

2015 VIVO Conference
Cambridge, MA 13 August 2015

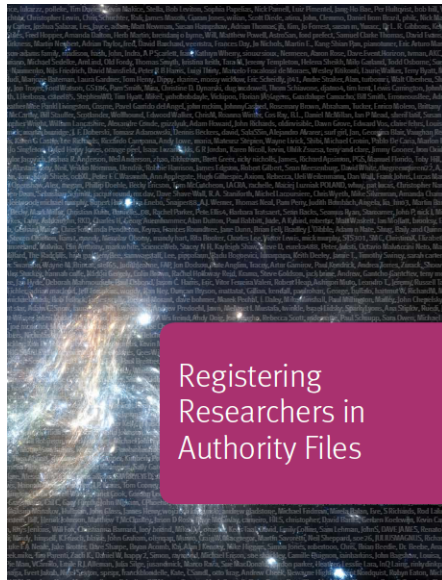
The Complexity of Scholar Affiliation in ISNI and VIVO

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Johns Hopkins University

Janifer Gatenby
OCLC-Leiden

Organizational IDs: Use cases



- Institutions want to track *all* their scholarly output
- Track research groups which may comprise staff from multiple institutions
- National assessments reporting
- Track funding and validate affiliation
- Disambiguate researchers' names by affiliation
- Correctly identify researchers' affiliations in publications

Many institutions unaware they *already have* an identifier assigned

Identifier: a definition

A unique, persistent and public URI associated with a digital object and resolvable globally over networks via specific protocols that is unambiguous to use, find and identify the resource.

Examples:

- <http://id.loc.gov/authorities/names/n79006591>
- isni.org/isni/00000000123412786
- <http://viaf.org/viaf/13426768>
- wikidata.org/wiki/Q49108

Identify:



OCLC Research Task Force on Organisations in ISNI

Karen Smith-Yoshimura	OCLC Research (leader)
Grace Agnew	Rutgers University
Christopher Brown	JISC (UK) (CASRAI)
Kate Byrne	University of New South Wales
Matt Carruthers	University of Michigan
Naun Chew	Cornell University
Peter Fletcher	UCLA
Janifer Gatenby	OCLC Leiden (ISNI Assignment Agency)
Stephen Hearn	University of Minnesota
Xiaoli Li	University of California, Davis
Marina Muilwijk	University of Utrecht
Boaz Nadav-Manes	OCLC Leiden (ISNI Assignment Agency)
Roderick Sadler	La Trobe University
John Riemer	UCLA
Jing Wang	Johns Hopkins University
Glen Wiley	University of Miami
Kayla Willey	Brigham Young University

Examined 13 use cases; producing sample records for each use case

23 recommendations for the system, for the ISNI-IA, for users

Search guidelines for organisations to be produced

Outreach document

With input from Andrew MacEwan, British Library and Anila Angjeli, Bibliothèque nationale de France

Special challenges with organizations



- They merge, they split
- They acquire/are acquired
- They can have multiple departments, schools
- Have hierarchies that may change over time
- May have multiple hierarchies
- Branches in multiple locations or countries
- Often unclear when a name change represents a new organization
- Different stakeholders' perspectives

La Trobe University Restructuring

5 faculties:

- Faculty of Business, Economics and Law
- Faculty of Education
- Faculty of Health Sciences
- Faculty of Humanities and Social Sciences
- Faculty of Science, Technology and Engineering



2 colleges:

- College of Science, Health and Engineering
- College of Arts, Social Sciences and Commerce



Please help us improve this record

If you have any supplemental information about the identity listed here, please click in this box to go to the contribution form.

Thank you in advance!



ISNI:

0000 0001 2289 2474

Name:

C.A.A.S.

