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

Discovery Services Forum

September 15, 2022

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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)

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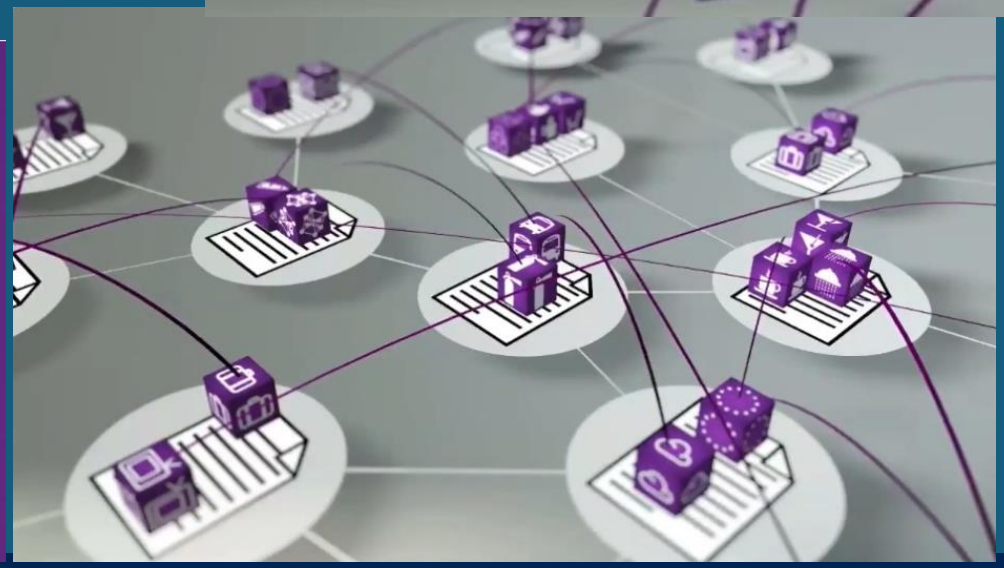
First things first



Images: Linked Data

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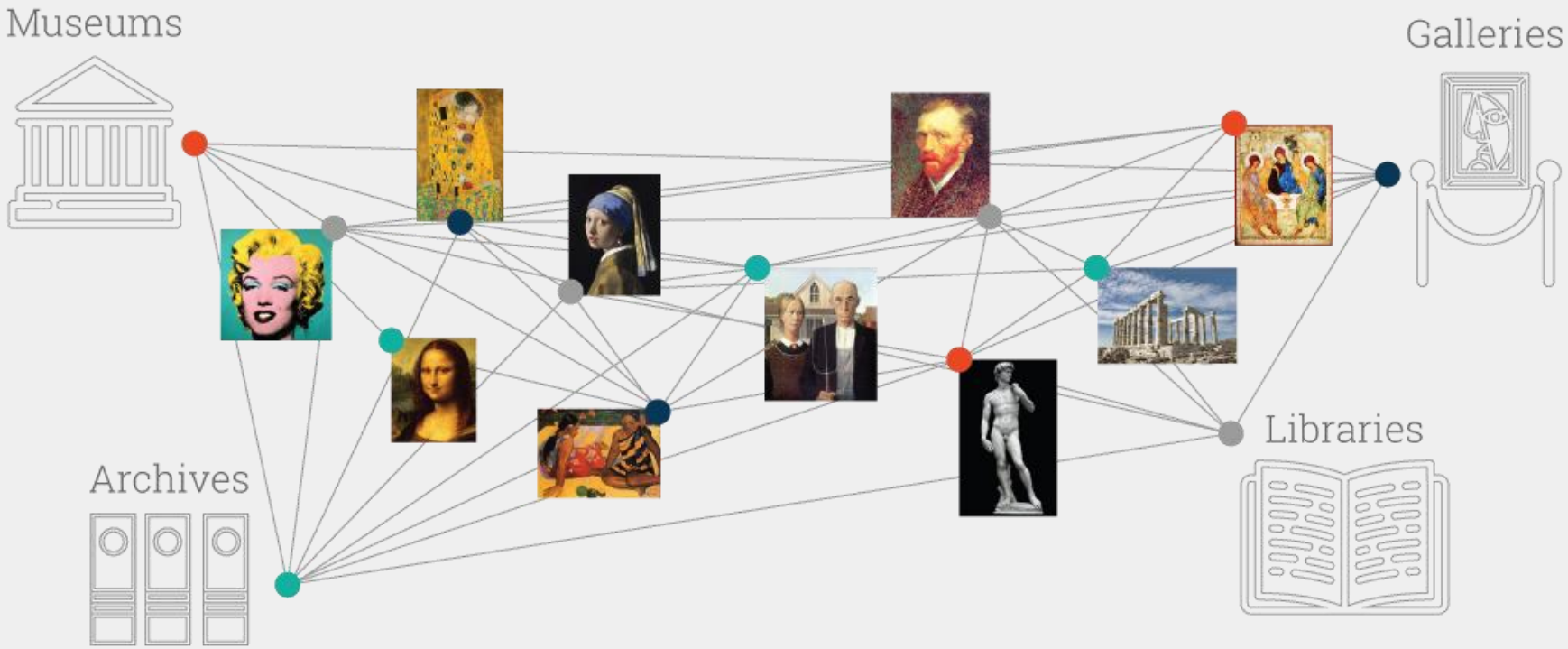

