

Closing Loops



Moving to Metadata Production in BIBFRAME at Stanford Libraries

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BFWF 2022



Sinopia Enhancements

Templates



Sinopia

- 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

SINOPIA

NancyL • Linked Data Editor • Help •

Latest news

Sinopia Version 3.17.5 highlights

For complete release notes see the [Sinopia help site](#).

- Language detection and suggestion
- Sinopia/Symphony integration for Stanford users
- Templates are included in Sinopia search
- Can set literal field to default to current date or userID

stage.sinopia.io
sinopia.io



Sinopia

- Templates may use any RDF-based ontology, though the database search favors BIBFRAME and to a lesser extent RDA/RDF
- Stanford 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





































The screenshot shows the SINOPIA - STAGE web interface. At the top, there's a navigation bar with "Dashboard", "Editor", "Resource Templates", "Actions", and a search bar containing "Sinopia". The main content area is titled "Stanford BF2 Instance (Book)" and includes a "INSTANCE" button. A left sidebar lists various metadata sections: Instance of, Title Information, Variant, Parallel & Transliterated Titles, Statement of Responsibility, Edition Statement, Transcribed Provider Statement, Publication Information, Distribution, Manufacture & Production Information, Copyright Date, Series Statement, Identifiers, Note about the Instance, Extent, Dimensions, Mode of Issuance, Media type, Carrier type, Uniform Resource Locator, Related Manifestation, and Digital File Type. The main area displays "Class" information for "Instance" and "Optional classes" like "Electronic", "Manuscript", and "Print". Below this is a form for "Instance of" with a search box and a "Create New" button. The "Title Information" section is expanded, showing a "Title-Instance Title" field with a search box and a "Title proper" field with a search box. A note at the bottom of the title section says "Non filing character count for title proper".

Permissions

SINOPIA - STAGE NancyL · Help · Logout

Dashboard Editor Resource Templates Actions ▾ Search *

Recent templates

Label / ID	Resource URI	Author	Group	Date	Guiding statement	Actions
_Stanford BF2 Work (Book) Stanford:bf2:Monograph:Work	http://id.loc.gov/ontologies/bibframe/Work	Stanford	Stanford Template Managers	Nov 8, 2021	For books (single or multi-volume) & e-books	   
_Stanford BF2 Instance (Book) Stanford:bf2:Monograph:Instance	http://id.loc.gov/ontologies/bibframe/Instance	Stanford	Stanford Template Managers	Nov 8, 2021	For books (single or multi-volume) & e-books	   
Instance (TEST only) stanford:test:Instance	http://id.loc.gov/ontologies/bibframe/Instance	NEL	Stanford Template Managers	Sep 13, 2022		   
Digital Characteristics trial:bf2:DigitalCharacteristic	http://id.loc.gov/ontologies/bibframe/DigitalCharacteristic	PCC	PCC Template Managers	Aug 26, 2022		   
Digital encoding format Stanford:bf2:DigitalCharacteristics:EncodingFormat	http://id.loc.gov/ontologies/bibframe/EncodingFormat	Stanford	Stanford Template Managers	Jan 10, 2022		   
_Stanford BF2 Instance (Moving Image Video) Stanford:bf2:MovingImageDVD:Instance	http://id.loc.gov/ontologies/bibframe/Instance	Stanford Libraries	Stanford Template Managers	Feb 8, 2022	For moving image DVDs and other video resources such as video tapes and streaming video. (Note: The optional class "Electronic" is only to be used with video resources that are intended to be used with a computer, accessed either directly or remotely.)	   
_Stanford BF2 Instance (Literary Work) Version 1 Stanford:bf2:Monograph:Instance:LiteraryWork:Version1	http://id.loc.gov/ontologies/bibframe/Instance	Stanford	Stanford Template Managers	Aug 14, 2022	For printed literary works (= "belles lettres")	   
_Stanford BF2 Work (Literary Work) Version 1 Stanford:bf2:Monograph:Work:LiteraryWork:Version1	http://id.loc.gov/ontologies/bibframe/Work	Stanford	Stanford Template Managers	Aug 10, 2022	For literary works (e.g., novels) = "belles lettres"	   
_PCC BF2 Instance (Serial) pcc:bf2:Serial:Instance	http://id.loc.gov/ontologies/bibframe/Instance	PCC	PCC Template Managers	Oct 20, 2020		   

Addition of Literal Attributes

- *Defaults*
- Regular expressions for validation
- Data types for validation
- Property attributes

▼ **Literal attributes (if a literal)** ⓘ

Literal attributes

Property: <http://sinopia.io/vocabulary/hasLiteralAttributes>

Class: <http://sinopia.io/vocabulary/LiteralPropertyTemplate>

+ Add **Defaults** ⓘ

+ Add **Validation Regular Expression** ⓘ

+ Add **Validation Data Type** ⓘ

+ Add **Literal property attributes** ⓘ

Literal Attributes

Literal attributes

Property: <http://sinopia.io/vocabulary/hasLiteralAttributes>
Class: <http://sinopia.io/vocabulary/LiteralPropertyTemplate>

+ Add Defaults ⓘ

+ Add Validation Regular Expression ⓘ

▼ Validation Data Type ⓘ

Property: <http://sinopia.io/vocabulary/hasValidationDataType>

Select Validation Data Type

Select Validation Data Type

literal validation data type

+ Date and time with or without timezone (xsd:dateTime)

Date and time with required timezone (xsd:dateTimeStamp)

Extended Date/Time Format (EDTF)

Integer (xsd:integer)

+ Add L

Literal attributes

Property: <http://sinopia.io/vocabulary/hasLiteralAttributes>
Class: <http://sinopia.io/vocabulary/LiteralPropertyTemplate>

+ Add Defaults ⓘ

+ Add Validation Regular Expression ⓘ

> Validation Data Type ⓘ

▼ Literal property attributes ⓘ

Property: <http://sinopia.io/vocabulary/hasLiteralPropertyAttributes>

Select Literal property attributes

Select Literal property attributes



literalPropertyAttribute

date default

user ID default

Selectable Subclasses & Properties

Class	Instance (http://id.loc.gov/ontologies/bibframe/Instance)
Optional classes	<input type="checkbox"/> http://id.loc.gov/ontologies/bibframe/Electronic
	<input type="checkbox"/> http://id.loc.gov/ontologies/bibframe/Manuscript
	<input type="checkbox"/> http://id.loc.gov/ontologies/bibframe/Print

Date of Work  

Property

Enter a literal

Date of Work

Date of Work or Expression (<http://id.loc.gov/ontologies/bibframe/originDate>)

Date of Work or Expression (<http://id.loc.gov/ontologies/bibframe/originDate>)

Date of Legal Work (<http://id.loc.gov/ontologies/bibframe/legalDate>)

Title--Instance Title

Property: <http://id.loc.gov/ontologies/bibframe/title>

Class: <http://id.loc.gov/ontologies/bibframe/Title>

▼ Title proper*



Property: <http://id.loc.gov/ontologies/bibframe/mainTitle>

Enter a literal

ä

en



▼ Non-filing character count for title proper*



Property: [Nonfiling Indicator \(http://sinopia.io/vocabulary/bf/nonfiling\)](http://sinopia.io/vocabulary/bf/nonfiling)

