zokaei

Ababneh, Mohammed T.

Ababou, R. (Rachid)

Abad, Antonio Manuel, 1976-

Abadi, Daniel J

Abadi, Daniel J.

Abadie, Alberto

| |
|--|
| Aalbers, Manuel; U0087619 |
| Aarts, Arno; S0180659 |
| Aarts, Arno; U0052905 |
| Abad-Rodriguez, José; U0050644 |
| Abarca, Marcelo; U0044819 |
| Abasili, Alexander; U0062381 |
| Abbasi Asbagh, Layka; U0060369 |
| Abbeloos, Dirk; U0063907 |
| Abbeloos, Wim; U0086574 |
| Abbey, Emmanuel Annor; U0035624 |
| Abdelmalki, Hafid; U0014996 |
| Abdel Mottaleb, Yousra; U0041525 |
| Abdel-Rahman, Abdel-Rahman Samir; U0055188 |
| Abdollahi Asadabadi, Rouhollah; U0063212 |
| Abeel, Thomas; U0078829 |
| Abegão Pinto, Luís; U0089285 |
| Abels, Hemmo; U0091352 |
| Abera, Metadel; U0061210 |
| Abou El Asrar, Rania; U0079906 |
| Abouelmagd, Doaa Ahmed Shehata; R0290944 |
| Abou Zaid, Hamdy El Desouky; U0050153 |

Aazami, Amir Babak

Aazami, Amir Babak

Aballay, A

Aballay, Alejandro

Abbott, Kelsey

Abdelwahid, E

Abdi, K

Abdulkadiroglu, A

Abdulkadiroglu, Atila

Abdullah, Hasan

Abedini-Nassab, Roozbeh

Abe, K

Aberger, Marie

Abernethy, Amy Pickar

Abernethy, AP

Abernethy, Ashley L.