Image: Linked Open Data for Cultural Heritage

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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

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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

http://bit.ly/SVDE-Statement-2021

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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

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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

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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)

https://wiki.share-vde.org/wiki/ShareVDE:Members/Share-VDE_working_groups

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SVDE data flow and tech deck

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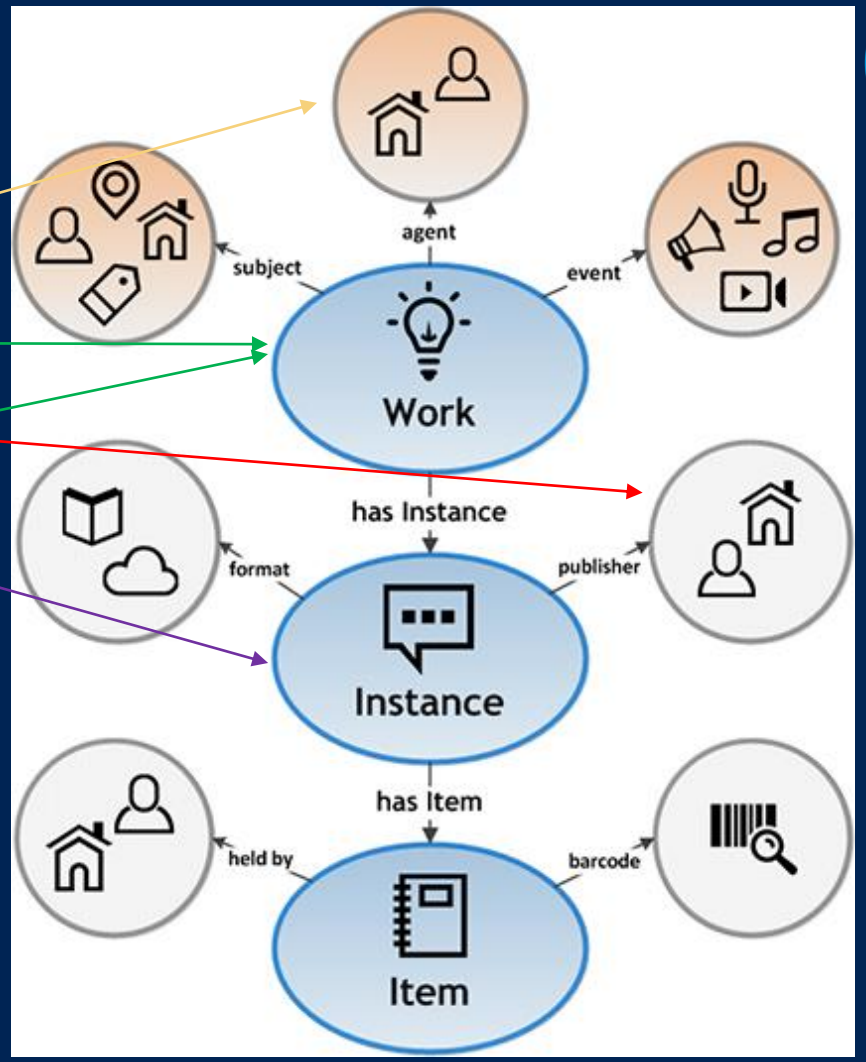
BIBFRAME data model

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.
500: $a In portfolio.
650: 0 $a Flowers $z North America.



