FOLIO Meets *Collaborative* Entity Management

(one opinion-laden telling of the story)

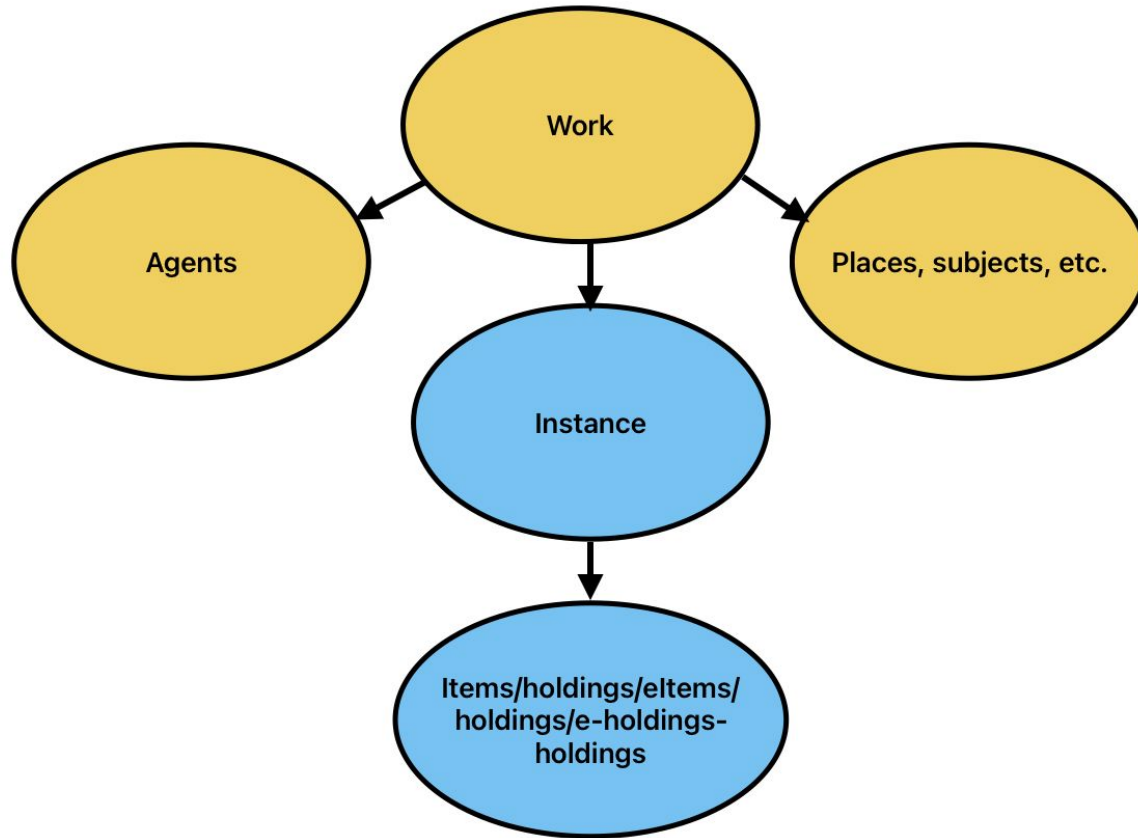Sebastian Hammer

ShareVDE

The year is 2015

- We set out to build a community-owned Library Service Platform intended to be as future-proof as possible
- We know that FOLIO will be the first post-MARC LSP
- BIBFRAME feels like the most likely replacement (but MARC is still a thing)
- But we don't know what exactly that means
    - In terms of staff workflows
    - In terms of the patron experience we hope to realize
    - In terms of the sharing ecology and infrastructure
- So we try to plan for the future

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- So we try to plan for the future
- We decided that *entities* were the natural level of intersection with library management
- The instance is the bread and butter entity
- *Where* and *how* data is maintained is as important as the data format
- The source of truth will more frequently be outside of the library

