# Library data, BIBFRAME and the Share Virtual Discovery Environment (SVDE)

**Discovery Services Forum** 

September 15, 2022

Jackie Shieh



#### Some linked data terms

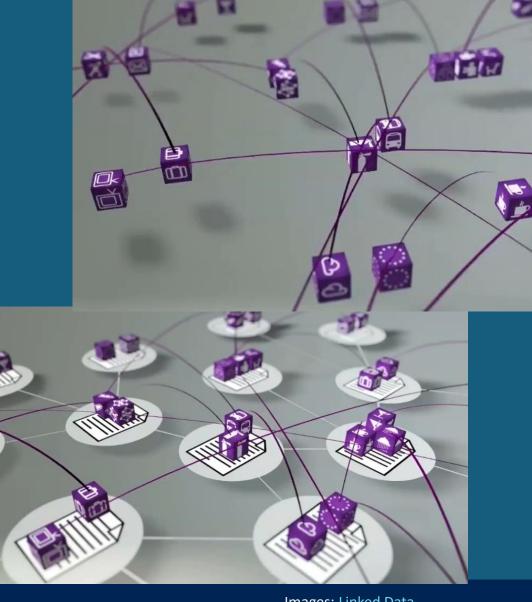
- RDF data (Resource Description Framework)
   = structured data = triple statements
   (subject (item) + property (relationship) + object (value))
- URI-- not URL
- Entity
- API (application programing interface)





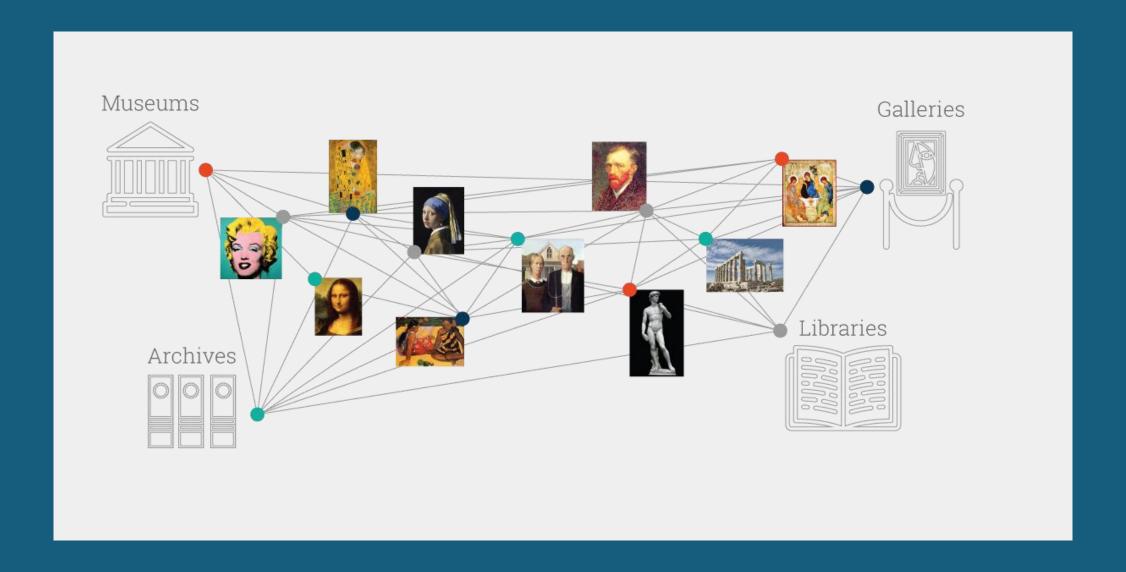
### First things first













### Today's topics

- What is Share-Virtual Discovery Environment (SVDE)
- Organization structure of the SVDE project
- Overview of SVDE workflow and BF data models
- What SVDE offers SLA users
- SVDE next steps



### **Introducing SVDE**





**Share-VDE** (SVDE) **is a library-driven initiative** to publish library bibliographic and authority data **based on linked data** in a shared discovery environment.

This collaborative endeavor prompted by Casalini Libri, @Cult, PCC Libraries and the LD4P project.