Enter an integer

ä



+ Add **Other title information** 

+ Add **Part number**

+ Add **Part name**

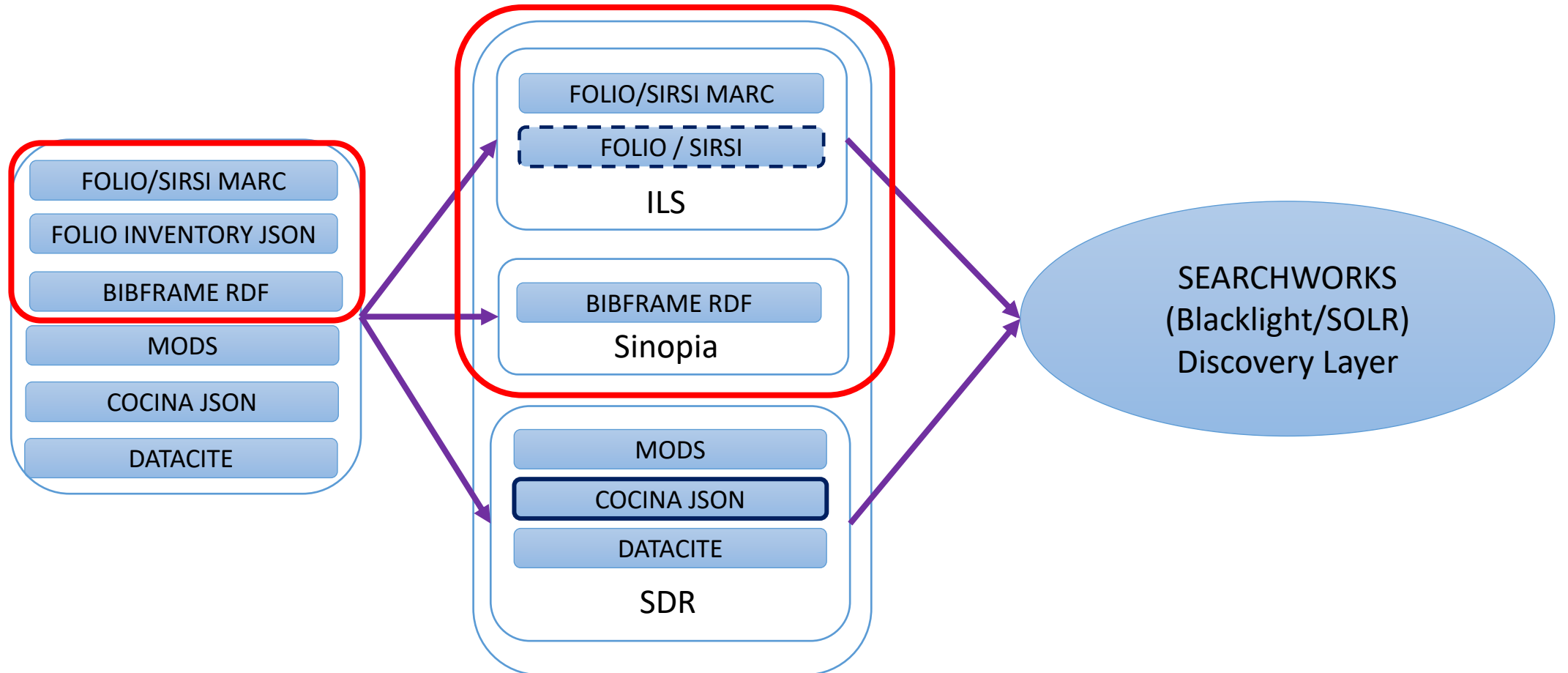
+ Add **Title note** 



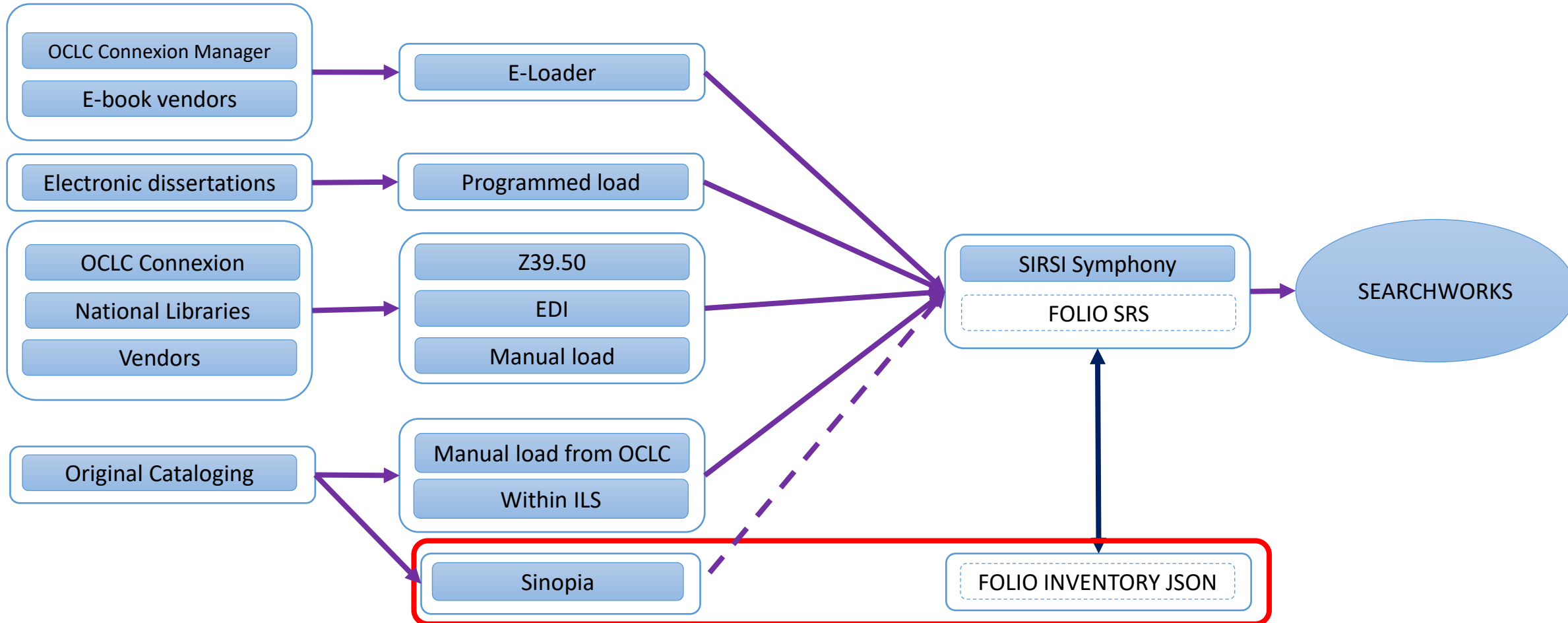
Building Cataloging Workflows



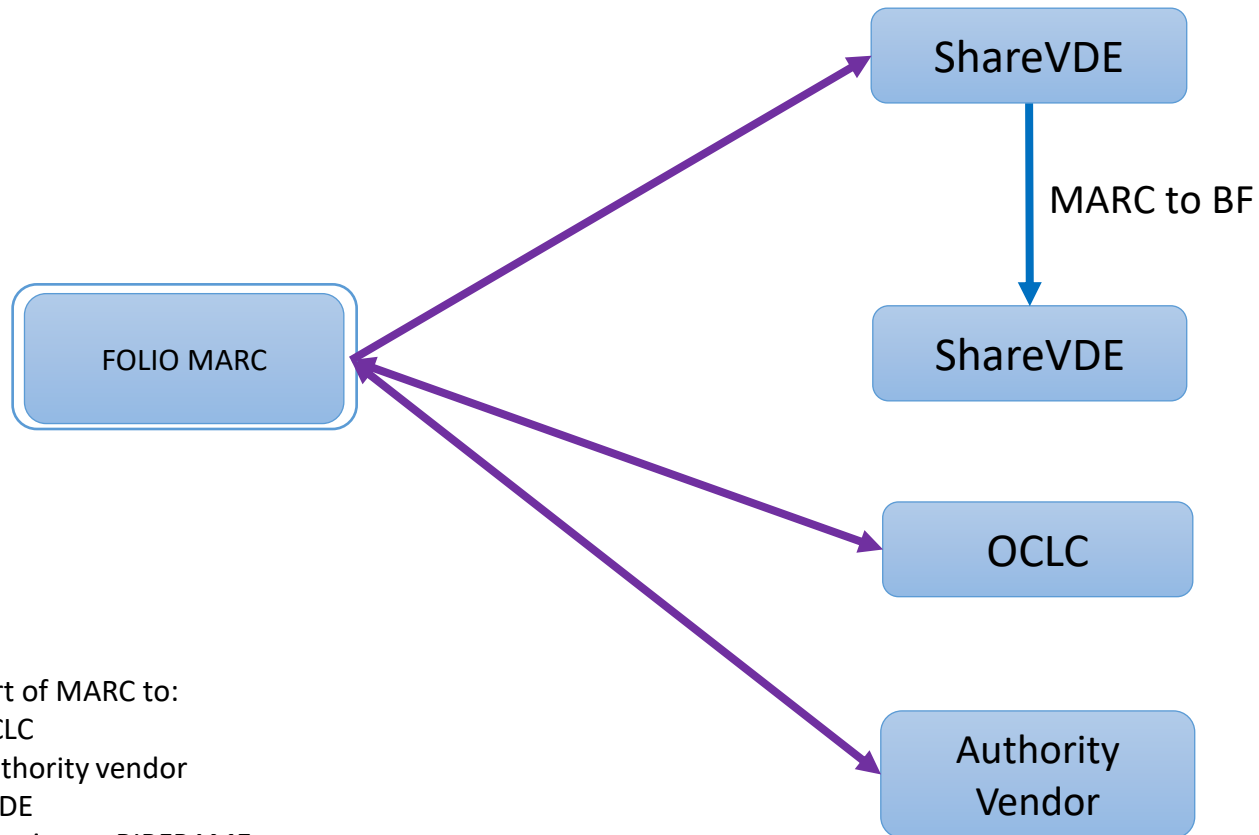
Internal Metadata Ecosystem—Very High Level