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Frontend - Stripes

Purchase orders   Inventory   Circulation
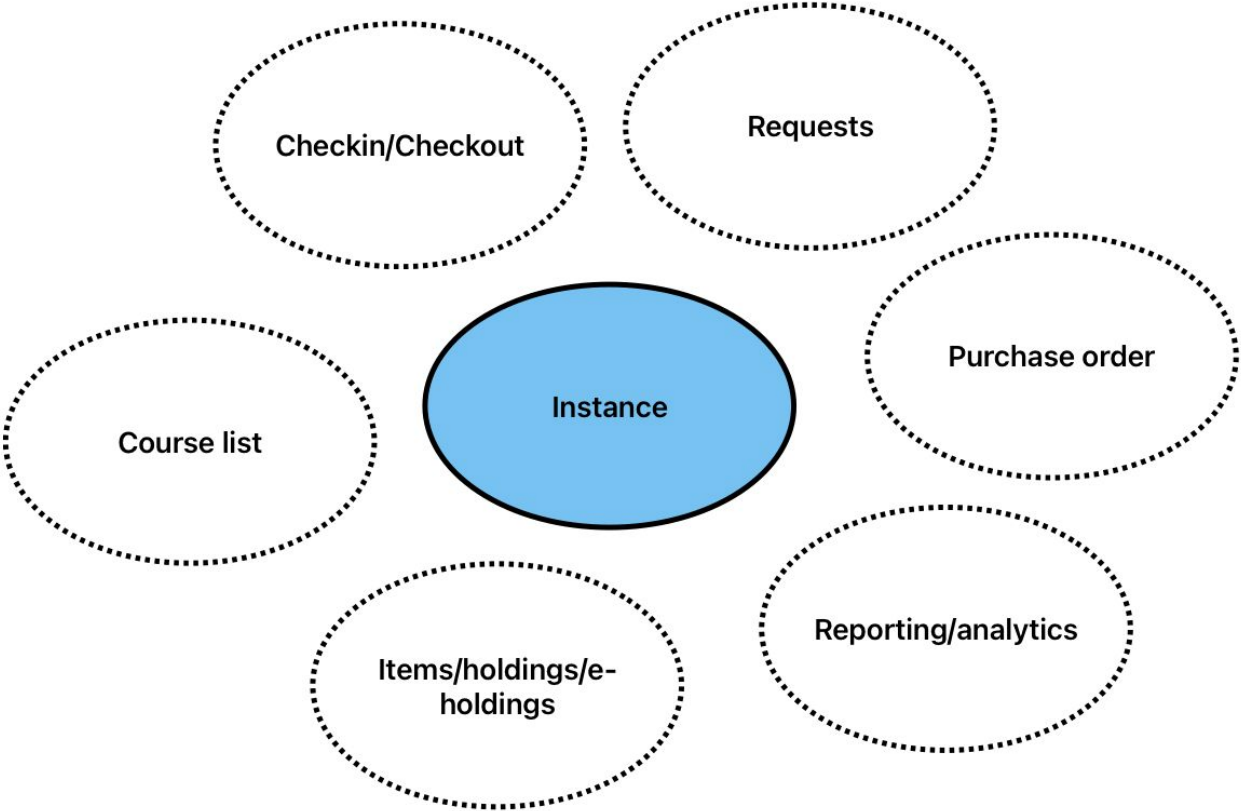
Backend - Okapi

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Inventory Instance Schema

Descriptive and process-related data elements supporting daily workflows - limited set of fields but many controlled value-sets.
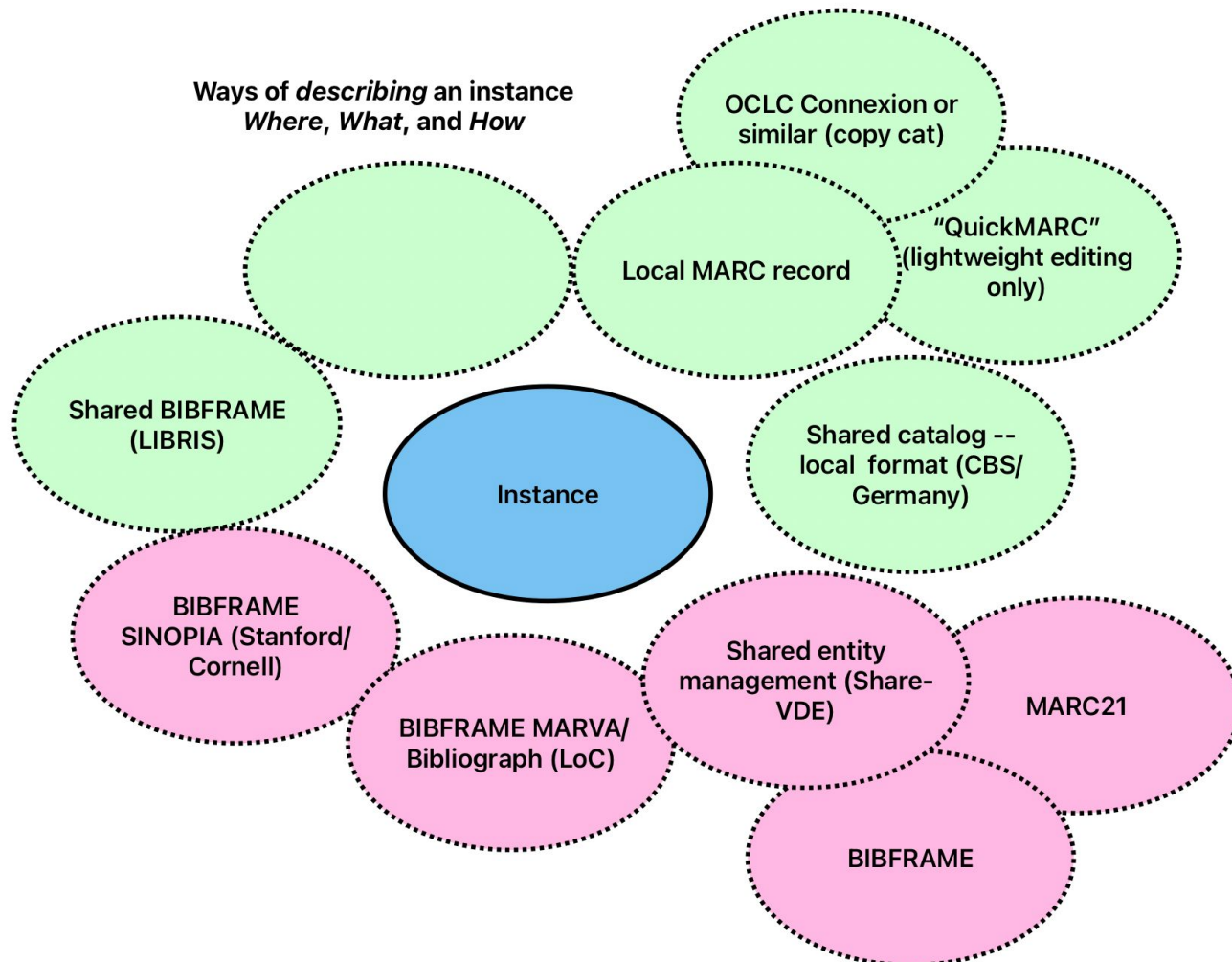
- Title, alternative titles, series title
- Edition
- Contributors
- Identifiers (and their types)
- Subjects
- Classifications
- Publication (also frequency, range)