**SVDE** is a **BIBFRAME node**, serving authoritative data that are exchangeable and reusable, facilitating structured data in supportive of tools developed by the cooperative community to increase and disseminate knowledge



### SVDE a collaborative initiative

#### **National libraries**

Library of Congress

National Library of Norway

National Library of Finland

**Smithsonian Libraries and Archives** 

The British Library

Member libraries	LD4P cohort members
Duke University	Cornell University
New York University	Frick Art Reference Library
Stanford University	Harry Ransom Center Texas A&M
University of Alberta - NEOS consortium	Harvard University
University of Chicago	National Library of Medicine
University of Michigan at Ann Arbor	Northwestern University
University of Pennsylvania	Princeton University
Yale University	UC Davis
	UC San Diego
	University Colorado at Boulder
	University of Minnesota
	University of Texas A&M
	University of Washington



#### SVDE and linked data communities



- creates connections based on the focus areas of libraries' bibliographic data, enhancing and extending networks of information
- provides librarians and information professionals with advanced tools that allow direct interaction with bibliographic data
- enables libraries, archives and museums to keep pace with web technology as it evolves



### SVDE Working Groups

- SVDE Advisory Council (AC)
  - SVDE-AC Authority/Identifier Management Services working group (AIMS)
  - SVDE-AC Cluster Knowledge Base Editor working group (CKB editor, J.Cricket)
  - SVDE-AC Sapientia Entity Identification working group (SEI)
  - SVDE-AC User Experience/User Interface working group (UX-UI)
- Share Family National Bibliographies working group (NB)



### SVDE data flow and tech deck





### BIBFRAME data model

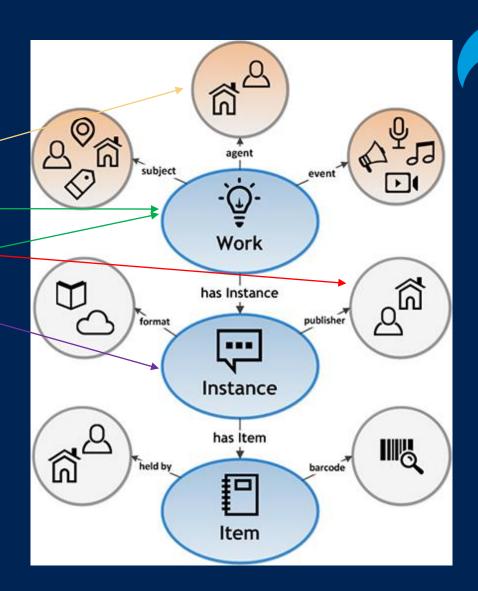
100: 1 \$a Walcott, Mary Vaux, \$d 1860-1940

245: 10 \$a North American wild flowers, \$c by Mary Vaux Walcott.

260: \$a Washington, D. C., \$b The Smithsonian institution, \$c 1925-300: \$a v. \$b illus. \$c 34 x 26 cm.