MARC Workflows for Metadata Loading, Creation, Remediation (ILS)



Exporting MARC beyond Stanford



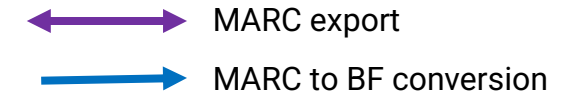
Export of MARC to:

- OCLC
- Authority vendor
- SVDE

Conversion to BIBFRAME

- SVDE

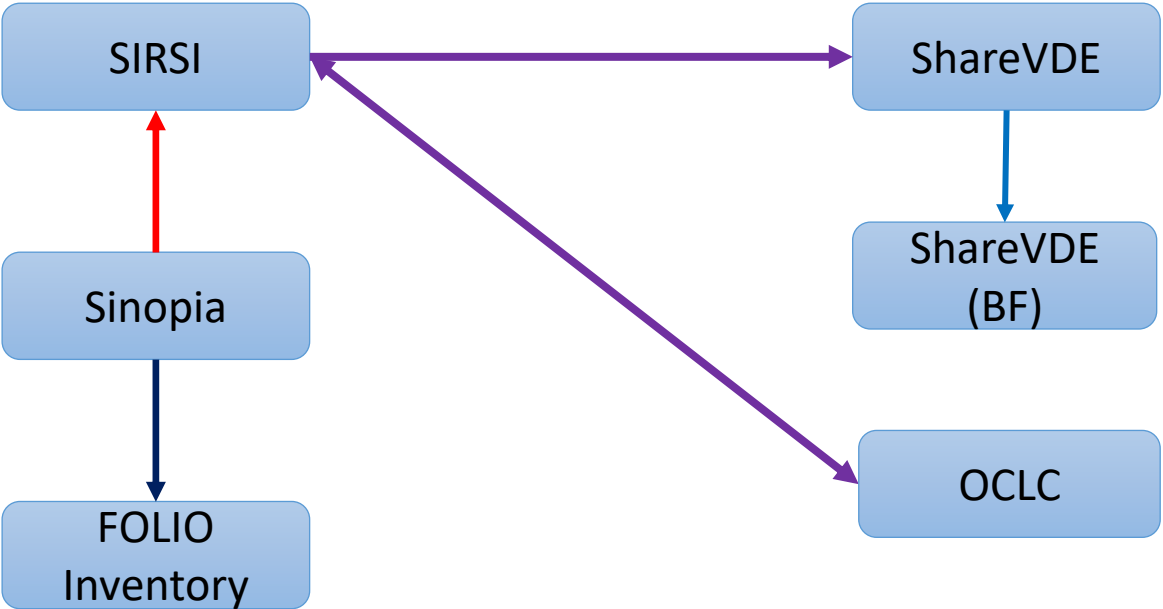
Export Workflows







ShareVDE = Share Virtual Discovery Environment

- a library-driven initiative which brings together the bibliographic catalogues and authority files of a community of libraries in a shared discovery environment based on linked data

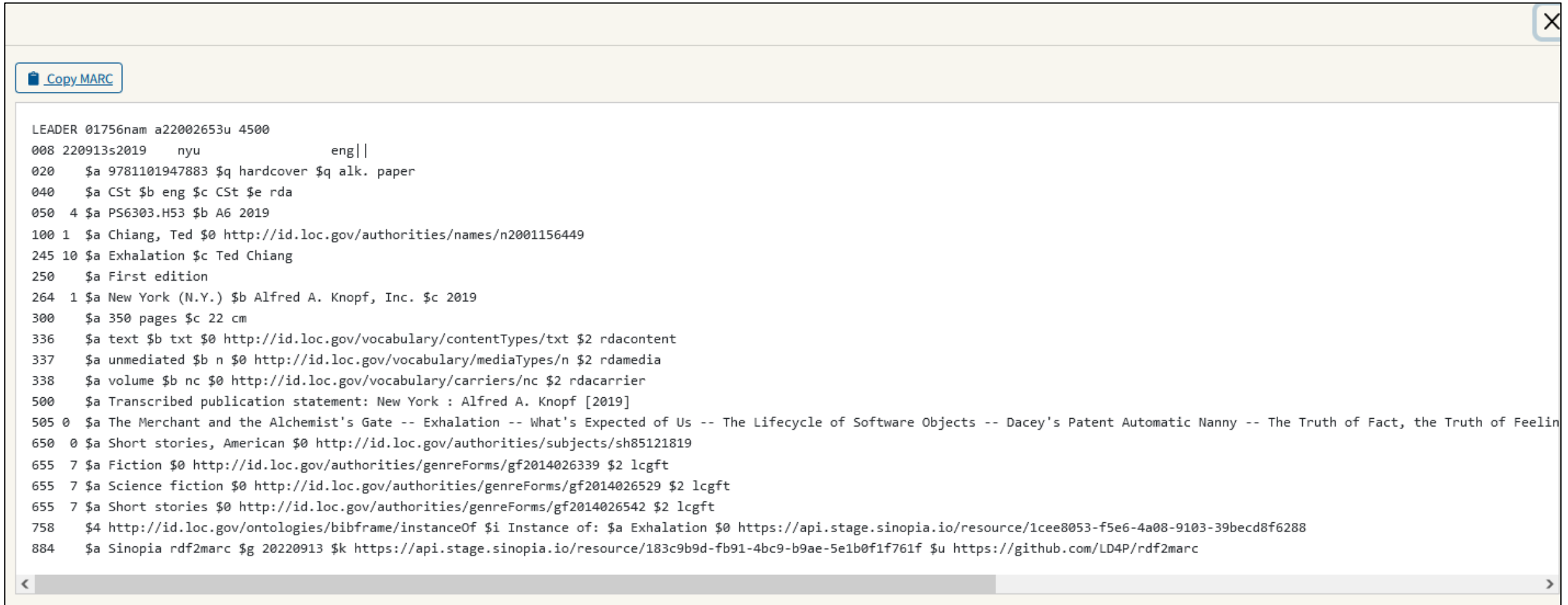
Export from Sinopia to ILS (MARC)



Sinopia Import & Export Workflows

-  MARC export
-  MARC to BF conversion
-  BF to MARC (rdf2marc)
-  BF to Inventory (rdf2folio)