Abgrall, N

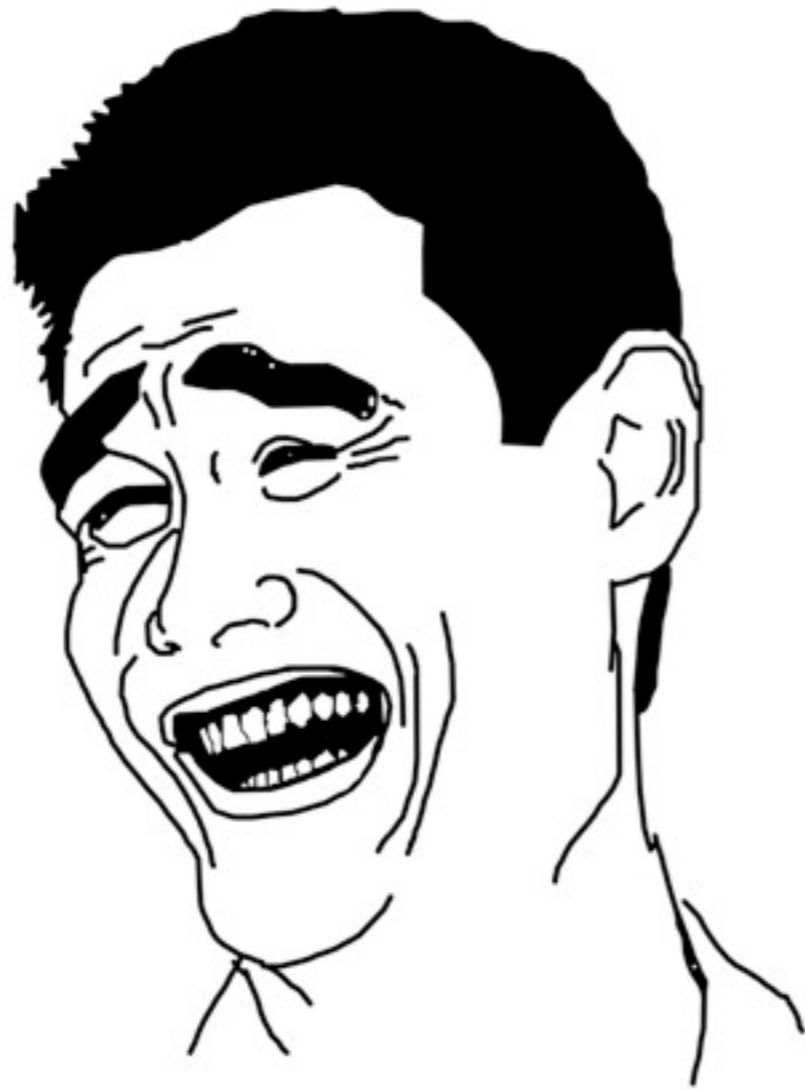
Abraham, SN

Abrahamsson, CK

Abramczyk, Robert

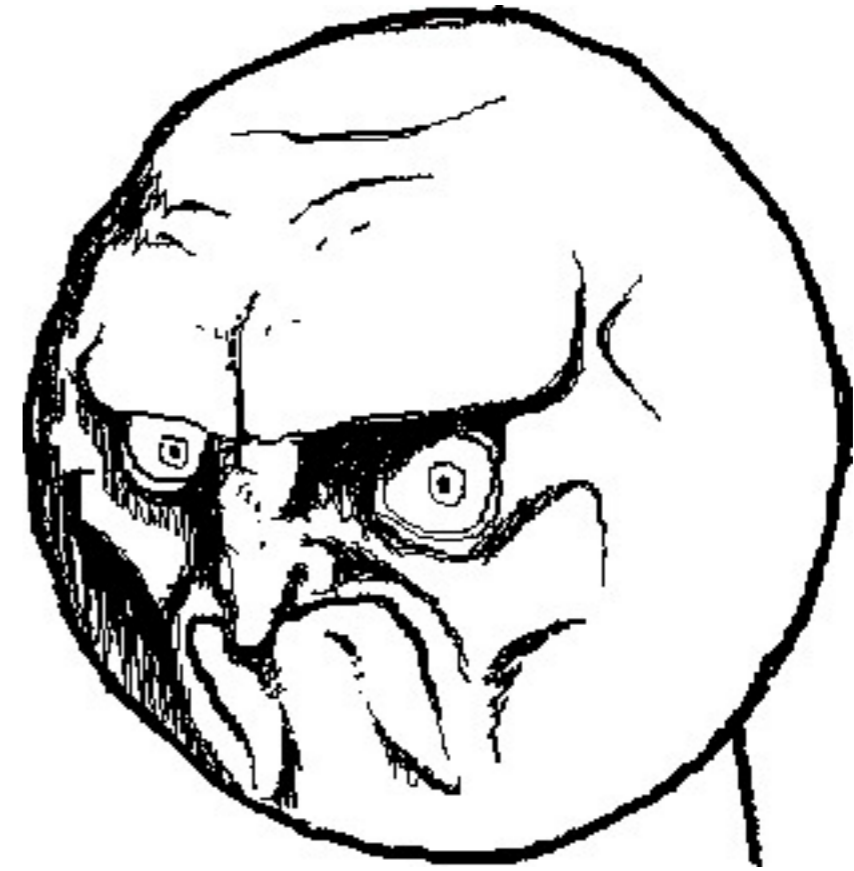
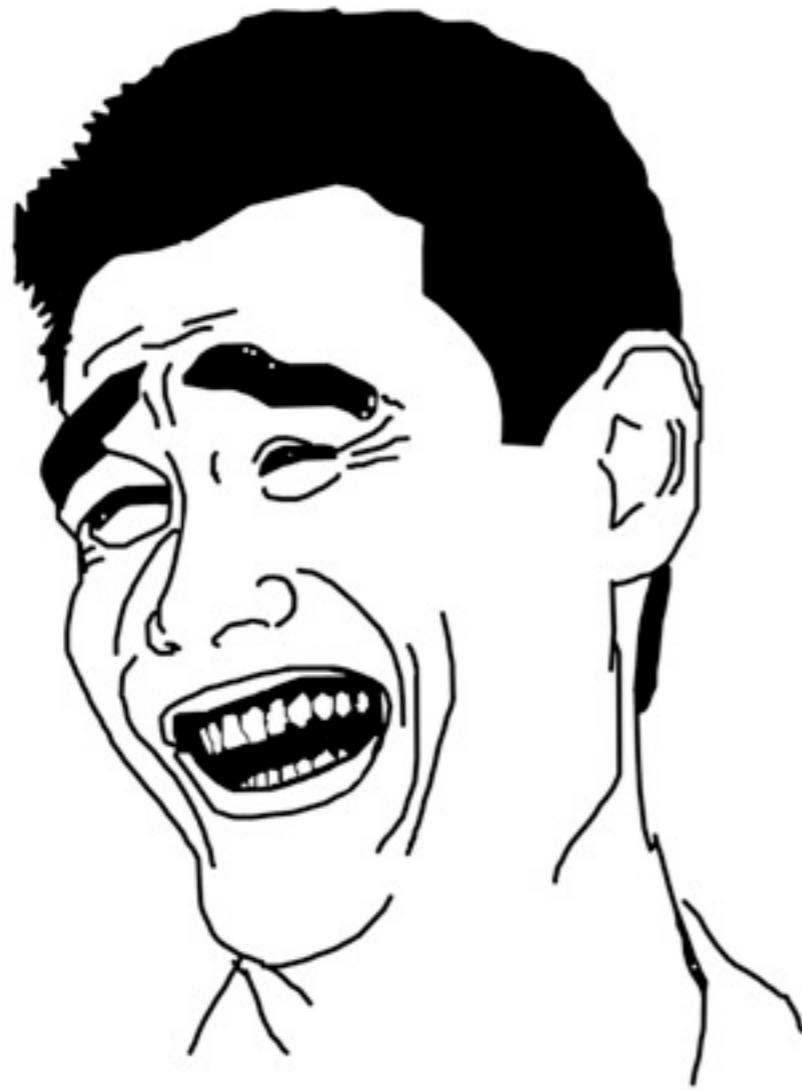






These were just a few uncommon exceptions, right?