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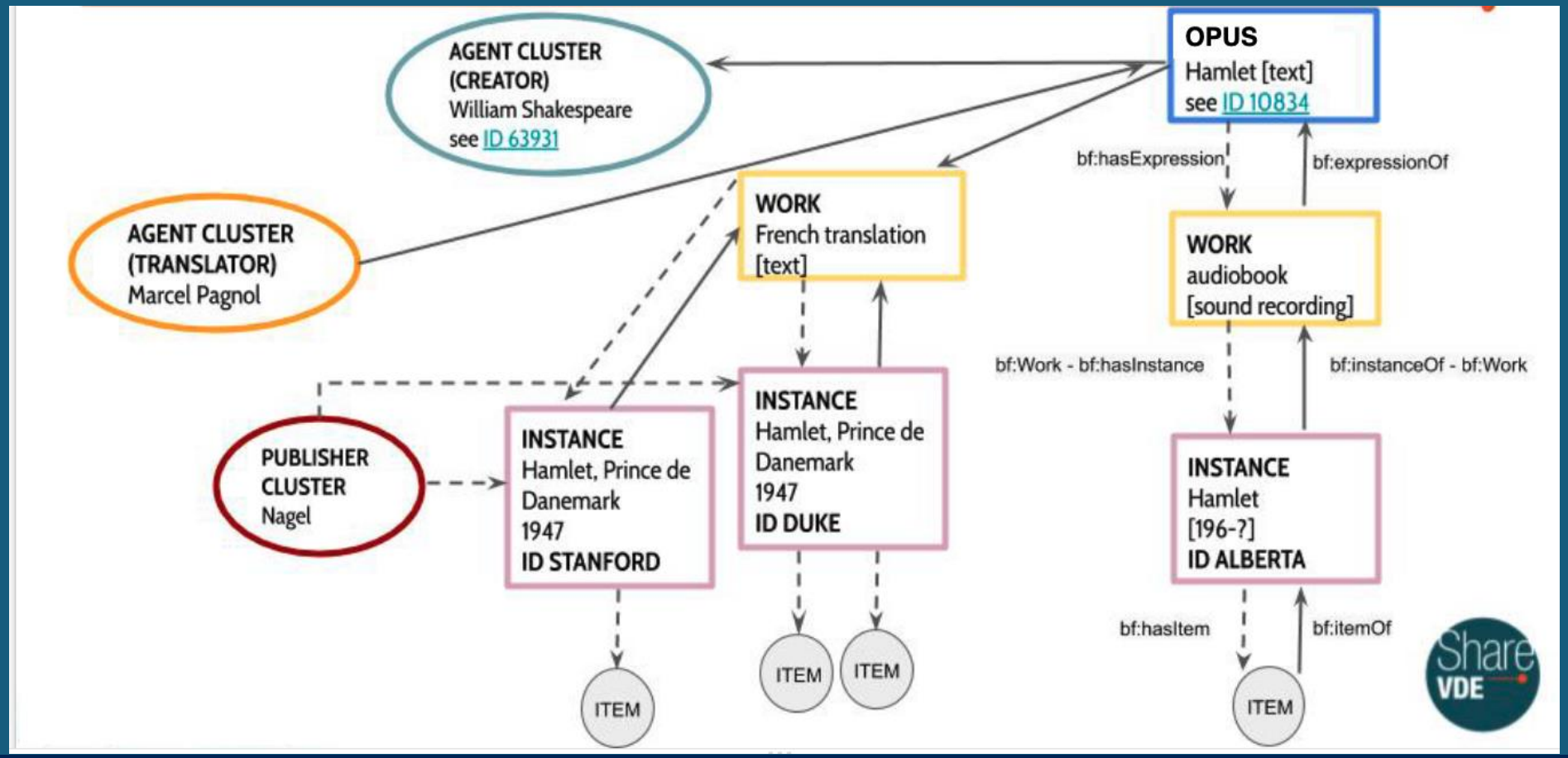
BIBFRAME in SVDE



Last update 2019-11-20: http://bit.ly/SVDE_model_simplified

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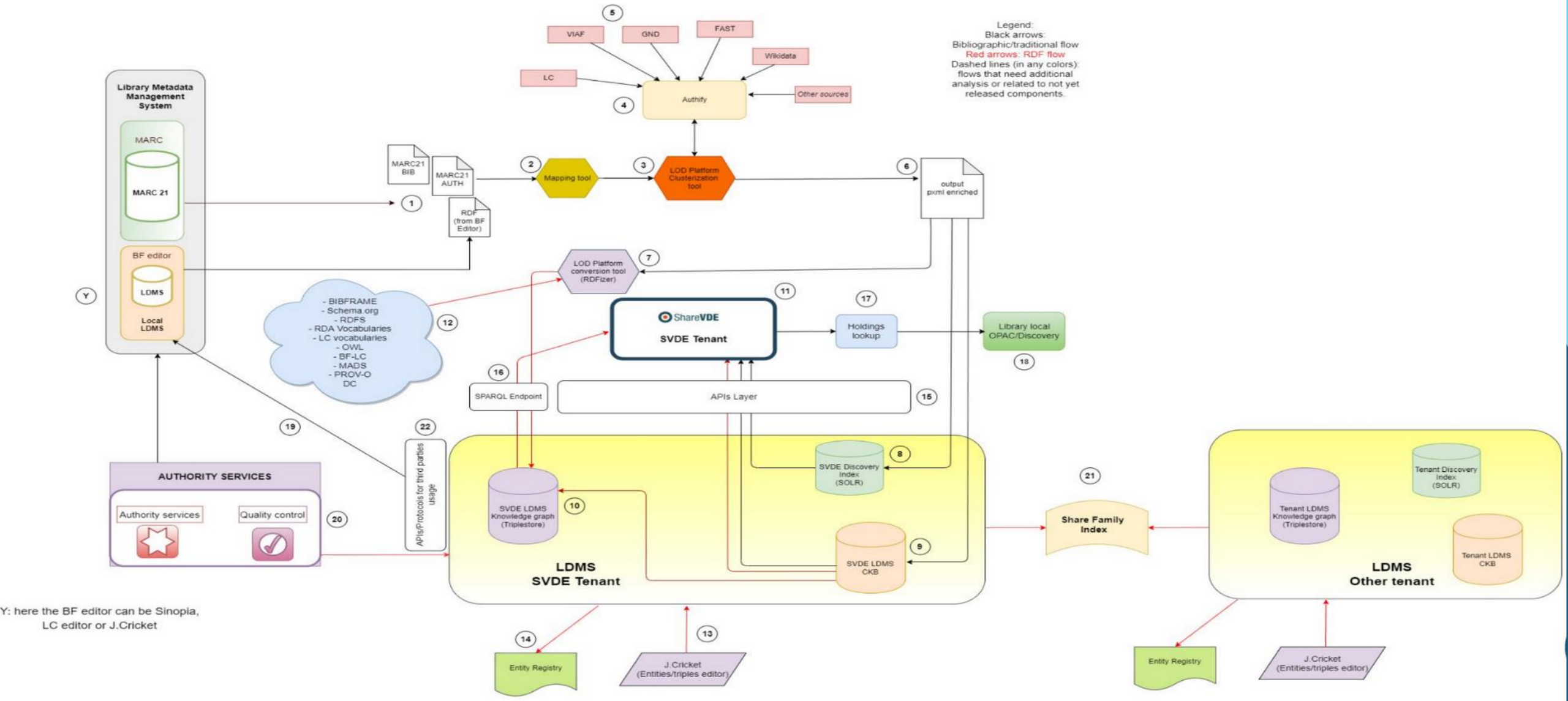