Sinopia MARC Output



```
LEADER 01756nam a22002653u 4500
008 220913s2019 nyu eng||
020 $a 9781101947883 $q hardcover $q alk. paper
040 $a CSt $b eng $c CSt $e rda
050 4 $a PS6303.H53 $b A6 2019
100 1 $a Chiang, Ted $0 http://id.loc.gov/authorities/names/n2001156449
245 10 $a Exhalation $c Ted Chiang
250 $a First edition
264 1 $a New York (N.Y.) $b Alfred A. Knopf, Inc. $c 2019
300 $a 350 pages $c 22 cm
336 $a text $b txt $0 http://id.loc.gov/vocabulary/contentTypes/txt $2 rdacontent
337 $a unmediated $b n $0 http://id.loc.gov/vocabulary/mediaTypes/n $2 rdamedia
338 $a volume $b nc $0 http://id.loc.gov/vocabulary/carriers/nc $2 rdacarrier
500 $a Transcribed publication statement: New York : Alfred A. Knopf [2019]
505 0 $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
650 0 $a Short stories, American $0 http://id.loc.gov/authorities/subjects/sh85121819
655 7 $a Fiction $0 http://id.loc.gov/authorities/genreForms/gf2014026339 $2 lcgft
655 7 $a Science fiction $0 http://id.loc.gov/authorities/genreForms/gf2014026529 $2 lcgft
655 7 $a Short stories $0 http://id.loc.gov/authorities/genreForms/gf2014026542 $2 lcgft
758 $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
884 $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 SIRS I Symphony

Exhalation / Chiang, Ted

Control Bibliographic MARC Holdings Call Number/Item Bound-with

Shadow title

Rec_Status	a	Rec_Type	a	Bib_Lvl	m	TypeCtrl	
Enc_Lvl	3	Desc	u	Entrd	220913	Dat_Tp	s
Date1	2019	Date2		Ctry	nyu	Illus	
Audience		Form		Cont		GovtPub	
ConfPub		Festschr		Indx		LitForm	
Biog		Lang	eng	Mod_Rec	l	Source	l

Tag	Ind.	Contents
020		9781101947883 qhardcover qalk. paper
040		CSt beng cCSt erda
050	4	PS6303.H53 bA6 2019
100	1	Chiang, Ted 0http://id.loc.gov/authorities/names/n2001156449
245	10	Exhalation cTed Chiang
250		First edition
264	1	New York (N.Y.) bAlfred A. Knopf, Inc. c2019
300		350 pages c22 cm
336		text btxt 0http://id.loc.gov/vocabulary/contentTypes/txt 2rdacontent
337		unmediated bn 0http://id.loc.gov/vocabulary/mediaTypes/n 2rdamedia
338		volume bnc 0http://id.loc.gov/vocabulary/carriers/nc 2rdacarrier
500		Transcribed publication statement: New York : Alfred A. Knopf [2019]
505	0	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 Feeling -- The Great Silence -- Omphalos -- Anxiety is the Dizziness of Freedom -- Stor Notes.
650	0	Short stories, American 0http://id.loc.gov/authorities/subjects/sh85121819
655	7	Fiction 0http://id.loc.gov/authorities/genreForms/gf2014026339 2lcgft
655	7	Science fiction 0http://id.loc.gov/authorities/genreForms/gf2014026529 2lcgft
655	7	Short stories 0http://id.loc.gov/authorities/genreForms/gf2014026542 2lcgft
758		4http://id.loc.gov/ontologies/bibframe/instanceOf instanceOf: aExhalation 0https://api.stage.sinopia.io/resource/1cee8053-f5e6-4a08-9103-39becd8f6288
