#### From Idea to Implementation: BIBFRAME Becomes Reality

# BIBFRAME Resource Description with Sinopia: New Data & New Opportunities



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# Implementation Plan

 $https://docs.google.com/document/d/1heSEuYO\_9fry764ywAZak2Zc5J5vpvMB-zqEg4cAPY8/edit?usp=sharing$ 

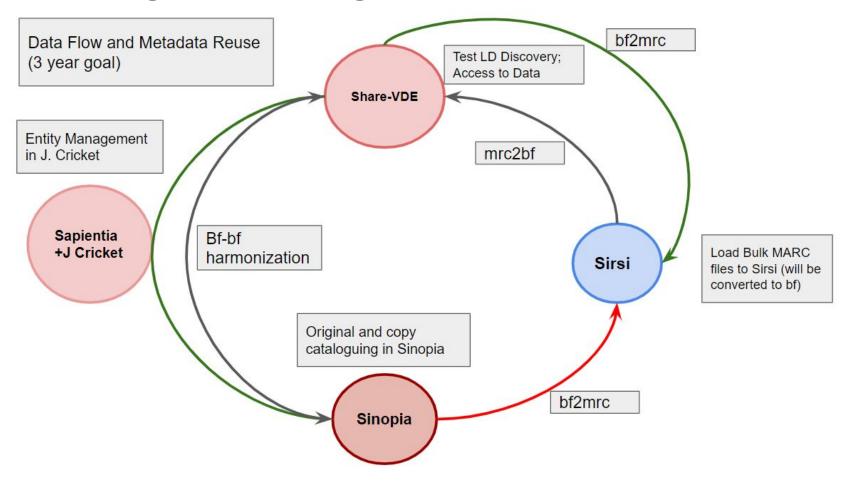
#### Requirement: Cataloguing Editor for Linked Data

For those working on implementation, need to move beyond converting data and start describing resources in RDF (BIBFRAME more specifically in this case).

Simple enough right? Except:

- New technology
- New data
- Complex transitional environment
  - Need to support new and legacy systems

#### **Connecting systems through transition**





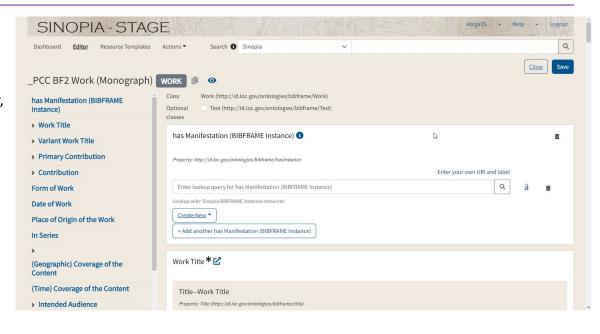
- Developed as part of the Linked Data for Libraries (LD4P) grant series funded by the Mellon Foundation
- Linked data creation environment
  - Linked data template maker & editor
  - Lookups to linked vocabularies via Questioning Authority (QA)
  - Database of templates & descriptions created by members
- Open source
  - Web-based
  - Anyone may join
    - "group membership" allows for restrictions on editing & saving, but not on re-use of templates or descriptions



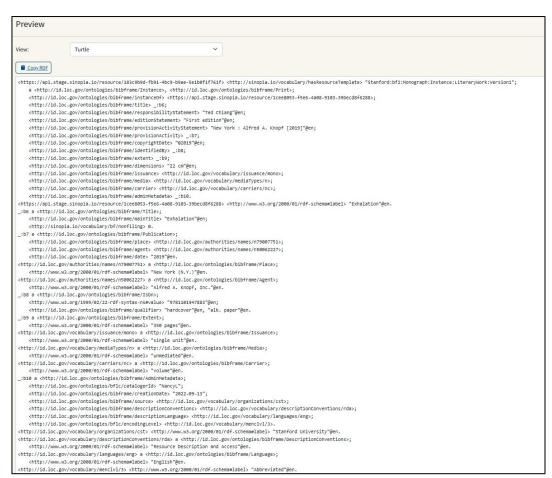
stage.sinopia.io sinopia.io



- Templates may use any RDF-based ontology, though the database search favors BIBFRAME and to a lesser extent RDA/RDF
- UAL uses BIBFRAME as its base ontology, with the Library of Congress extension (bflc), along with the Program for Cooperative Cataloging (PCC)
- Templates also act as metadata application profiles for their users
  - Properties/classes to be used
  - Modeling of RDF
  - Required/Repeatable/Ordered
  - Vocabularies
  - Defaults
  - Links to content standards (e.g., RDA)
  - · Other help information