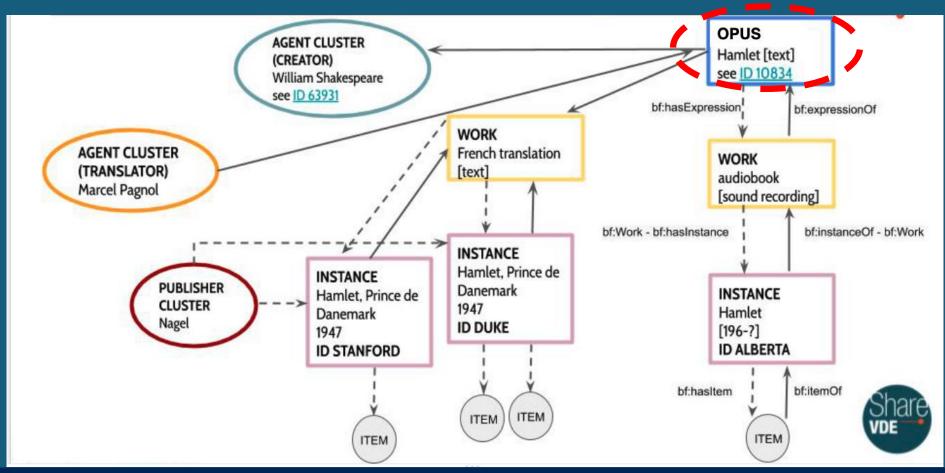
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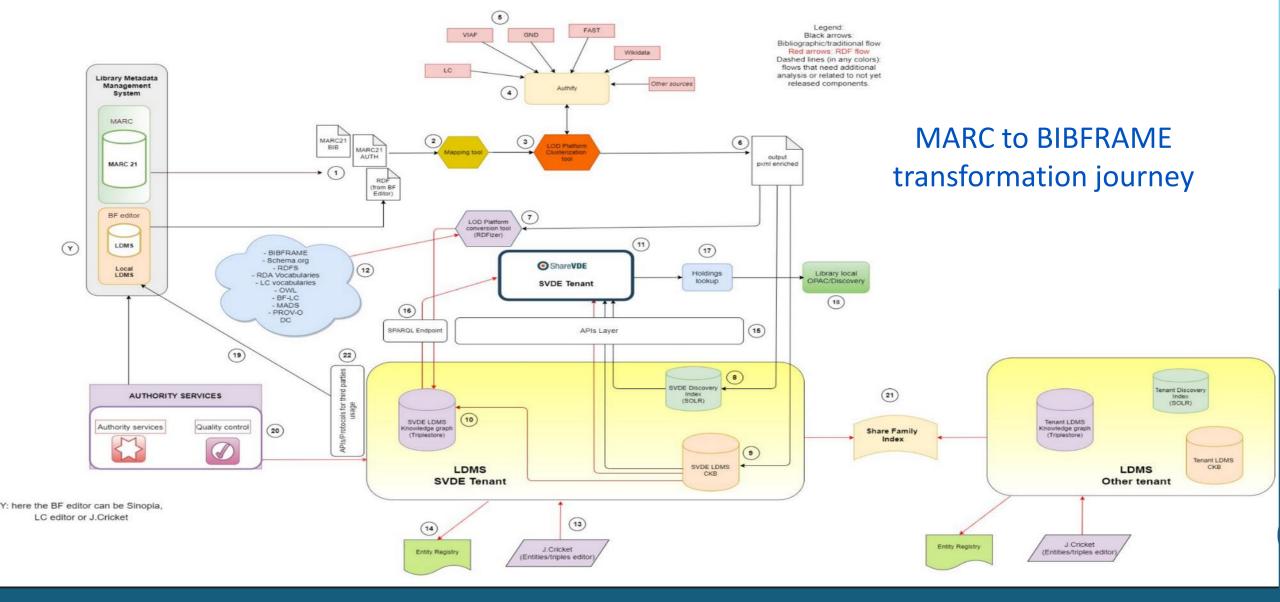