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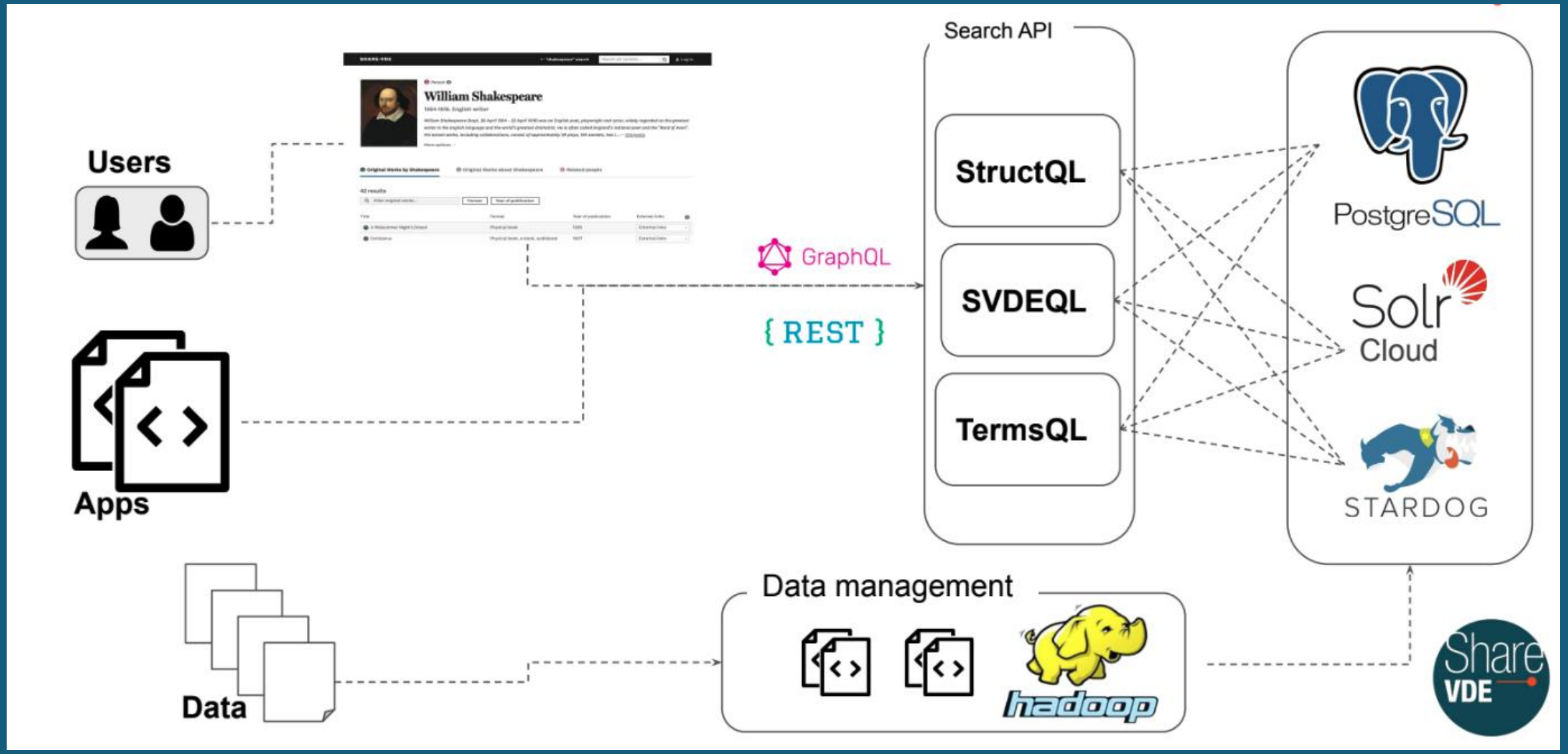