884		Sinopia rdf2marc g20220913 khttps://api.stage.sinopia.io/resource/183c9b9d-fb91-4bc9-b9ae-5e1b0f1f761f uhttps://github.com/LD4P/rdf2marc
918		13717322
596		GREEN

Output in Share-VDE (Work & Publication)

Ted Chiang > "Short stories. Selections (Exhalation)"

Original work ⓘ

Short stories. Selections (Exhalation)

Fiction/novel/short stories written by [Ted Chiang](#) in 2019.

Also known as: 舍; Exhalation; Hu xi; Sum; 呼吸

More options ▾

Publications of this Related agents

Filter publications... | Q | Publication year | Format | Publication place | Contributor | Language

5 results

Sort by (A - Z) ▾

- 1 [Suuri huokaus \(In Finnish, published in 2009.\)](#)
Contributors:
 - Matti Rosvall (other)
 - Ted Chiang (author)
- 2 [Exhalation \(Volume in English, published in 2019.\)](#)
Contributors:
 - Picador (publisher)
 - Sabin W. Colton, Jr., Memorial Fund (other)
 - Ted Chiang (author)

Ted Chiang > "Short stories. Selections" > "Exhalation" (2019 edition in English)

Publication ⓘ

Exhalation

Volume. Published in English in 2019 in New York by [Alfred A. Knopf, Inc.](#)

Contributors
[Sabin W. Colton, Jr., Memorial Fund](#)

ISBN: 9781101947883
Identifier: p1061654874526562
Notes: "This is a Borzoi book"--Title page verso.
Bibliographic level: Monograph
Cataloging source: DLC
Descriptive cataloging form: ISBD
Dimension: 22 cm
Edition statement: First edition.
Encoding level: Full
Extent: 350 pages ;
Record status: Corrected or revised, Increase in encoding level from prepublication
Responsibility statement: Ted Chiang.
System control number: (CaONFJC)67201070, (OCoLC)1043306168

Available at 2 libraries ▾ More options ▾

[UPenn Libraries](#) [Stanford Libraries](#)

Related agents | Subjects

Filter agents... | Q | Location | Type

3 results

Sort by (A - Z) v

- 1 **Sabin W. Colton, Jr., Memorial Fund (Organization)**
Location: \emptyset
Relationship: other
- 2 **Ted Chiang (Person, Born in 1967.)**
Location: Born in Port Jefferson (N.Y.).
Relationship: author
- 3 **Alfred A. Knopf, Inc (Organization)**
Location: New York (N.Y.)
Relationship: publisher

Person

Ted Chiang

American science fiction writer. Born in 1967 in Port Jefferson (N.Y.).

Ted Chiang is an American science fiction writer. His work has won four Nebula awards, four Hugo awards, the John W. Campbell Award for Best New Writer, and six Locus awards. His short story "Story of Your Life" was the basis of the film Arrival (2016). He was an artist in residence at the University of Notre Dame in 2020/2021. - Wikipedia

More options v

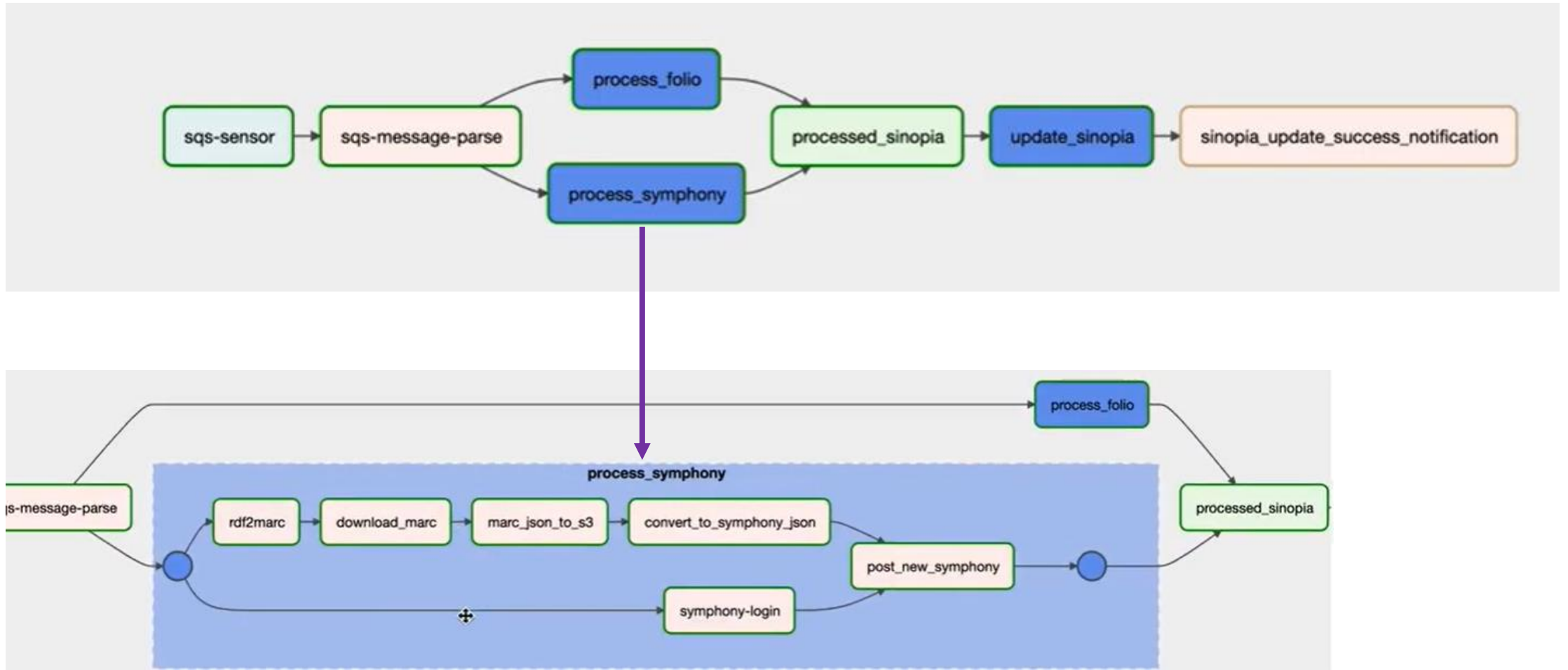
Original works by | Publications by | Original works about

Filter original works... | Q | Year | Creator | Genre

12 results

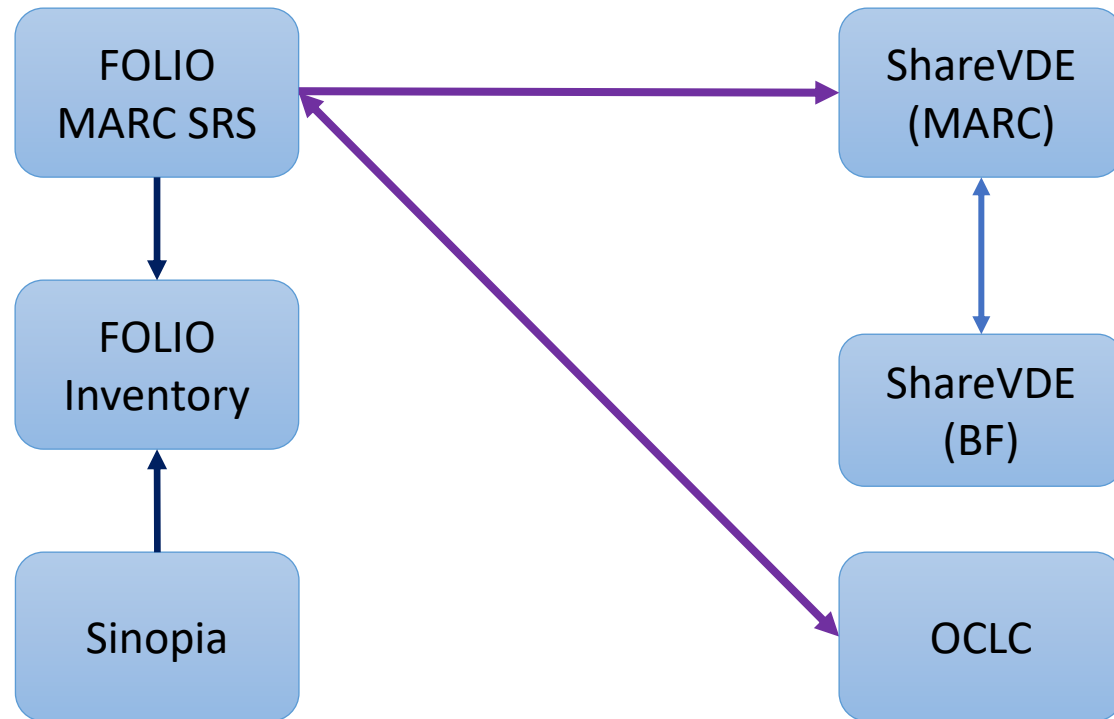
No.	Title	Year	Genre	Creators