### BIBFRAME in SVDE

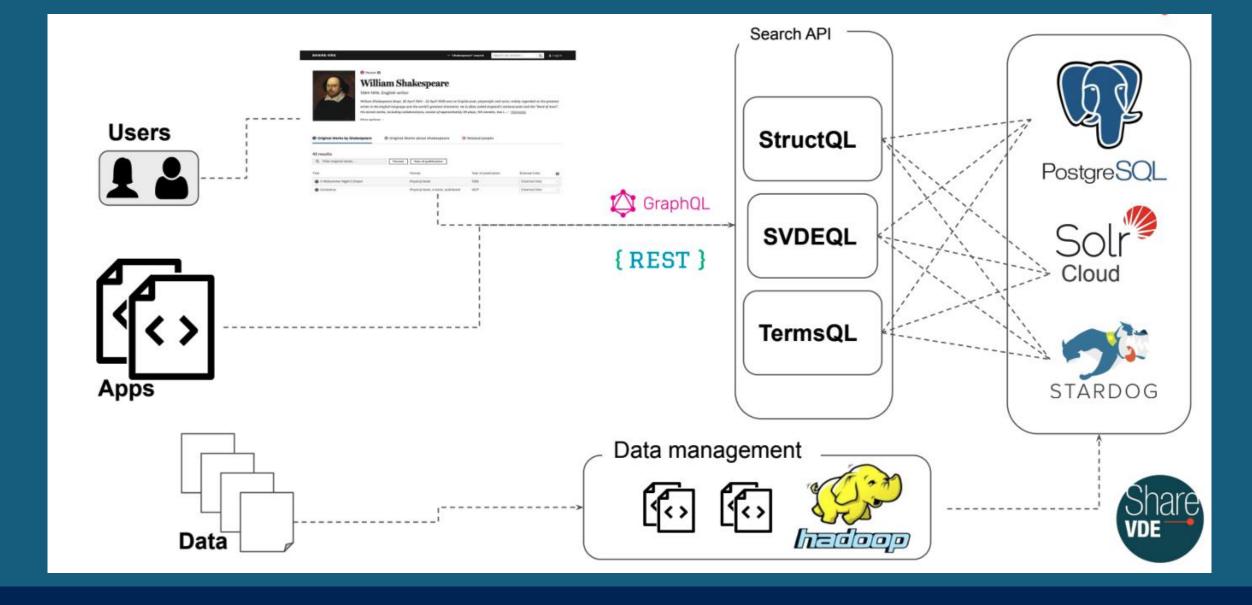


Last update 2019-11-20: http://bit.ly/SVDE\_model\_simplified











#### SVDE data to date

• Person: 10,354,037

• Family: 46,345

Organization: 5,417,588

• Conference: 667,827

Original work: 30,691,541

• Work: 35,702,610

Instance: 46,600,234

• Subject: 17,190,875

• Item: 3,491,93



### Explore SVDE entity discovery portals

- SVDE for all: https://svde.org
- SLA: <a href="https://smithsonian.svde.org">https://smithsonian.svde.org</a>
- Stanford: <a href="https://stanford.svde.org">https://stanford.svde.org</a>
- U Alberta: <a href="https://ualberta.svde.org">https://ualberta.svde.org</a>
- U Penn: <a href="https://penn.svde.org">https://penn.svde.org</a>

British Library: <a href="https://bl.natbib-lod.org">https://bl.natbib-lod.org</a>

- LoC: <a href="https://loc.svde.org/">https://loc.svde.org/</a>
- N Lib of Finland: <a href="https://natlibfi.svde.org/">https://natlibfi.svde.org/</a>
- N Lib of Norway: <a href="https://nln.svde.org/">https://nln.svde.org/</a>
- PCC libraries: <a href="https://pcc-lod.org">https://pcc-lod.org</a>



### SVDE Entity Discovery Portal



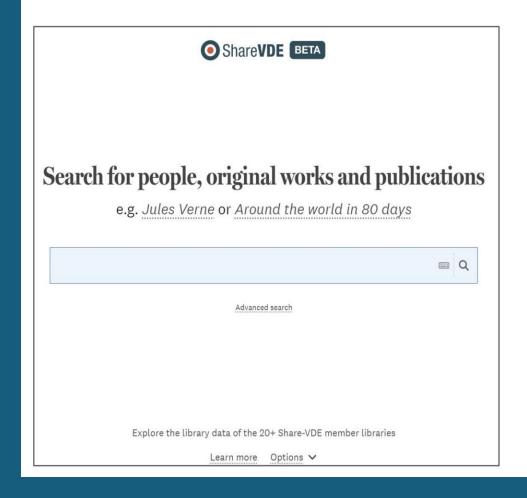


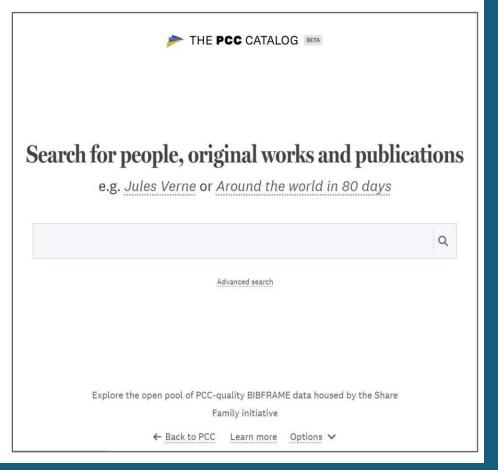
### Entity portal design and more

- Simple entry page
- Advanced entity discovery system
- Customizable features for local UI skins
- Integration with local APIs
- Site mapping with additional meta-tagging