CAAS

CAAS (Center for Afro-American studies, Los Angeles)

California University University at Los Angeles Center for Afro-American Studies

Center for Afro-American studies (Los Angeles)

Center for Afro-American Studies Los Angeles, Calif

UCLA Center for Afro-American Studies

University of California Berkeley, Calif Center for Afro-American Studies

University of California Berkeley, Calif Los Angeles Campus Center for Afro-American Studies

University of California, Los Angeles Center for Afro-American Studies

University of California Los Angeles Ralph J Bunche Center for African American Studies

Location / Nationality: [United States](#)

[United States](#) California Los Angeles

Creation class:

Language material

Creation role:

originator

Related names:

[Ralph J. Bunche Center for African American Studies](#) Los Angeles, Calif (see also from)

University of California Berkeley, Calif Los Angeles Campus (see also from)

University of California, Los Angeles Afro-American Studies Center (see also from)

University of California, Los Angeles Center for African American Studies (see also from)

Titles

Notes:

Sources:

[VIAF](#) [DNB](#) [LC](#) [RERO](#)

[BNF](#)

[RING](#)

cross-domain

bridging-domains





- Universal in scope
- Public domain focus
- Multiple links
 - Hub ID – striving to link to all significant existing IDs
 - Linking among identities, e.g. affiliations, organisation hierarchies
 - Linking to created resources
- Third party input and curation
 - Organisations can manage their own data, e.g. La Trobe
- ISNIs are disseminating links and connections beyond science databases towards publishers and research information systems

ISNI for Organizational Identifiers

480,503 organizations have public ISNIs

- ORCID uses ISNIs for organizations
- Links to and from Virtual International Authority File (VIAF)
- Links in Wikidata



Item Discussion

Bibliothèque nationale de France (Q193563)
National Library of France

ISNI (ISO 27729)

0000 0001 2353 1945



Authority control

WorldCat · VIAF: 125984028 · LCCN: no95028191 · **ISNI: 0000 0001 2353 1945** · GND: 5156217-0 · SELIBR: 211591 · SUDOC: 03361122X · BNF: cb11862469g (data) · NLA: 35553176 · NKC: ko2002102945 · BNE: XX179415



전거 통제

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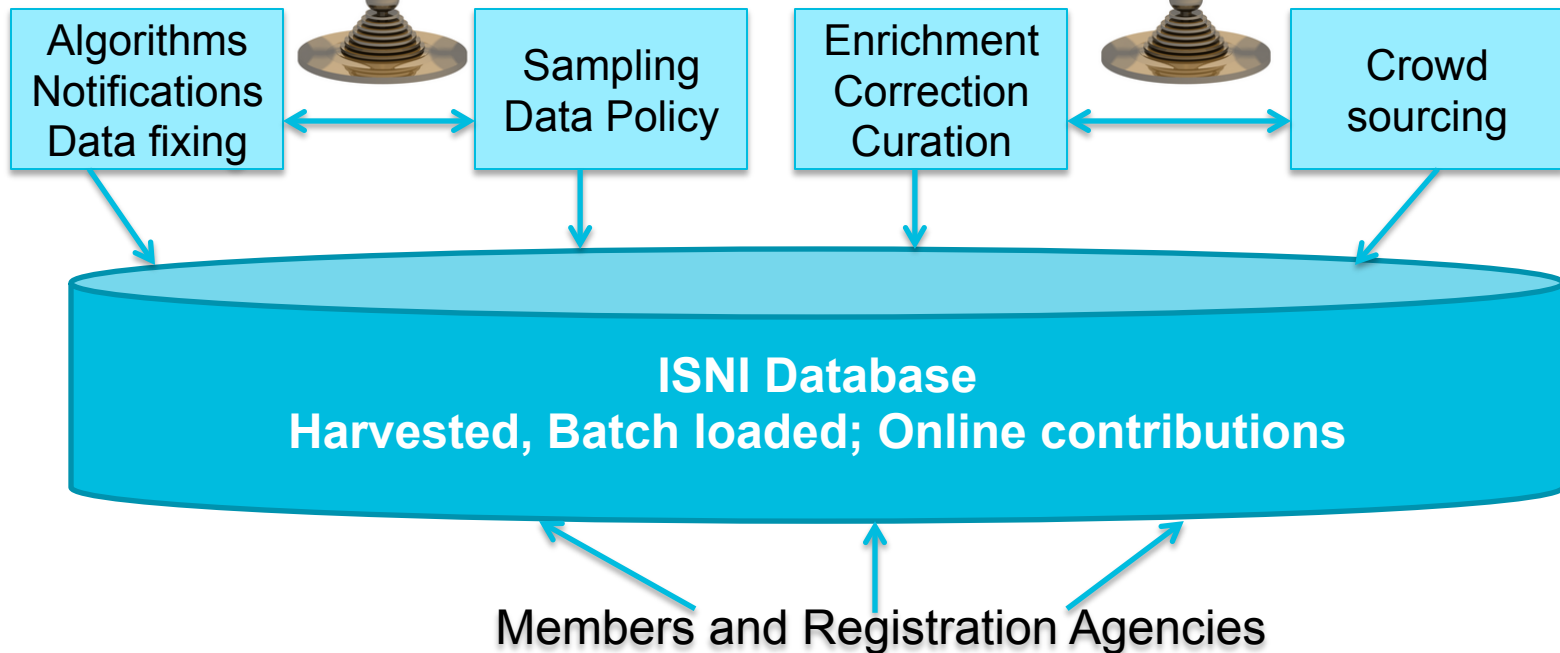
Sustainable Quality Management