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SVDE data to date

- 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

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Explore SVDE entity discovery portals

- SVDE for all: https://svde.org
- *SLA: https://smithsonian.svde.org*
- Stanford: https://stanford.svde.org
- U Alberta: https://ualberta.svde.org
- U Penn: https://penn.svde.org

- British Library: https://bl.natbib-lod.org
- LoC: https://loc.svde.org/
- N of Finland: https://natlibfi.svde.org/
- N of Norway: https://nln.svde.org/
- PCC libraries: https://pcc-lod.org

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SVDE Entity Discovery Portal

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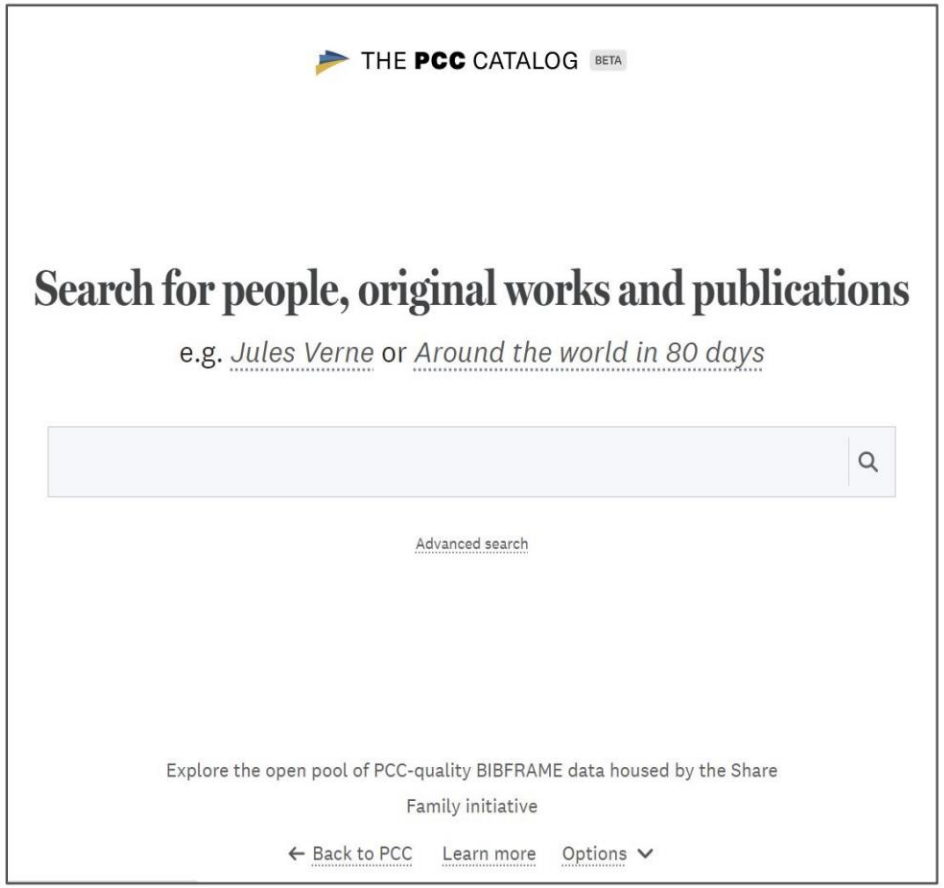
Basic portal design and more

- Simple entry page
- Advanced entity discovery system
- Customized UI (skin)
- Integration with local APIs
- Site mapping with additional meta-tagging