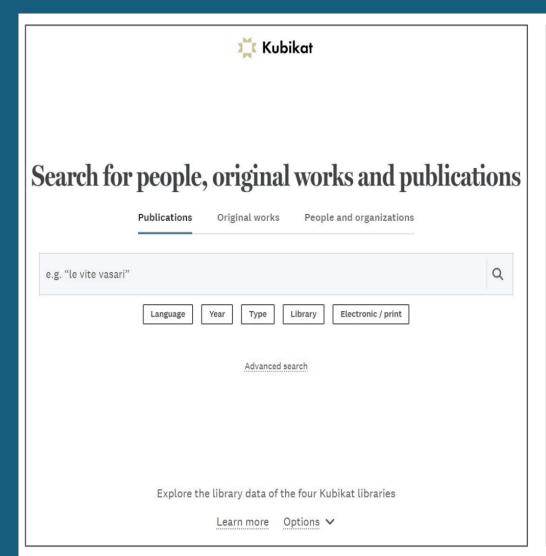


#### Simple search default configuration













# Multilingualism



Person

#### Shi Hu

Chinese philosopher, essayist and diplomate. Born in 1891 in Shanghai (China). Die

Hu Shih (Chinese: 胡適; pinyin: Hú Shì; Wade-Giles: Hu2 Shih4; 17 December 1891 - 24 February 1962), al in early references, was a Chinese diplomat, essayist, literary scholar, philosopher, and politician. Hu is widel a key contributor to Chinese liberalism and language reform in his advocacy for the use of written vernacular influential in the May Fourth Movement, one of the leaders of China's New Culture Movement, was a presider and in 1939 was nominated for a Nobel Prize in literature. He had a wide range of interests such as literature. textual criticism, and pedagogy. He was also an influential redology scholar and held the famous Jiaxu manu: běn) for many years until his death. - Wikipedia



1891年-1962年。中國学者,新文化运动的领袖之一

原名翻磨,腰垂時晉取名洪辭,又改為唐、遵之。一生用張筆名有; 希運、也報生、鏡兒。多心、咸暉之主人、咸珲等。中華 民國作歌。安徽總漢具人,祖籍總漢具上庄,生于上海浦东川沙。因提倡文学革命而成为新文化运动的领袖之一,曾担任国立 北京大学校长、中央研究院院長、中华民国狂美大使、私立而开大学校副会董事等職。胡远巍巍虞泛、著述

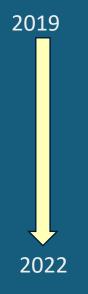




# SLA, Linked Data, and SVDE



### SLA catalog data and linked data



- Enhance AACR2 to RDA records
- Embed URIs in name and LCSH headings
- Convert LCSH to FAST Headings
- Embed URIs for <relator> codes (e.g., author, illustrator, photographer, voice actor, woodcutter, etc.)

### Why SVE

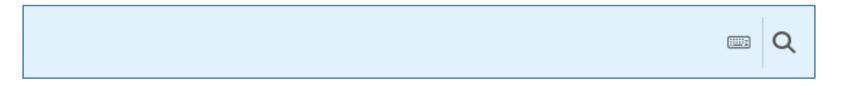
- Share-Family: library-based
- Cultural Heritage focus
- Collaborative development path
- Entity data model is library-centric authorities
- Web-based APIs to non-library sources
- Linking and managing entities
- Affordable (ca. 0.008 cent per record)