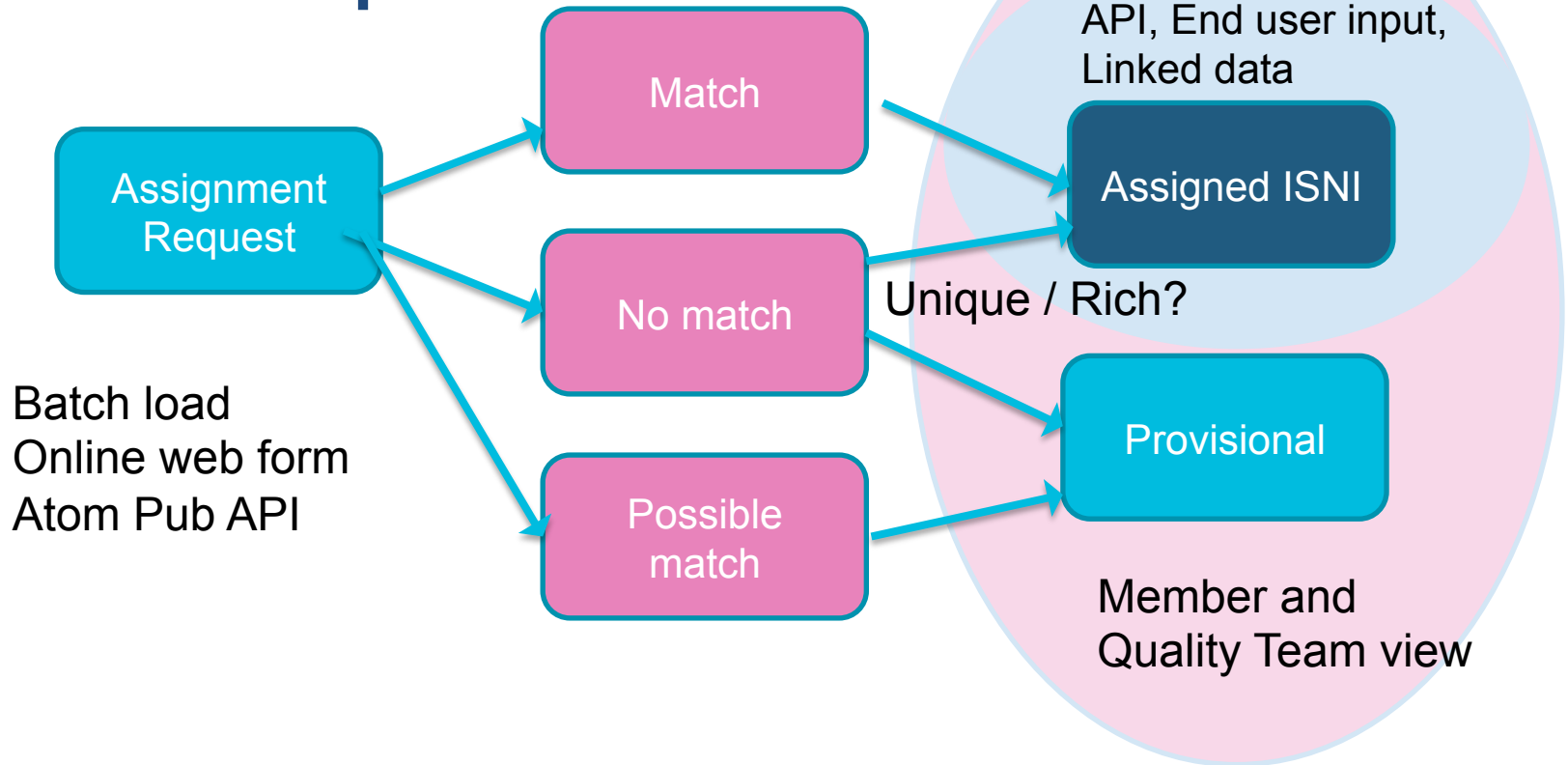
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