Sinopia & FOLIO: Bridging the gap to linked data cataloging

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Cornell Vision for Sinopia & FOLIO

- LD4L and LD4P partner
- Work on authority lookup (Questioning Authority) for Sinopia RDF editor
- Work on leveraging linked data to improve discovery
- Long-time partner in FOLIO collaboration
- Live with electronic resource management (ERM) in 2020
- Launched full FOLIO implementation July 2021

FOLIO + Sinopia = Path to maintain a portion of our catalog in BIBFRAME without separate systems or extra operational records. Appealing gradual migration options
Open-source LSP architecturally ready for multi-format catalogs:

- Key apps interact with Inventory app (Instance, Holdings, Items)
- Inventory kept in sync with Source Record Store
- MARC store implemented
- **Sinopia will provide** BIBFRAME store and edit
FOLIO with Sinopia, Entity Management, and feeding Discovery

See FOLIO MM SIG Entities App Vision
Sinopia Goals

Allow librarians and other metadata creators to:

- Get started quickly with creating linked data, without needing tool setup
- Explore cooperative cataloging in a linked data environment
- Develop best practices related to linked data creation
- Contribute feedback and expertise to tool development
Behind the name

“The preliminary drawing for a fresco or mural, named for the reddish-brown pigment traditionally used to draw or transfer it.”*

Sinopia is a sketch of what’s possible on the way to a full-fledged linked data production environment.

*http://www.lynnerutter.com/glossary.php

Who’s using Sinopia?

- About 800 unique users mainly from North America (English UX currently)
- Less than 10% from Europe
- 17 European countries represented: Austria, Belgium, Croatia, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Netherlands, Norway, Poland, Spain, Sweden, Switzerland, UK

Metadata activities

Create and manage external entities

Create bibliographic metadata

Discover and borrow resources

Acquire materials and metadata

Manage collections

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“Closing the loop”
Sinopia + FOLIO = Sinolio

- **Proof-of-concept** of connecting Sinopia metadata creation with ILS activities
- Sinopia and FOLIO compatibility
  - open source
  - similar technologies
  - FOLIO does not have RDF cataloging tool natively
- Build Sinopia **Middleware** to create an integration that can be applied to other ILSs
Sinopia Middleware

Sinopia Editor
- User clicks Transfer button
- User sees ILS ID

Sinopia API
- Generate message
- Send RDF resource
- Update RDF resource

Sinopia Middleware
- Message Queue
- Poll for message
- Get RDF resource
- Convert or map from RDF
- Request resource update

ILS API
- Create record
- Send record ID
Sinolio ETL Workflows

i. **Extract** RDF from Sinopia

ii. **Transform** into FOLIO Inventory Records

iii. **Load** through Okapi API

Apache Airflow:  
https://airflow.apache.org/

Sinopia ILS Middleware:  
https://github.com/ld4p/ils-middleware
To try Sinopia

- help.sinopia.io
- stage.sinopia.io