Institutional Identification in Scholarly Communication

Chicago Collaborative
November 9 2015
@RinggoldInc
Infrastructure for the new age of Scholarly Communications
What are we trying to connect?

**People:** Authors, Members, Editors, Readers, Researchers

**Things:** Ideas, Content, Research data, Grants, Citations

**Places:** Licensees, Publishers, Funders, Intermediaries

*Ringgold*  
*Clean Data. Confident Decisions.*
Where are we trying to move our ideas & our information?

- Around our organization
- To/from external partners
- To/from scholars around the globe
- Into the great unknown
What problems are we facing?

• Entity management:
  Jens-Peter Mueller or J-P. Müller?
  Uni Hannover or Hanover College?

• Discoverability: Users, librarians, researchers, students.

• Interoperability: Systems, languages, data silos based on functions.
Recommendations for a Smooth Journey

Improve your infrastructure

Ringgold
Clean Data, Confident Decisions.
Your passport to the world of institutions

- More than 400,000 institutions in scholarly communications & research
- All roles: Licensees, publishers, intermediaries, funders
- All sectors: .edu, .gov., .org, .com
- Global coverage

Problems solved: Entity management & interoperability
1. Disambiguate with the unique Ringgold ID

- Institutions with the same or similar names
- Institutions with multiple names: University of Oxford, Bodleian Library

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<th>Ringgold ID</th>
<th>Organization name</th>
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2. Identify Metadata

- Ringgold Identifier
- Name: official & alternatives
- Location
- URL/domain
- Size metrics
- Tier assignments: JISC, Carnegie, Ringgold
- Authentication: Athens, IPs
- Ringgold Type: sector & subject
- Links: Hierarchical & consortia

- ISNI matched to each Identify record
- Expanded descriptive metadata:
  - Granular subjects
  - Reach, sites
  - Economic model, governance
  - Level within hierarchy
  - Mission, description
  - Activity status
3. Identify Hierarchies: Relational Authority
Broad Adoption by the Scholarly Community

- ORCID
- Harvard-Smithsonian Center for Astrophysics
- Copyright Clearance Center
- ScholarOne
- Aries Systems
- More than 50+ publishers including
  - Elsevier
  - Wiley
  - Wolters Kluwer
  - AAAS
  - OUP
Bon Voyage: Journeys in Scholarly Communications

Three examples of institutional identifiers & structured data in action
1. Taylor & Francis: Normalizing in-house data

- **Challenge:** Overworked customer service, licensees frustrated
- **Underlying cause:** Duplicate and inaccurate customer records
- **Solution:** Applied Ringgold Identifiers to sold-to and licensed-to accounts

**Results:**

"If we still had all the previous problems, we'd need a customer service team that is double the size."

--Sarah Wright, Customer Services Director
ORCID: Joining people + places
ORCID: Results

Stats: As of September 2015:
  • 340,00+ ORCID records with educational affiliation
  • 327,000+ ORCID records with employment affiliation

Benefits already being realized:

  • Linking researchers to their thesis ID and degree-granting higher education institution
  • Tracking grantees and researchers across their research career
  • Supporting access to institutional resources
  • Enabling access to research findings supported by public funds
  • Providing unambiguous affiliation data during manuscript submission or grant application
  • Enabling credit to be given for peer review and other contributions

ORCID sees a future where additional identifiers and registries are linked together, further advancing the potential for connections.
Connecting multiple organizations & data sets

**Challenge:** Correct application of APC rules & discounts

- Multiple systems & data sources involved
- Complex criteria + complex institutional relationships

**Solution:** Get everyone speaking the same language
Solving the challenge of APC discounts

Publisher identifies institutions eligible for discount

Author affiliation entered in EM

Holds & administers pricing rules

Ringgold ID 12266

RightsLink for Open Access
Where are we going? Everywhere.

**Ringgold’s Mission**

To provide identifiers and structured data to power the efficient exchange of information throughout the scholarly research community.
Thank you

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