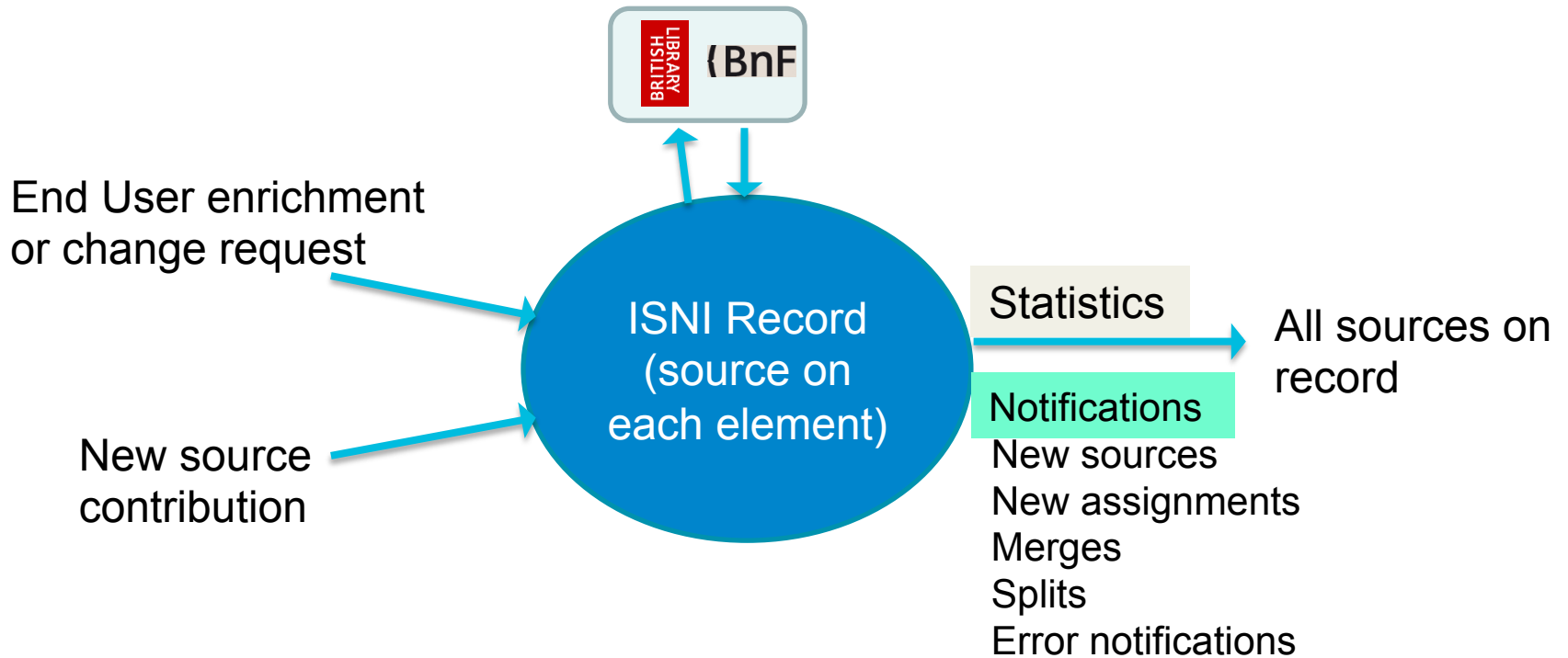
Thank you in advance!