- Electronic address
- Type and format
- Physical description
- Languages
- Notes
- Administrative data
- **etc**.

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Apps that refer to instances

Checkin/Checkout

Requests

Course list

Instance

Purchase order

Items/holdings/e-holdings

Reporting/analytics

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Ways of *describing* an instance
Where, *What*, and *How*

OCLC Connexion or similar (copy cat)

"QuickMARC" (lightweight editing only)

Local MARC record

Shared BIBFRAME (LIBRIS)

Shared catalog -- local format (CBS/ Germany)

Instance

BIBFRAME SINOPIA (Stanford/ Cornell)

Shared entity management (Share-VDE)

MARC21

BIBFRAME MARVA/ Bibliograph (LoC)
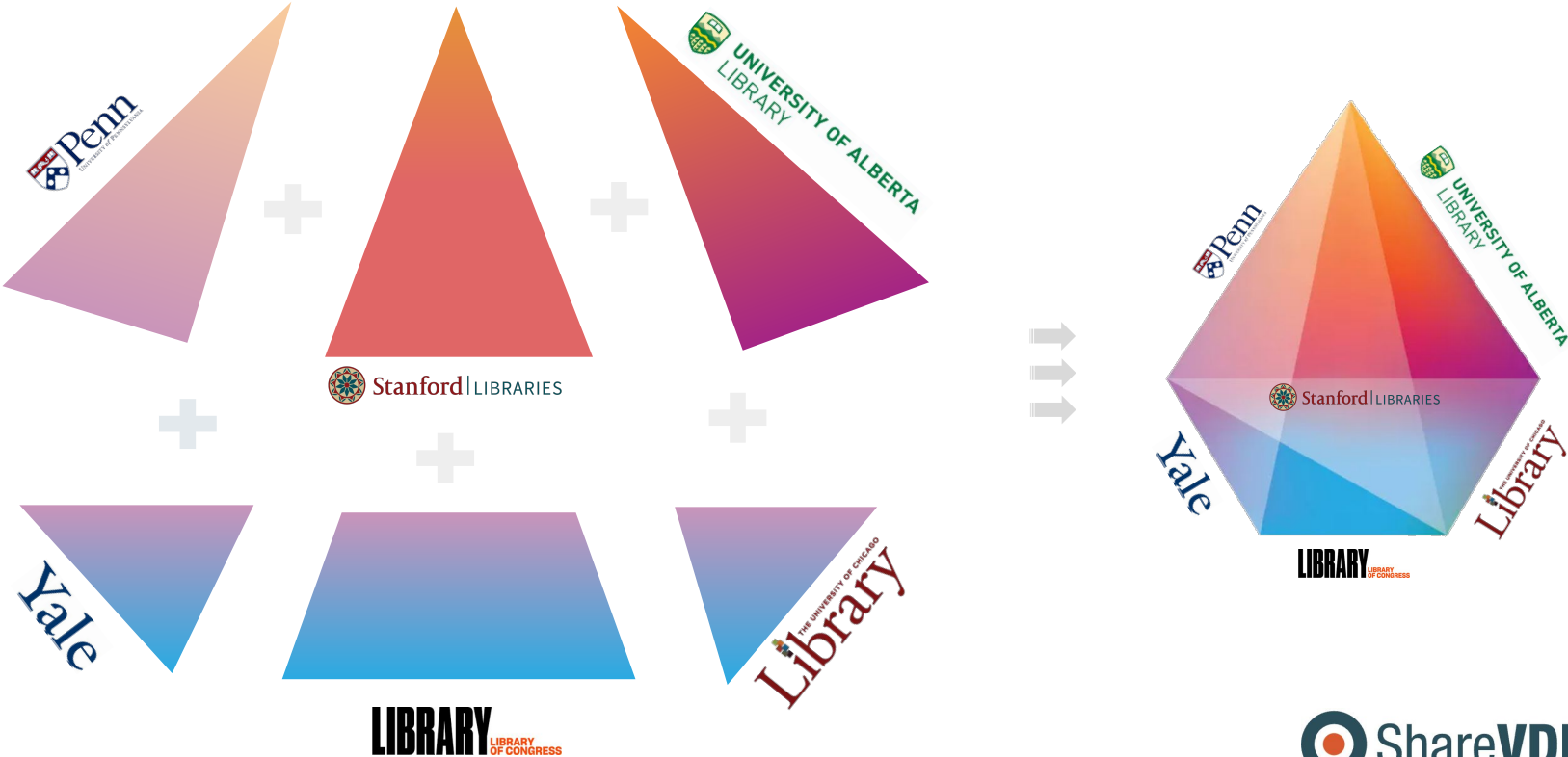
BIBFRAME