#### Search for people, original works and publications

e.g. Jules Verne or Around the world in 80 days



Advanced search

Explore the library data of the 20+ Share-VDE member libraries

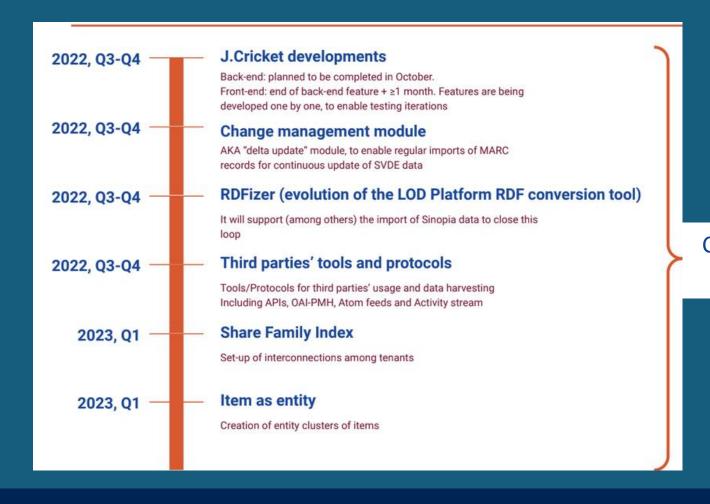
← Back to Smithsonian Libraries

Learn more

Options 🗸



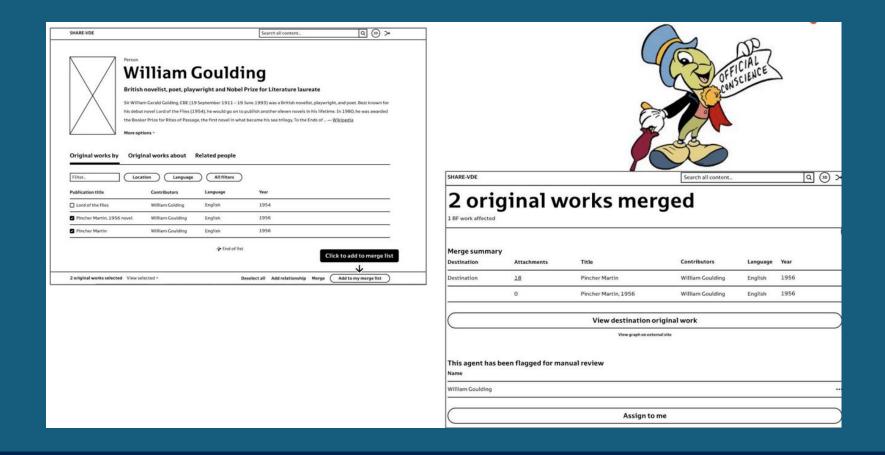
### What next?