ISNI Input



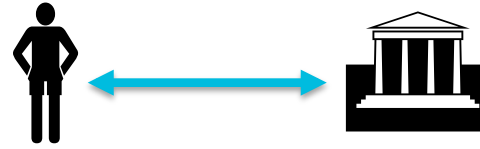
ISNI Maintenance Flow



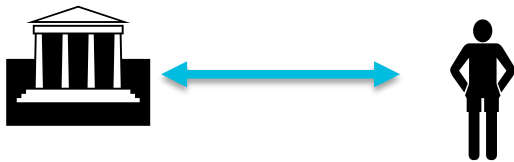
Links among identities



Co-author,
pseudonym.....



isMemberOf,
isAffiliatedWith.....

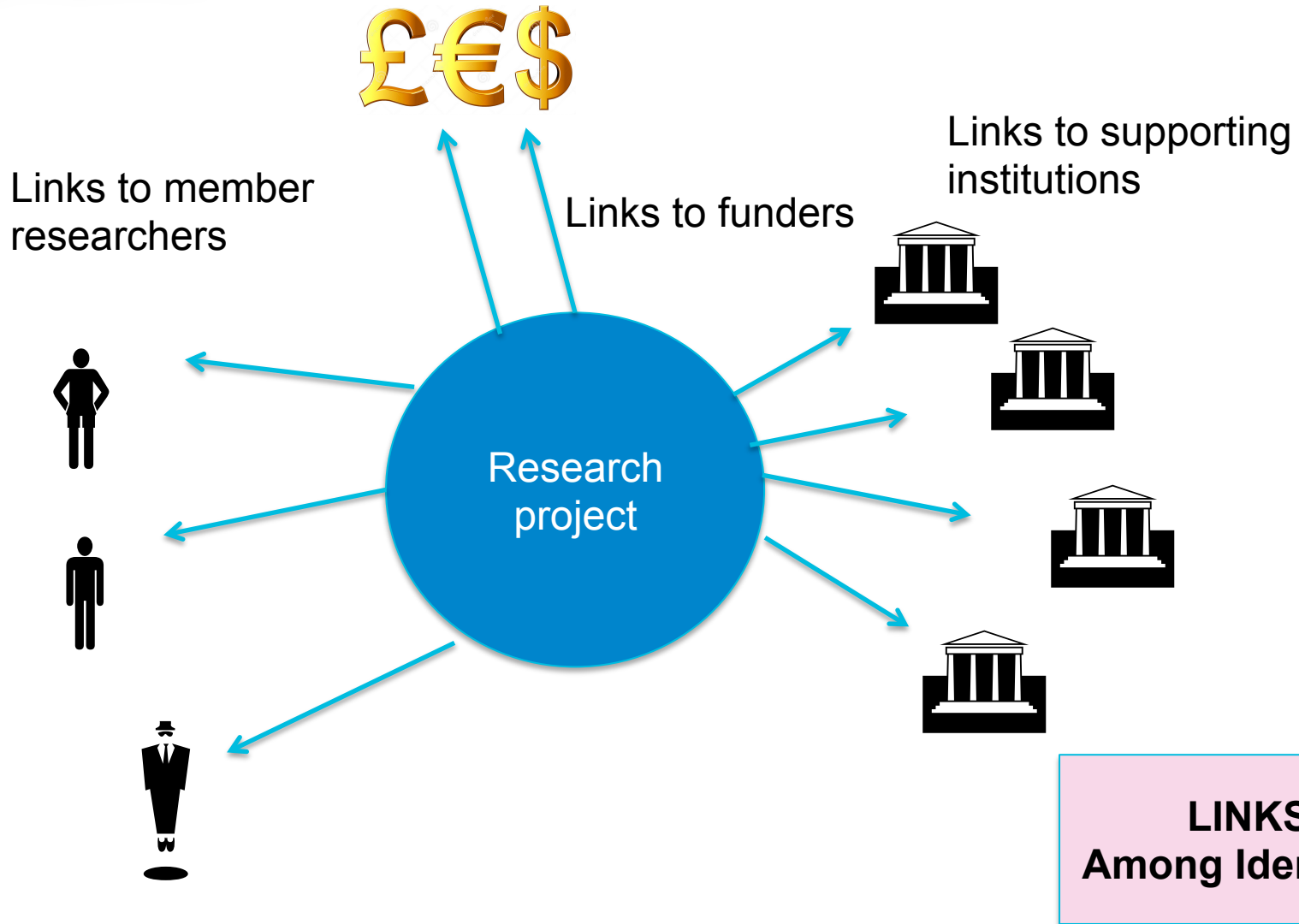


hasMember,
hasEmployee.....