Simple search default configuration



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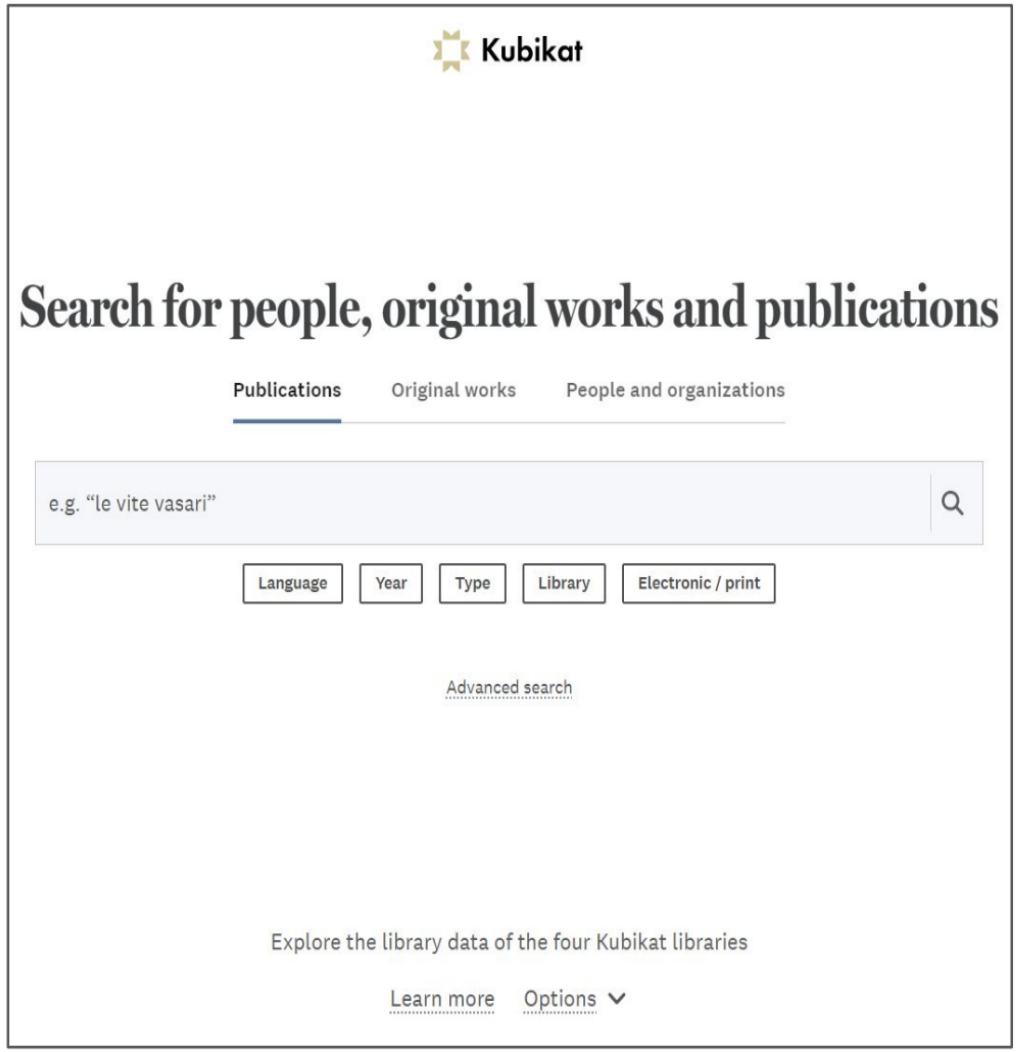

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Multilingualism

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 preside 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 manus běn) for many years until his death. – Wikipedia

人士

胡适

1891年—1962年，中国学者，新文化运动的领袖之一

更多选项

胡适作品 | 关于胡适的作品 | 相关人士 | 相关事件 | 相关地点

搜索作品... | 格式 | 年份 | 更多筛选条件

24搜寻结果

原始作品标题	类型/形式	作者	语言	格式	出版年份
胡适，梁漱溟哲学思想批判	传记	艾思奇	中文	实体书	1977
胡适：真實的為我	传记	白吉庵	中文	实体书，电子书	2013
胡适传	传记	白吉庵	中文	实体书	1987
Hu Shih and the Chinese renaissance	传记	Jerome B. Grieder	英语	电子书	1970

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SLA, Linked Data, and SVDE

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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.)