Continuous enhancements to Entity Discovery Portal

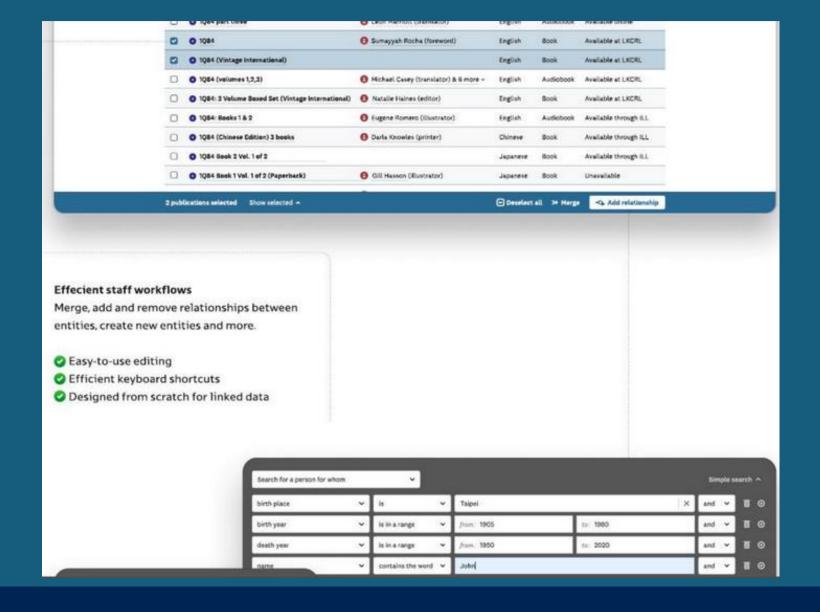


### Entity editor to interconnect

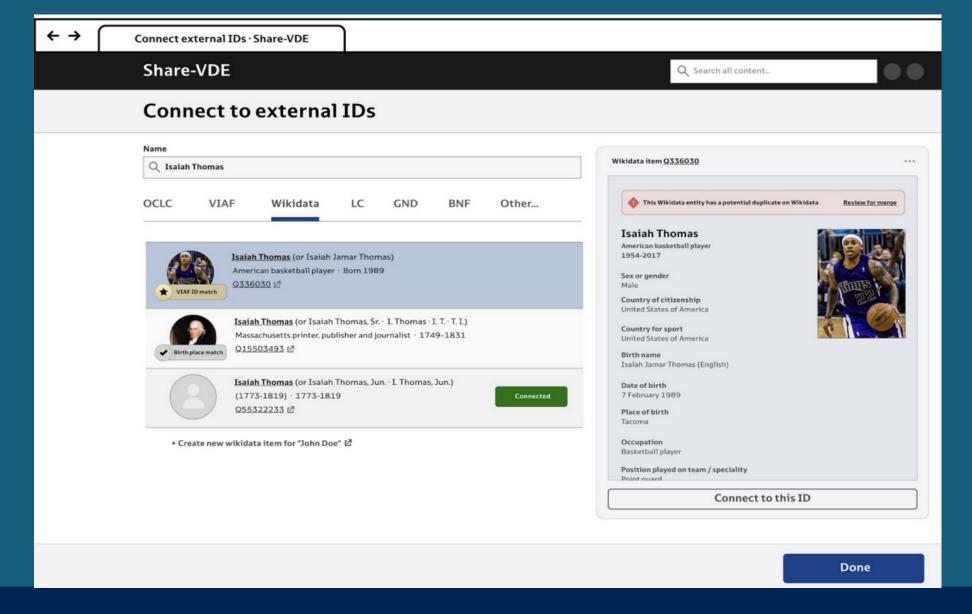




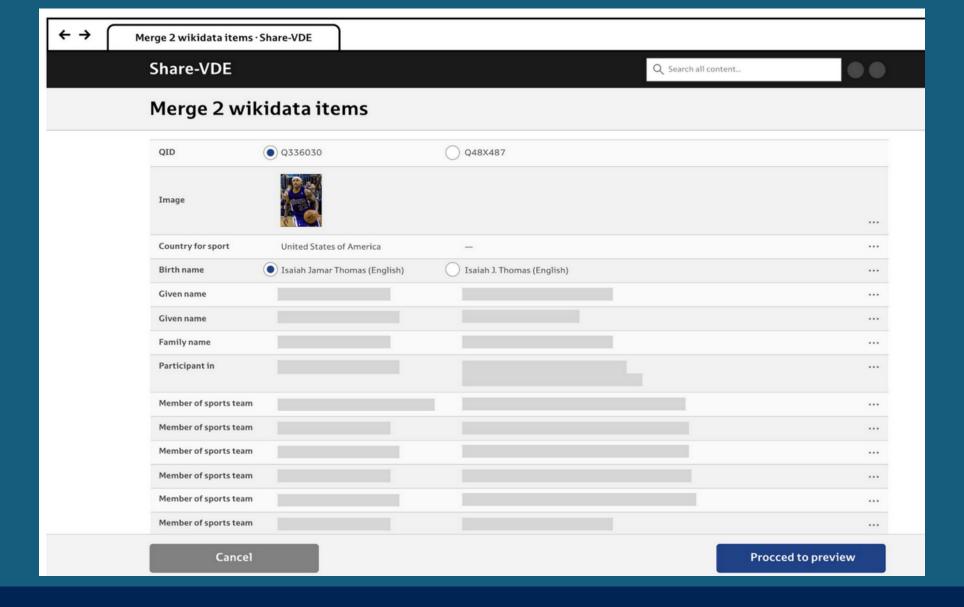
# From SVDE Discovery Entity Portal



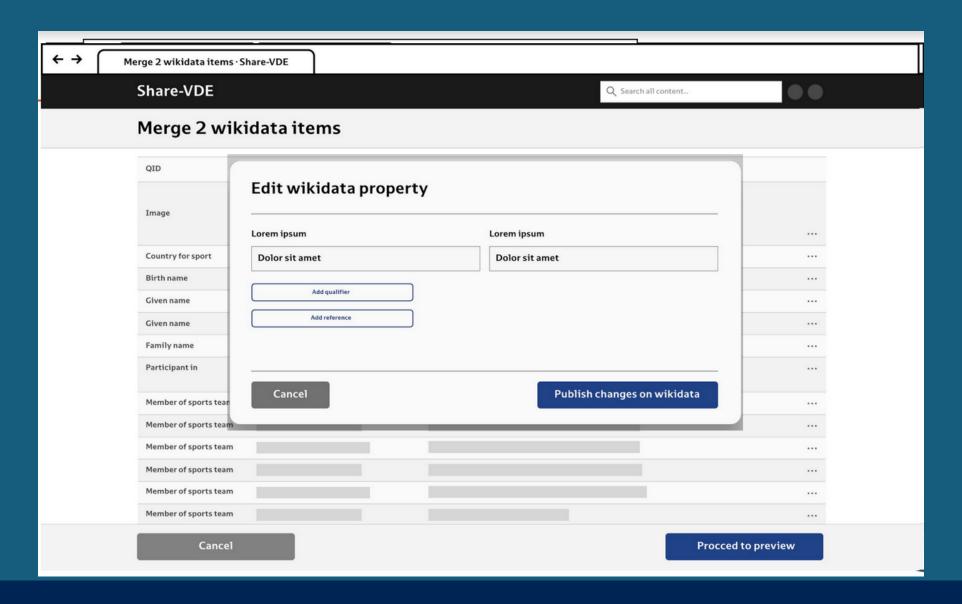










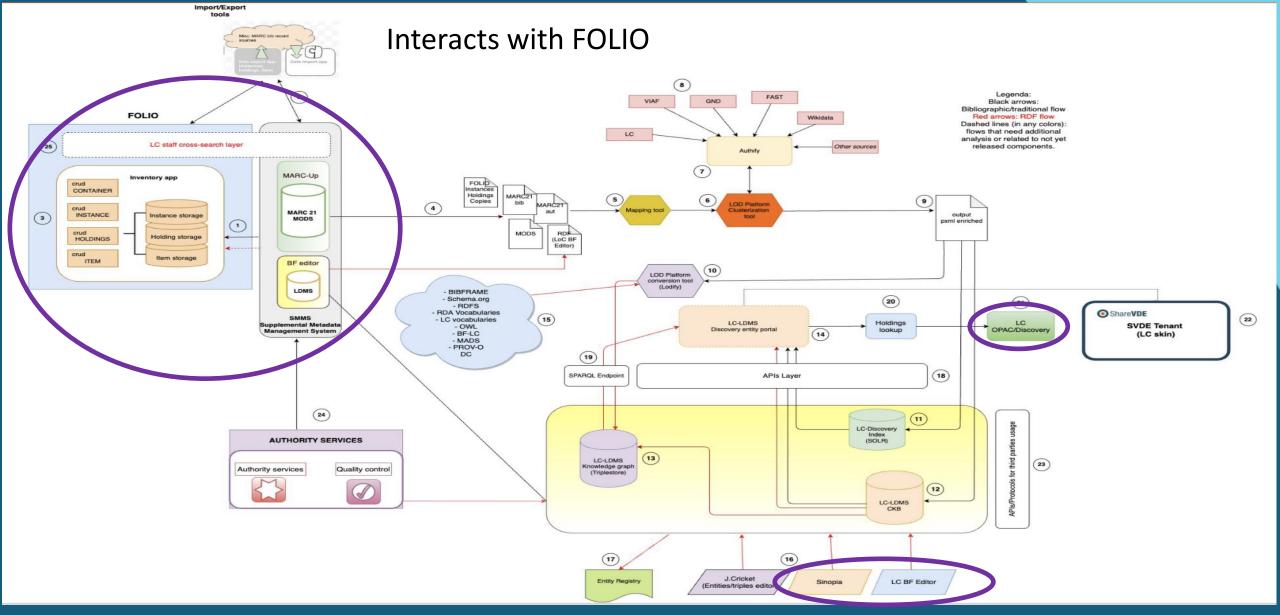




### Features for resource sharing

- Use APIs to find available versions
- Streamline ILL options in SVDE discovery portal
- Avail delivery options based on data from participating institutions







## Would you help?

- AIMS: Authority/Identifier Management Services working group
- CKB editor: Cluster Knowledge Base Editor working group
- SEI: Sapientia Entity Identification working group
- UX/UI: User Experience/User Interface working group



#### September conferences on SVDE

- WOLFCon (Sep 2): SVDE and FOLIO
   https://wiki.share-vde.org/w/images/9/92/WOLFcon Possemato 2022-Sep-02.pdf
- Linked open data conference (Sep 13): SVDE Ecosystem <a href="https://www.kbr.be/en/agenda/linked-data-and-international-standards-for-cultural-heritage/">https://www.kbr.be/en/agenda/linked-data-and-international-standards-for-cultural-heritage/</a>
- European BF 2022 (Sep 22): SVDE and BIBFRAME

(free: in person in Budapest and online)

https://www.casalini.it/bfwe2022/



# Thank you!

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