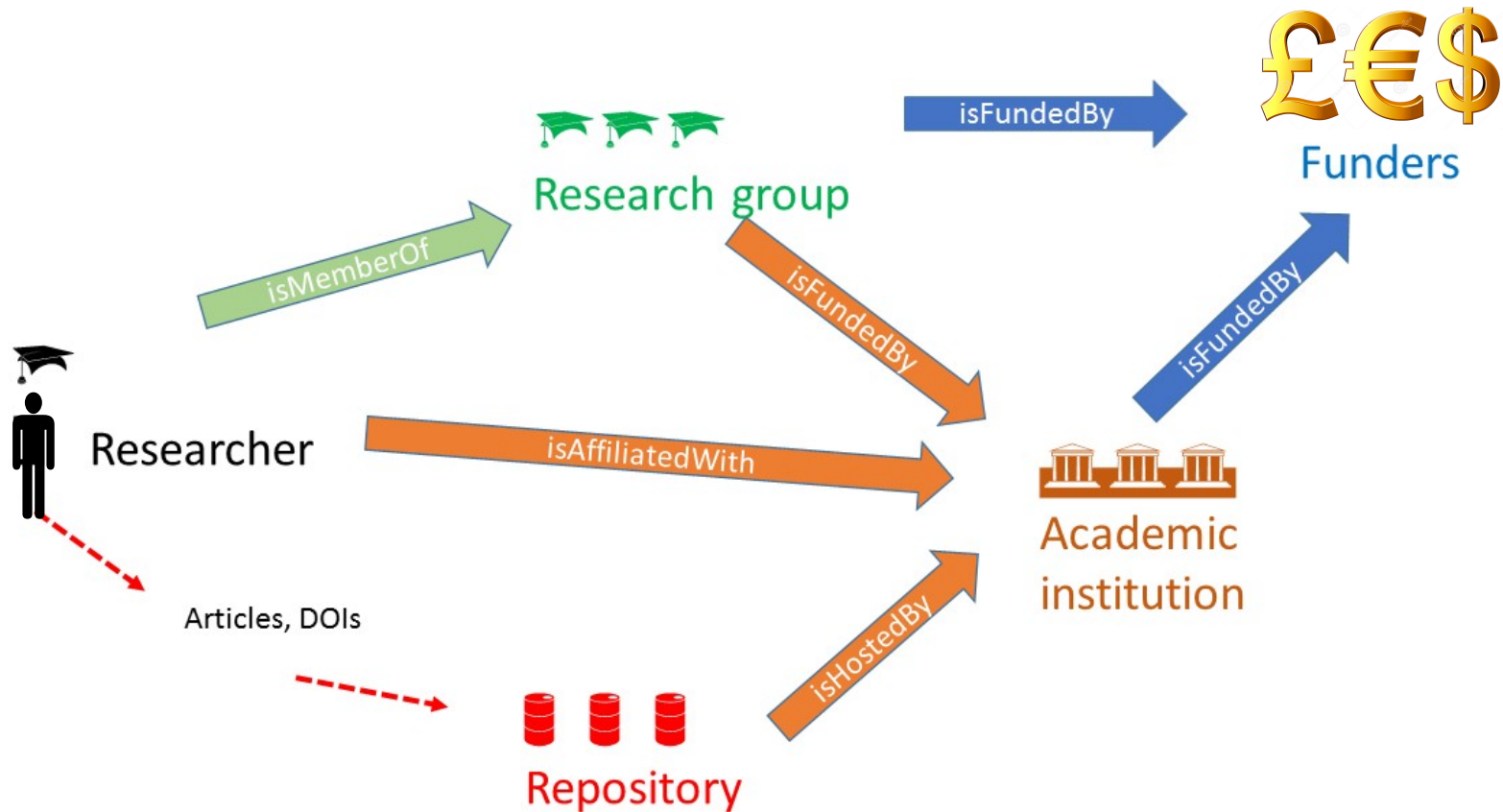


hasUnit,
supersedes
acquired
hosts
isPartneredWith.....

ISNIs for Research projects



ISNI Relationships for Research projects



Recommendations for ISNI

- Augment relationship types and display
- Indicate organization's own preferred form of name
- Publish ISNI ontology
- Add Turtle, N-Triple, JSON-LD as linked data options
- Create end user input form for organizations
- Create ISNIs for Organizations outreach document
- Engage organizations to maintain their public identity
- Encourage organizations to collaborate with ISNI Quality Team to diffuse corrections

Issues

- What level of granularity is needed?
- Who has responsibility to indicate “preferred name” for an institution?
- How to better reconcile name variants and related identities from different perspectives?
- How to encourage use of organizational ISNIs by publishers?
- How to encourage services to build on organizational ISNIs, or crosswalk to them?

Local organizational data maintenance issues

- Multiple source of records with various data quality
 - Enterprise Directory
 - Human Resource
 - Digital Measure
 - Library - Local authority records
- Used by ETD, IR, and ERP systems
- No consistent update or registry processes

Organization classes and properties

- W3C organization ontology
 - org:organization subclass of foaf:agent
 - Organization, Post, Site, ChangeEvent
 - organization classification: skos:Concept
- vivo-isf ontology
 - foaf:organization, vivo:position, vcard (with address)
 - vivo organization subclasses (organization types)
- ISNI data elements
 - class: organization, person, source, location
 - ISNI organization types
 - Name use attributes

Organizational relationship mapping

	W3C org ontology properties	ISNI org_org relationship	vivo-isf organization properties
hierarchical	hasUnit / unitOf	hasUnit /isUnitOf	has sub-Organization / organization within - faux property of "hasPart / partOf" (obo: BFO-0000051/50)
	hasSubOrganization / subOrganizationOf		
temporal	originalOrganization / resultingOrganization	supersedes / isSupersededBy	
horizontal	linkedTo	isAffiliatedWith (e.g. an institution, a band), isRelatedTo	vivo:affiliatedOrganization
		see also from	
roles	memberOf	acquire, host, govern, partner	bearer of (obo:RO_0000053/52) has role (obo:RO_0000087)

What few things must be the same so that everything else can be different?

Can the W3C org ontology serve as the baseline for all?

Have you looked at how *your* organization is represented in ISNI?

isni.org/search

Thank you!

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Together we make breakthroughs possible.