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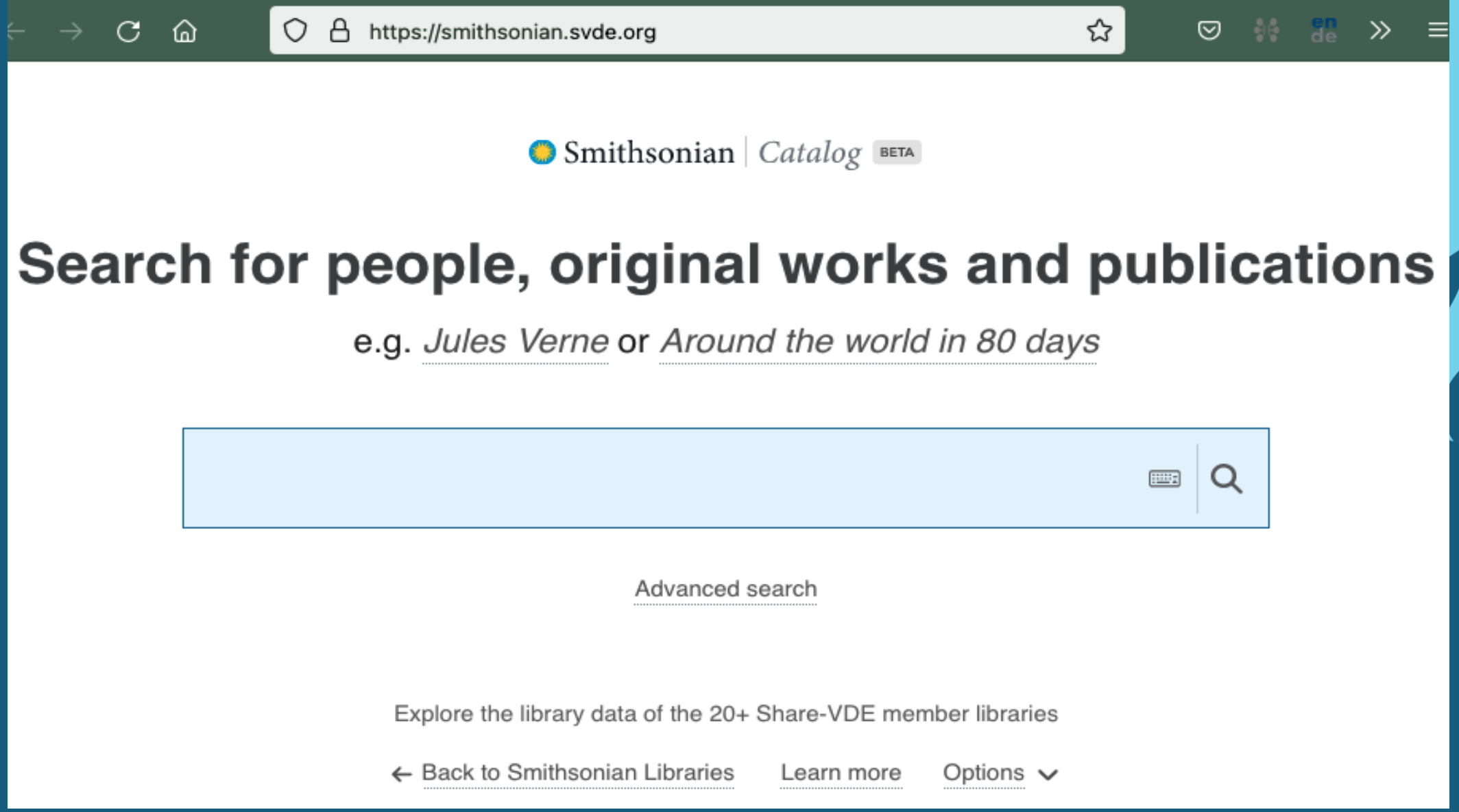
Why SVE

- 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)



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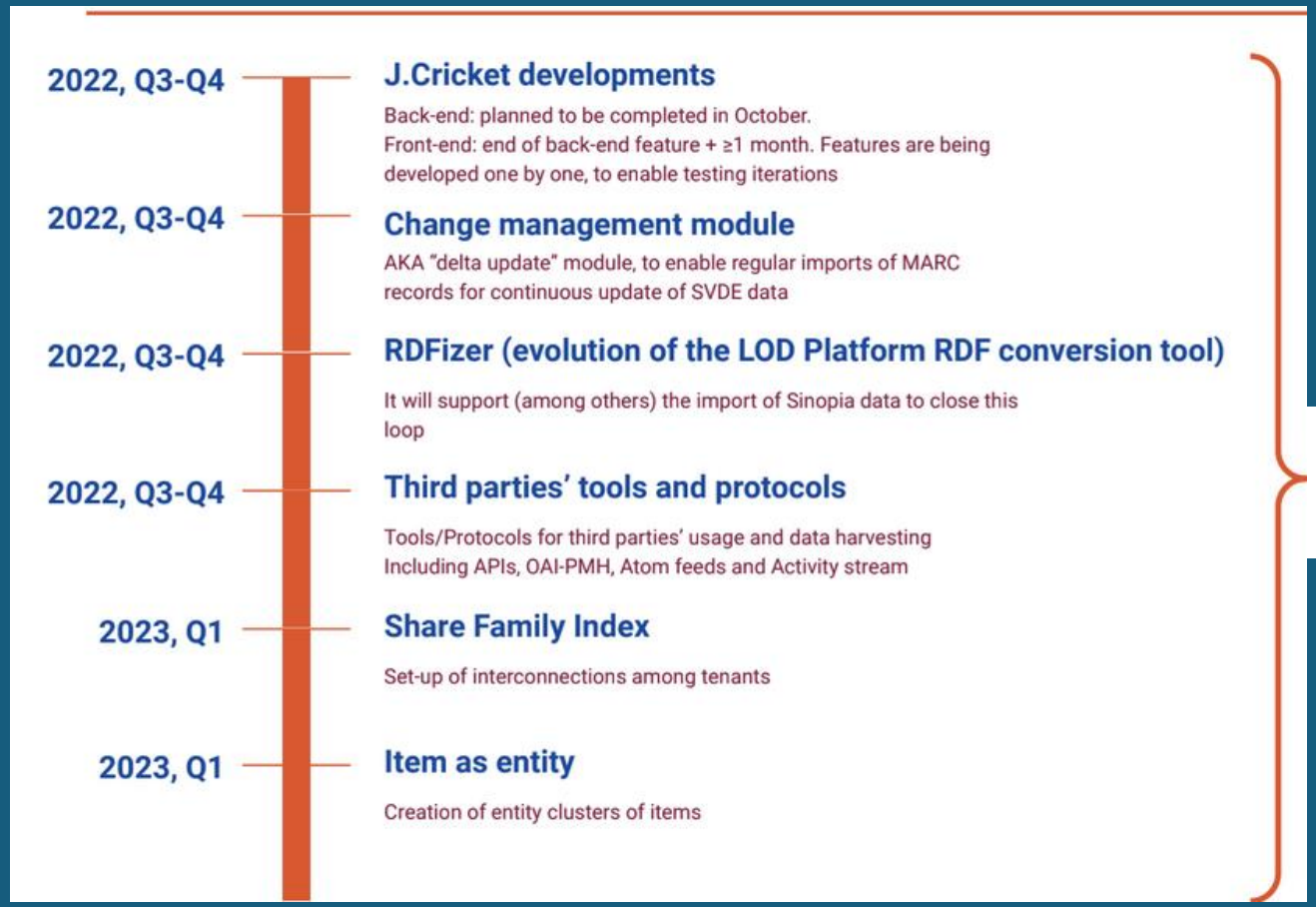
What next?