1	Penguin book of the modern American short story		Short stories	<ul style="list-style-type: none"> Raymond Carver (author) Rick Bass (author) Jhumpa Lahiri (author) Stuart Dybek (author) Alice Walker (author) Tobias Wolff (author) Percival Everett (author) George Saunders (author) Chimamanda Ngozi Adichie (author) Ted Chiang (author)
2	Tower of Babylon			Ted Chiang (author)
3	Seventy-two letters			Ted Chiang (author)
4	Hell is the absence of God			Matti Rosvall (other)

RDF2MARC Conversion Process



See https://www.youtube.com/watch?v=8ccPVkzMSOo&ab_channel=StanfordUniversityLibrariesDigitalLibrarySystems%26Services for more in depth explanation!

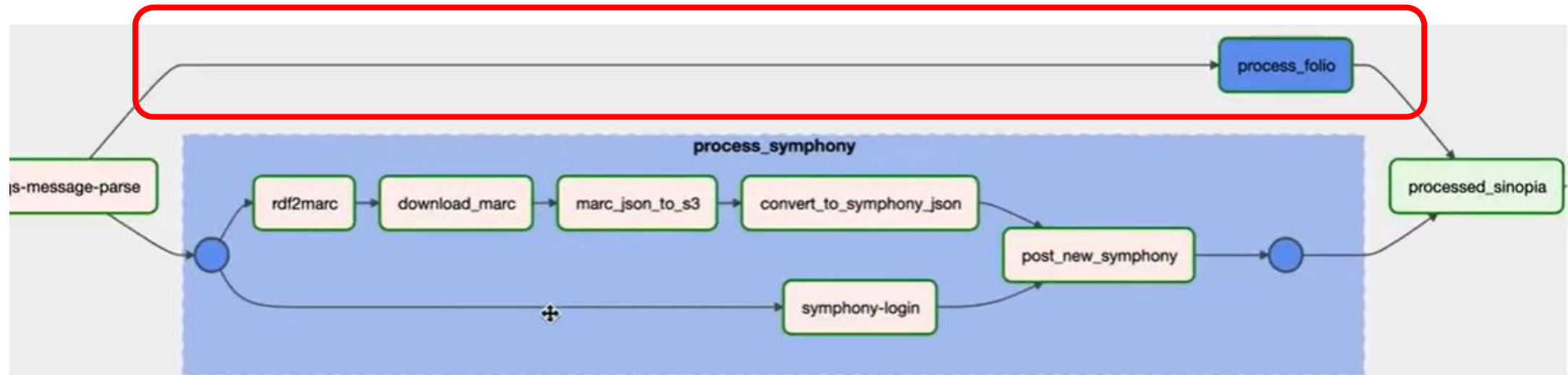
And as we move to FOLIO...



Sinopia Import & Export Workflows

-  MARC export
-  MARC to BF conversion
-  BF to Inventory (rdf2folio)
-  BF export

FOLIO Conversion Process



See https://www.youtube.com/watch?v=8ccPVkzMSOo&ab_channel=StanfordUniversityLibrariesDigitalLibrarySystems%26Services for more in depth explanation!

Converted Sinopia data in FOLIO Inventory

Inventory ▾

Search & filter <

Instance | **Holdings** | Item

Keyword (title, contributor, id)

Search

✕ Reset all

- Effective location (item)
- Language
- Resource Type
- Format
- Mode of issuance
- Nature of content
- Staff suppress
- Suppress from discovery
- Statistical code
- Date created
- Date updated
- Source**
 - MARC
 - FOLIO 16
 - SINOPIA 4
- Tags

Inventory 4 records found

Title	Contributors	Publishers
<input type="checkbox"/> 📖 Exhalation		Alfred A. Knopf, Inc. (2019)
<input type="checkbox"/> 📖 Foxglove summer tale		Victor Gollancz Ltd. (2015)
<input type="checkbox"/> 📖 Образование--Культурный код человечества	Chekmarev, V. V.	Kostromskoĭ gosudarstvennyĭ univers
<input type="checkbox"/> 📖 ليل يديها	Wahbī, Zāhī	Dār al-Rāfidayn (Beirut, Lebanon) (20

< Previous 1 - 4 Next >

https://api.stage.sinopia.io/resource/183c9b9d-fb91-4bc9-b9ae-5e1b0f1f761f • Last updated: 9/13/2022

Resource identifier type	Resource identifier
ISBN	9781101947883

Contributor

Descriptive data

Publisher	Publisher role	Place of publication	Publication date
Alfred A. Knopf, Inc.	Publication	New York (N.Y.)	2019

Edition - Physical description 350 pages, 22 cm

Resource type term	Resource type code	Resource type source
text	txt	rdacontent

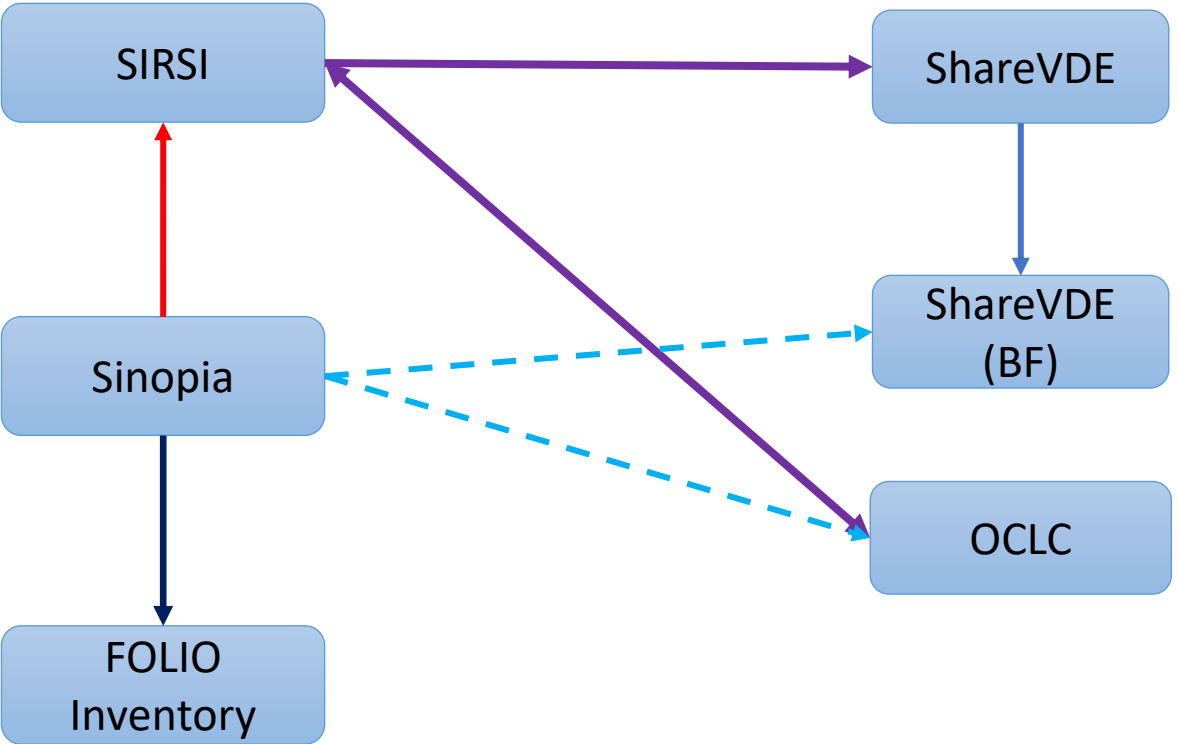
Nature of content -

Format category	Format term	Format code	Format source
unmediated	volume	nc	rdacarrier






Language English, English

Publication frequency - Publication range -

Export from Sinopia (BF)



Sinopia Import & Export Workflows

-  MARC export
-  MARC to BF conversion
-  BF to MARC (rdf2marc)
-  BF to Inventory (rdf2folio)
-  BF export (API)

Preview

View:

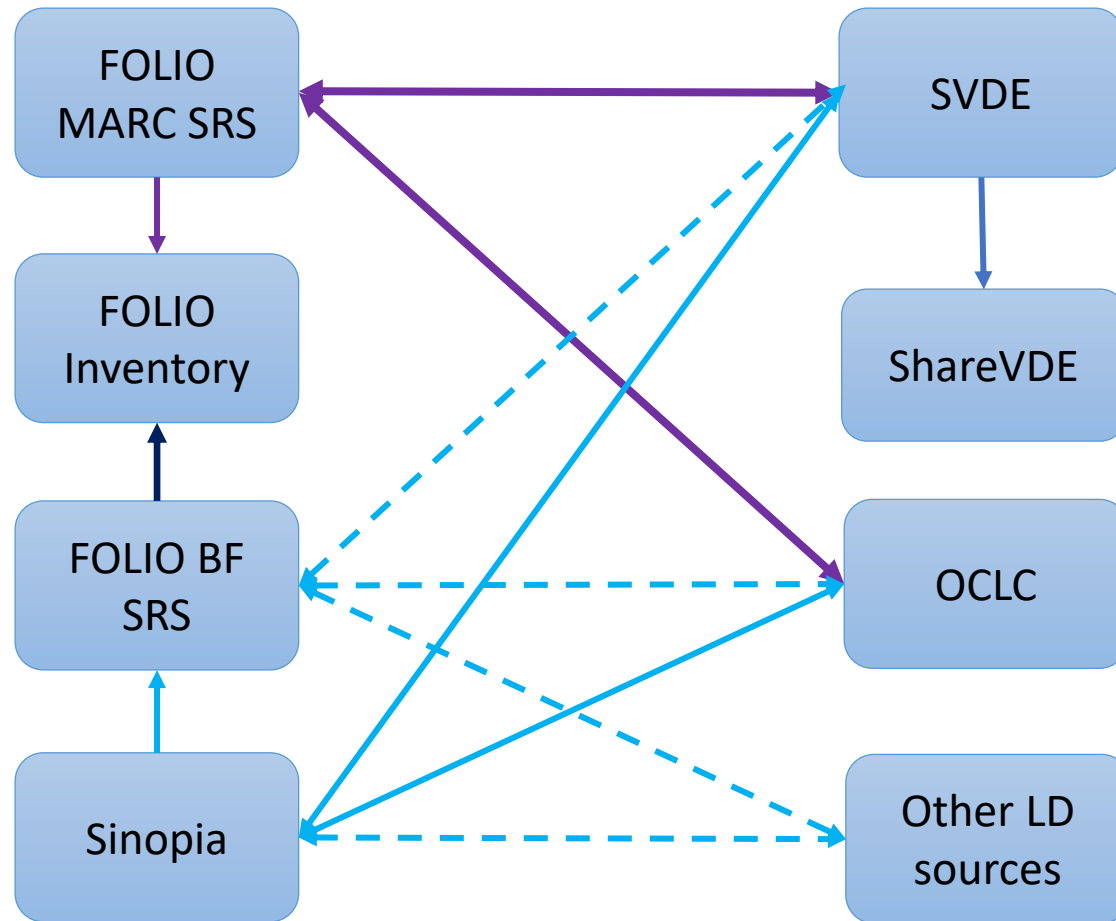
Turtle

 Copy RDF