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So where are we?

- Inventory is a hub for describing and managing the collection
- But it is also a hub for different approaches to description
  - Formats and data models
  - Sharing -- files vs. links
- For practical reasons, the initial roll-out of FOLIO was largely focused on MARC
- So what is next?
- FOLIO is routinely used in conjunction with external, shared catalogs
- Common bibliographic infrastructure requires new technology *and trust management*
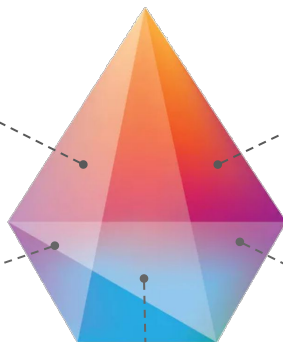- Enter Share-VDE as a model of the Infrastructure we Deserve

ShareVDE

Prism, faces: the Share-VDE Entity

Faces (aka Contributions)

UNIVERSITY OF ALBERTA LIBRARY

title	Alice in wonderland
titleAlternative	Alice's adventures under ground
author	https://svde.org/people/201

Stanford

title	Alice in wonderland
titleAlternative	Alice's adventures under ground
author	https://svde.org/people/201

LIBRARY OF CONGRESS

title	Alice in wonderland

National Library of Norway

title	Alice's adventures under ground
titleAlternative	Journeys in Wonderland
author	https://svde.org/people/201

ShareVDE (links)

sameAs	http://dbpedia.org/resource/Alice's_Adventures_in_Wonderland	Dbpedia
sameAs	https://www.wikidata.org/wiki/Q189875	Wikidata
sameAs	https://data.bnf.fr/ark:/12148/cb358500385#about	bnf

Share-VDE as a model of the Infrastructure we deserve

- I believe that entity management should be shared-first
- Entity management is hard, collaborative entity management is *way harder*
- We need a shared platform that is complex enough but not too complex
- We need a sustainable infrastructure with effective member governance and trust
- A firm commitment to open - *No Odious Claims on Library Catalog data*
- A rich set of APIs
- J.Cricket as a collaborative entity management tool
- Integrations with other tools (MARVA, Sinopio, MARC sources)

ShareVDE

Where are we?

- First stages of bidirectional synchronization between Inventory and Share-VDE to prove concepts and enable experimentation
- Data crosswalking in progress -- addressing challenges of local model extensions vs shared data

To come:

- Integration with authority system
- Exploration and development of practical workflows
- Integration into FOLIO's app/UX ecosystem
- What would you like to see?

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What do we get out of this? A roadmap of ideas

- A model for collaboratively maintaining entities with shared, public identifiers
- Addressing thorny issues of entity merging, splitting, etc whilst tracking provenance
- Real-time bidirectional change notifications with local systems
- Bridging the gap between entity management and bibliographic/authority control

Linked Data is about URL permanence and referencing rather than copying and citing

Nothing about that is unique to BIBFRAME or RDF

Libraries still operating in MARC-mode can participate too

ShareVDE

Come join the fun

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