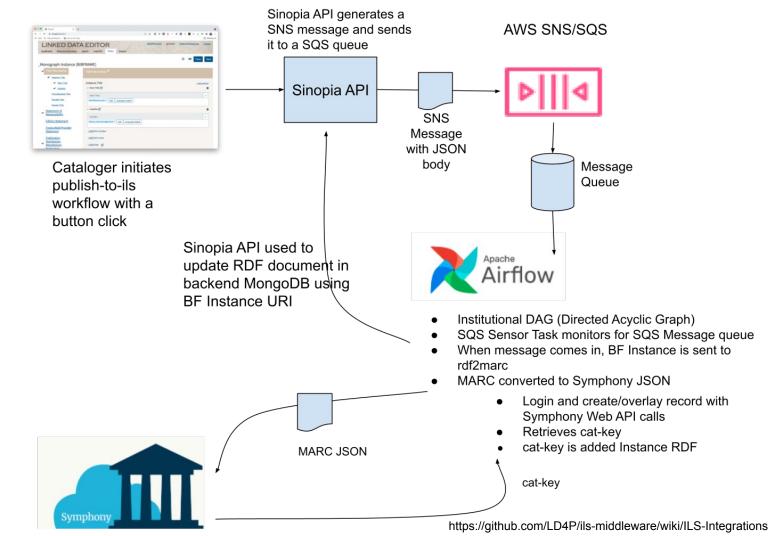


#### **New Data**



### BIBFRAME RDF output from Sinopia

#### Sinopia MiddleWare

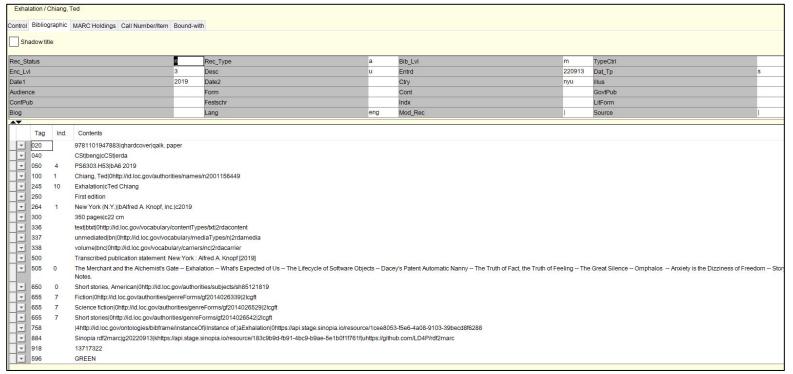


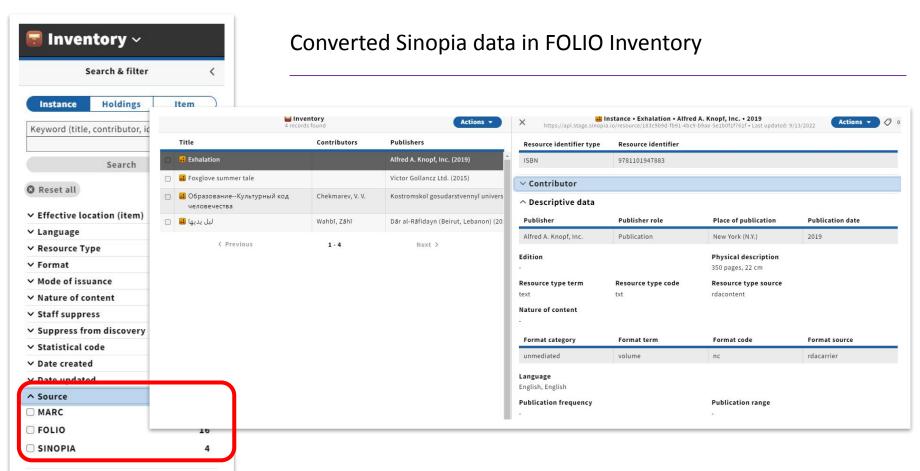
#### Sinopia MARC Output

```
Copy MARC
LEADER 01756nam a22002653u 4500
008 220913s2019
                  nyu
                                       eng
       $a 9781101947883 $q hardcover $q alk. paper
      $a CSt $b eng $c CSt $e rda
    4 $a PS6303.H53 $b A6 2019
      $a Chiang, Ted $0 http://id.loc.gov/authorities/names/n2001156449
245 10 $a Exhalation $c Ted Chiang
       $a First edition
264 1 $a New York (N.Y.) $b Alfred A. Knopf, Inc. $c 2019
       $a 350 pages $c 22 cm
       $a text $b txt $0 http://id.loc.gov/vocabulary/contentTypes/txt $2 rdacontent
       $a unmediated $b n $0 http://id.loc.gov/vocabulary/mediaTypes/n $2 rdamedia
       $a volume $b nc $0 http://id.loc.gov/vocabulary/carriers/nc $2 rdacarrier
       $a Transcribed publication statement: New York : Alfred A. Knopf [2019]
      $a The Merchant and the Alchemist's Gate -- Exhalation -- What's Expected of Us -- The Lifecycle of Software Objects -- Dacey's Patent Automatic Nanny -- The Truth of Fact, the Truth of Feelin
       $a Short stories, American $0 http://id.loc.gov/authorities/subjects/sh85121819
     7 $a Fiction $0 http://id.loc.gov/authorities/genreForms/gf2014026339 $2 lcgft
     7 $a Science fiction $0 http://id.loc.gov/authorities/genreForms/gf2014026529 $2 lcgft
     7 $a Short stories $0 http://id.loc.gov/authorities/genreForms/gf2014026542 $2 lcgft
       $4 http://id.loc.gov/ontologies/bibframe/instanceOf $i Instance of: $a Exhalation $0 https://api.stage.sinopia.io/resource/1cee8053-f5e6-4a08-9103-39becd8f6288
       $a Sinopia rdf2marc $g 20220913 $k https://api.stage.sinopia.io/resource/183c9b9d-fb91-4bc9-b9ae-5e1b0f1f761f $u https://github.com/LD4P/rdf2marc
```

BF Instance for a book (Stanford:bf2:Monograph:Instance)

#### Output in SIRSI Symphony





∨ Tags