```
<https://api.stage.sinopia.io/resource/183c9b9d-fb91-4bc9-b9ae-5e1b0f1f761f> <http://sinopia.io/vocabulary/hasResourceTemplate> "Stanford:bf2:Monograph:Instance:LiteraryWork:Version1";
  a <http://id.loc.gov/ontologies/bibframe/Instance>, <http://id.loc.gov/ontologies/bibframe/Print>;
  <http://id.loc.gov/ontologies/bibframe/instanceOf> <https://api.stage.sinopia.io/resource/1cee8053-f5e6-4a08-9103-39becd8f6288>;
  <http://id.loc.gov/ontologies/bibframe/title> _:b6;
  <http://id.loc.gov/ontologies/bibframe/responsibilityStatement> "Ted Chiang"@en;
  <http://id.loc.gov/ontologies/bibframe/editionStatement> "First edition"@en;
  <http://id.loc.gov/ontologies/bibframe/provisionActivityStatement> "New York : Alfred A. Knopf [2019]"@en;
  <http://id.loc.gov/ontologies/bibframe/provisionActivity> _:b7;
  <http://id.loc.gov/ontologies/bibframe/copyrightDate> "02019"@en;
  <http://id.loc.gov/ontologies/bibframe/identifiedBy> _:b8;
  <http://id.loc.gov/ontologies/bibframe/extent> _:b9;
  <http://id.loc.gov/ontologies/bibframe/dimensions> "22 cm"@en;
  <http://id.loc.gov/ontologies/bibframe/issuance> <http://id.loc.gov/vocabulary/issuance/mono>;
  <http://id.loc.gov/ontologies/bibframe/media> <http://id.loc.gov/vocabulary/mediaTypes/n>;
  <http://id.loc.gov/ontologies/bibframe/carrier> <http://id.loc.gov/vocabulary/carriers/nc>;
  <http://id.loc.gov/ontologies/bibframe/adminMetadata> _:b10.
<https://api.stage.sinopia.io/resource/1cee8053-f5e6-4a08-9103-39becd8f6288> <http://www.w3.org/2000/01/rdf-schema#label> "Exhalation"@en.
_:b6 a <http://id.loc.gov/ontologies/bibframe/Title>;
  <http://id.loc.gov/ontologies/bibframe/mainTitle> "Exhalation"@en;
  <http://sinopia.io/vocabulary/bf/nonfiling> 0.
_:b7 a <http://id.loc.gov/ontologies/bibframe/Publication>;
  <http://id.loc.gov/ontologies/bibframe/place> <http://id.loc.gov/authorities/names/n79007751>;
  <http://id.loc.gov/ontologies/bibframe/agent> <http://id.loc.gov/authorities/names/n50062227>;
  <http://id.loc.gov/ontologies/bibframe/date> "2019"@en.
<http://id.loc.gov/authorities/names/n79007751> a <http://id.loc.gov/ontologies/bibframe/Place>;
  <http://www.w3.org/2000/01/rdf-schema#label> "New York (N.Y.)"@en.
<http://id.loc.gov/authorities/names/n50062227> a <http://id.loc.gov/ontologies/bibframe/Agent>;
  <http://www.w3.org/2000/01/rdf-schema#label> "Alfred A. Knopf, Inc."@en.
_:b8 a <http://id.loc.gov/ontologies/bibframe/Isbn>;
  <http://www.w3.org/1999/02/22-rdf-syntax-ns#value> "9781101947883"@en;
  <http://id.loc.gov/ontologies/bibframe/qualifier> "hardcover"@en, "alk. paper"@en.
_:b9 a <http://id.loc.gov/ontologies/bibframe/Extent>;
  <http://www.w3.org/2000/01/rdf-schema#label> "350 pages"@en.
<http://id.loc.gov/vocabulary/issuance/mono> a <http://id.loc.gov/ontologies/bibframe/Issuance>;
  <http://www.w3.org/2000/01/rdf-schema#label> "single unit"@en.
<http://id.loc.gov/vocabulary/mediaTypes/n> a <http://id.loc.gov/ontologies/bibframe/Media>;
  <http://www.w3.org/2000/01/rdf-schema#label> "unmediated"@en.
<http://id.loc.gov/vocabulary/carriers/nc> a <http://id.loc.gov/ontologies/bibframe/Carrier>;
  <http://www.w3.org/2000/01/rdf-schema#label> "volume"@en.
_:b10 a <http://id.loc.gov/ontologies/bibframe/AdminMetadata>;
  <http://id.loc.gov/ontologies/bf1c/catalogerId> "NancyL";
  <http://id.loc.gov/ontologies/bibframe/creationDate> "2022-09-13";