These were just a few uncommon exceptions, right?

NO.



WHY IS THIS A PROBLEM?



Trust

Re-use of repository metadata



OBJECTIVE



Making it easy for repository managers to enhance and cleanup author metadata knowing that

Names are not reliable

Not everyone will have an ORCID



IMPLEMENTED FUNCTIONALITY



ORCID and DSpace Authority Control Integration

Author lookup for new submissions (UI)

Author lookup for edits on items (UI)

Author identifiers in Batch CSV editing



INTEGRATION



String representation of the name in standard Dublin Core metadata enhanced with DSpace compliant **authority control id**

“**authority cache**” stores extended contributor metadata, including ORCID ID and alternative names



| Remove | Name | Value | Language |
|--------------------------|-----------------------|--|----------------------|
| <input type="checkbox"/> | dc.contributor.author | <input type="text" value="Haak, Laurel"/> <input type="text" value="fb4a91cb-3383-4044-a1ba-bf"/> <input type="button" value="Lookup"/> | <input type="text"/> |

```
<doc>  
  <date name="creation-date">2013-12-23T20:51:03.714Z</date>  
  <date name="last-modified-date">2013-12-23T20:51:03.714Z</date>  
  <bool name="deleted">>false</bool>  
  <str name="field">dc_contributor_author</str>  
  <str name="first_name">Laurel</str>  
  <str name="last_name">Haak</str>  
  <str name="orcid_id">0000-0001-5109-3700</str>  
  <str name="id">fb4a91cb-3383-4044-a1ba-b6be57b6547d</str>  
  <arr name="name_variant">  
    <str>Laurel L Haak</str>  
    <str>L Haak, Laure Haak</str>  
    <str>L. L. Haak</str>  
    <str>Laurela L Hāka</str>  
  </arr>  
</doc>
```



NEW SUBMISSIONS



Adding an author with an identifier should ideally be as easy as providing a simple name.



Item submission



Describe Item

Authors:

Enter the names of the authors of this item below.

Last name, e.g. Smith

First name(s) + "Jr", e.g. Donald Jr

Add

Lookup & Add

Person Lookup

Search:

| Name | |
|------------------------|-------------------------------------|
| <i>Haak, Harm</i> | ◦ last name: Haak |
| <i>Haak, Danielle</i> | ◦ first name: Laurel |
| <i>Haak, Maria</i> | ◦ orcid: 0000-0001-5109-3700 |
| <i>Lee, Sang Haak</i> | |
| <i>Haak, Monique</i> | |
| <i>Haak, Alexander</i> | |
| <i>Haak, Rainer</i> | |
| <i>Haak, Jeannie</i> | |
| <i>Haak, Wolfgang</i> | |
| <i>Haak, Laurel</i> | |

Items in this repository: no

[Add This Person](#)

Showing 10 results. [show more](#)



ITEM EDITS



Editing existing items should offer the same easy of use for administrators.



Author identifiers in Batch CSV editing



Administrator exports existing work metadata



Staff enhances contributor string names with ORCID



Administrator finalizes by re-uploading edited file



SPREADSHEET EXAMPLE



| dc.title | ORCID:dc.contributor.author | dc.contributor.author |
|--------------------------|--|-----------------------|
| ORCID CSV import example | 0000-0001-8932-6871 0000-0001-9152-849X | Smith, Benjamin |
| Test item 2 | 0000-0002-2276-4656 | |

Add **ORCID identifier** to spreadsheet for batch deposit of metadata into DSpace:
"ORCID:dc.contributor.author"

Non-ORCID authors can still be imported:
"dc.contributor.author"



SPREADSHEET EXAMPLE

| dc.title | ORCID:dc.contributor.author | dc.contributor.author |
|--------------------------|--|-----------------------|
| ORCID CSV import example | 0000-0001-8932-6871 0000-0001-9152-849X | Smith, Benjamin |
| Test item 2 | 0000-0002-2276-4656 | |

Notice

Upload successful

Import Metadata

Pending changes are listed below for review

New item

- Add to owning collection 123456789/2 (uiop)
- Add: (dc.title) ORCID CSV import example
- Add: (dc.contributor.author) Smith, Benjamin
- Add: (dc.contributor.author) Hancock, Roeland
- Add: (dc.contributor.author) Vandekerckhove, Bram

Apply changes

Return

ORCID authors are retrieved automatically, and the author's name is displayed in DSpace

DSPACE 5 CONTRIBUTION



To be release in **DSpace 5**

Scheduled for Fall 2014

Patches for earlier **DSpace 4.x and 3.x:**

will be made available for download through
atmire.com/website/?q=contributions



FUTURE OPPORTUNITIES



Display ORCID identifier on item pages

Link to author ORCID profile

Add ORCID identifiers to Google Scholar
<meta> tags

UI to manage DSpace Authority Control





Questions?

Thank You

www.atmire.com





Questions?

Thank You

www.atmire.com