#### Sinopia

- Original and copy cataloguing with BIBFRAME
- Connection with Share-VDE to populate a larger data pool, including the PCC data pool
- Send bf: data to OCLC in RDF
- Sinopia Middleware allowing for BIBFRAME to generate MARC for use in existing ILS

This means that we can look forward to changing original and copy cataloguing workflows to Sinopia (BIBFRAME), while still populating our Sirsi MARC dataset, and contributing to PCC.

#### **New Opportunities**



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Search all content...

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Options <</p>

Galileo Galilei

"Sidereus nuncius"



Volume 0

#### **Sidereus nuncius**

#### Astronomical treatise of Galileo.

Sidereus nuncius, or, The Sidereal messenger (Volume in English, published in 1989.)

Sidereus Nuncius is a short astronomical treatise published in New Latin by Galileo Galilei on March 13, 1610. It was the first published scientific work based on observations made through a telescope, and it contains the results of Galileo's early observations of the imperfect and mountainous Moon, the hundreds of stars that were unable to be seen in either the Milky Way or certain constellations with the naked eye, and the Medicean Stars that appeared to be circling Jupiter. - Wikipedia

This is part of the series Early European books, Early English books, 1641-1700, Warnock library, Classici Ricciardi, Early English books online, Saggi per il nostro tempo, Science et humanisme, and Ursan julkaisuja.

More options >



## Thank You! Hopefully this ruff overview has been helpful



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While Nancy couldn't be here, she provided an excellent presentation on the amazing work at Stanford at the BIBFRAME Workshop in Europe, which can be found here: <a href="https://www.casalini.it/bfwe2022/">https://www.casalini.it/bfwe2022/</a> \*Thank you Nancy for reuse of some of the slides from this talk