  <http://id.loc.gov/ontologies/bibframe/source> <http://id.loc.gov/vocabulary/organizations/cst>;
  <http://id.loc.gov/ontologies/bibframe/descriptionConventions> <http://id.loc.gov/vocabulary/descriptionConventions/rda>;
  <http://id.loc.gov/ontologies/bibframe/descriptionLanguage> <http://id.loc.gov/vocabulary/languages/eng>;
  <http://id.loc.gov/ontologies/bf1c/encodingLevel> <http://id.loc.gov/vocabulary/menc1v1/3>.
<http://id.loc.gov/vocabulary/organizations/cst> <http://www.w3.org/2000/01/rdf-schema#label> "Stanford University"@en.
<http://id.loc.gov/vocabulary/descriptionConventions/rda> a <http://id.loc.gov/ontologies/bibframe/DescriptionConventions>;
  <http://www.w3.org/2000/01/rdf-schema#label> "Resource Description and Access"@en.
<http://id.loc.gov/vocabulary/languages/eng> a <http://id.loc.gov/ontologies/bibframe/Language>;
  <http://www.w3.org/2000/01/rdf-schema#label> "English"@en.
<http://id.loc.gov/vocabulary/menc1v1/3> <http://www.w3.org/2000/01/rdf-schema#label> "Abbreviated"@en.
```

BIBFRAME RDF output from Sinopia

And as we integrate further...

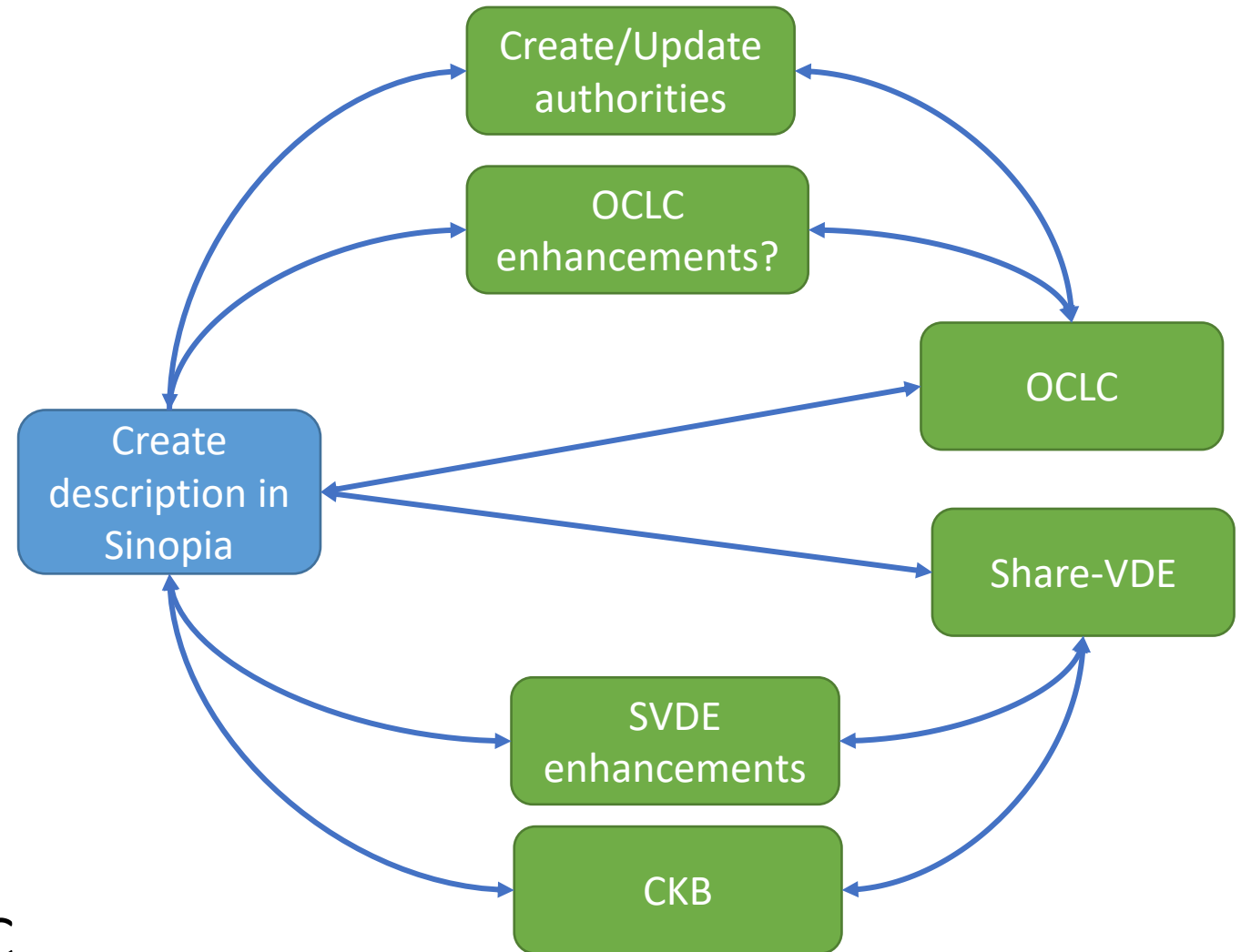


Sinopia Import & Export Workflows

-  MARC export & import
-  MARC to BF conversion
-  BF to MARC (rdf2marc)
-  BF to Inventory (rdf2folio)
-  BF export/import

Synchronization / Integration – the final loops!

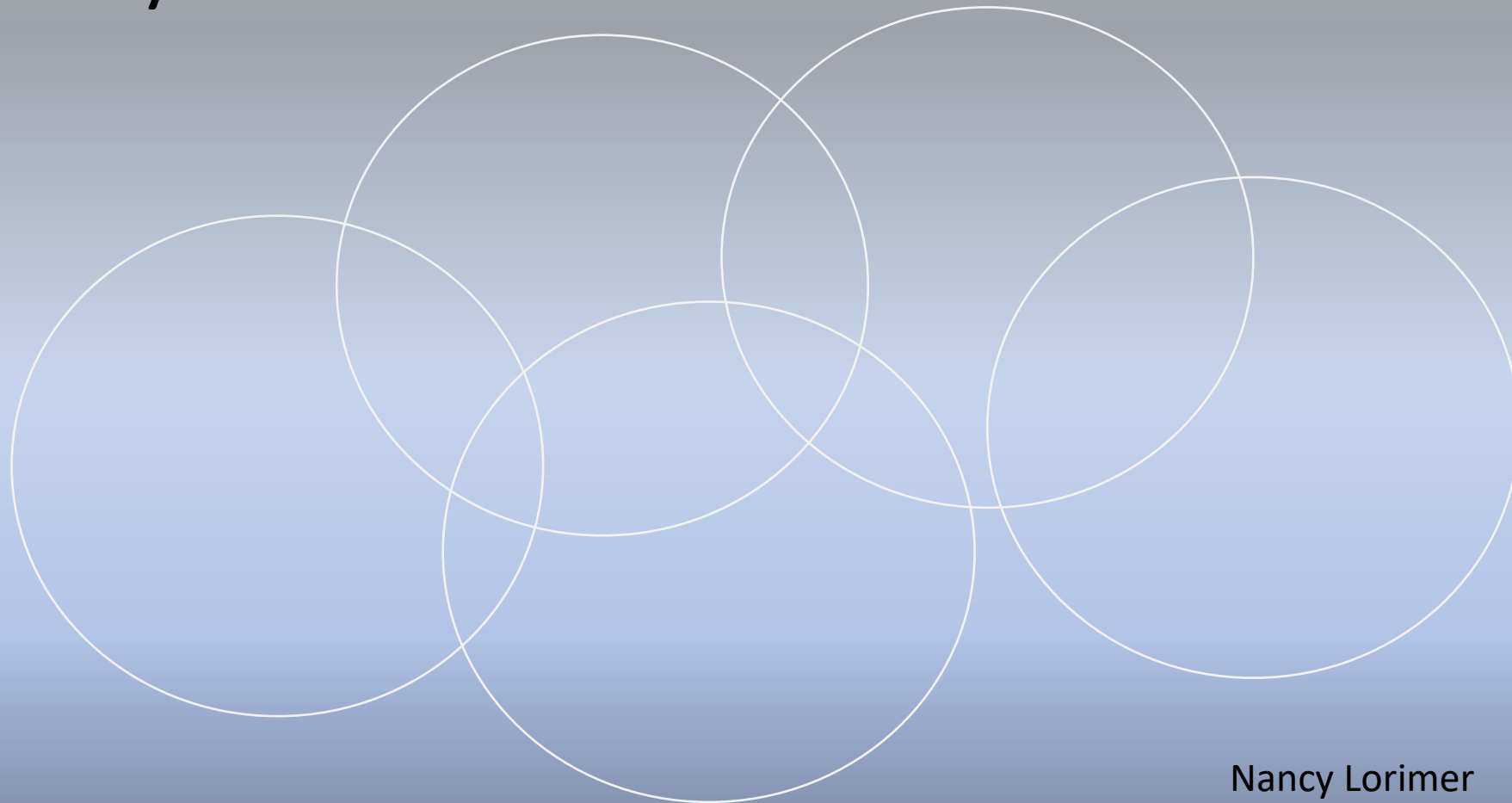
- Bibliographic records
 - Production
- Authority records
 - Time lag in being available
- Export to Authority vendor
 - Updates, corrections
- Export/Import to SVDE
 - De-dup MARC/BF data streams
 - Integrate work in CKB
- Export/Import to OCLC
 - De-dup MARC/BF data streams
- Work with PCC on standards, both for BF & converted MARC



Production!

SINOPIA					NancyL	Help	Logout
Dashboard	Resource Templates	Actions ▾	Search ⓘ Sinopia	▼ *	<input type="text"/>		
<input type="button" value="Filter by class"/> Go	<input type="button" value="Filter by group"/> Go						
Label / ID	Class	Group	Modified	<input type="button" value="Sort by"/>			
Driving a car without a dashboard, your opinion is yours! https://api.sinopia.io/resource/b04db2e1-86c6-4cc2-8c69-808e064c5db3 Relationships	http://id.loc.gov/ontologies/bibframe/Instance http://id.loc.gov/ontologies/bibframe/Print	Stanford University	Sep 16, 2022				
Dramaty historyczne https://api.sinopia.io/resource/863b1607-272c-4c80-a16b-27da241db263 Relationships	http://id.loc.gov/ontologies/bibframe/Work http://id.loc.gov/ontologies/bibframe/Text	Stanford University	Sep 16, 2022				
Поэтический экслибрис,Poëticheskiï ékslibris: альбомные стихи ,al'bomnye stikhi https://api.sinopia.io/resource/daecb45c-3d7c-4241-96d4-e085d44dd6ee Relationships	http://id.loc.gov/ontologies/bibframe/Instance http://id.loc.gov/ontologies/bibframe/Print	Stanford University	Sep 16, 2022				
Поэтический экслибрис https://api.sinopia.io/resource/793b667a-5c47-4825-96db-c78b3adbef85 Relationships	http://id.loc.gov/ontologies/bibframe/Work http://id.loc.gov/ontologies/bibframe/Text	Stanford University	Sep 16, 2022				
خرج الصيد,Fisherman's quiver,Khurj al-ṣayyād https://api.sinopia.io/resource/d26aba3b-268c-4cc3-862e-b6861296e085	http://id.loc.gov/ontologies/bibframe/Instance http://id.loc.gov/ontologies/bibframe/Print	Stanford University	Sep 16, 2022				

Thank you!



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