Continuous enhancements to Entity Discovery Portal

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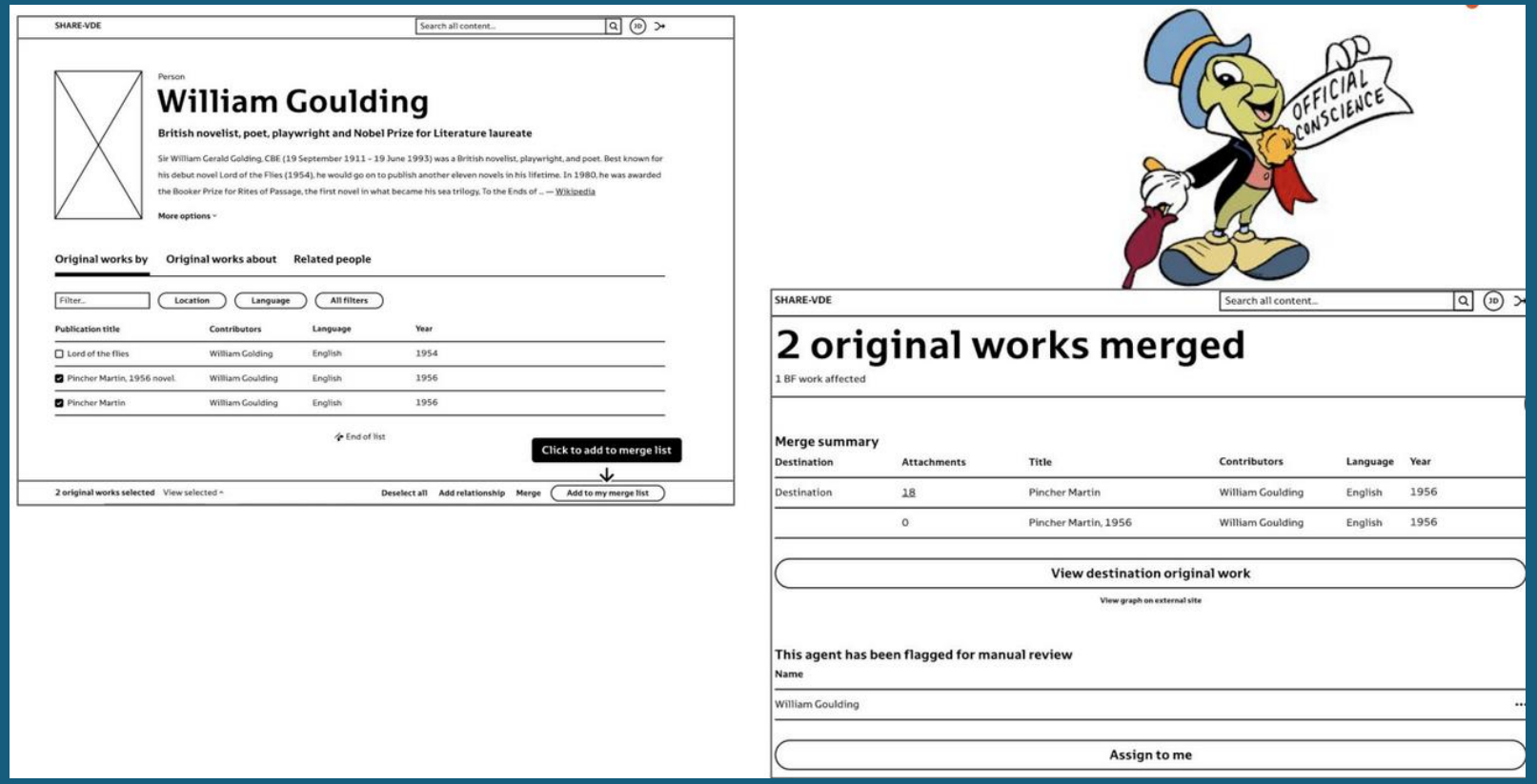
Entity editor to interconnect



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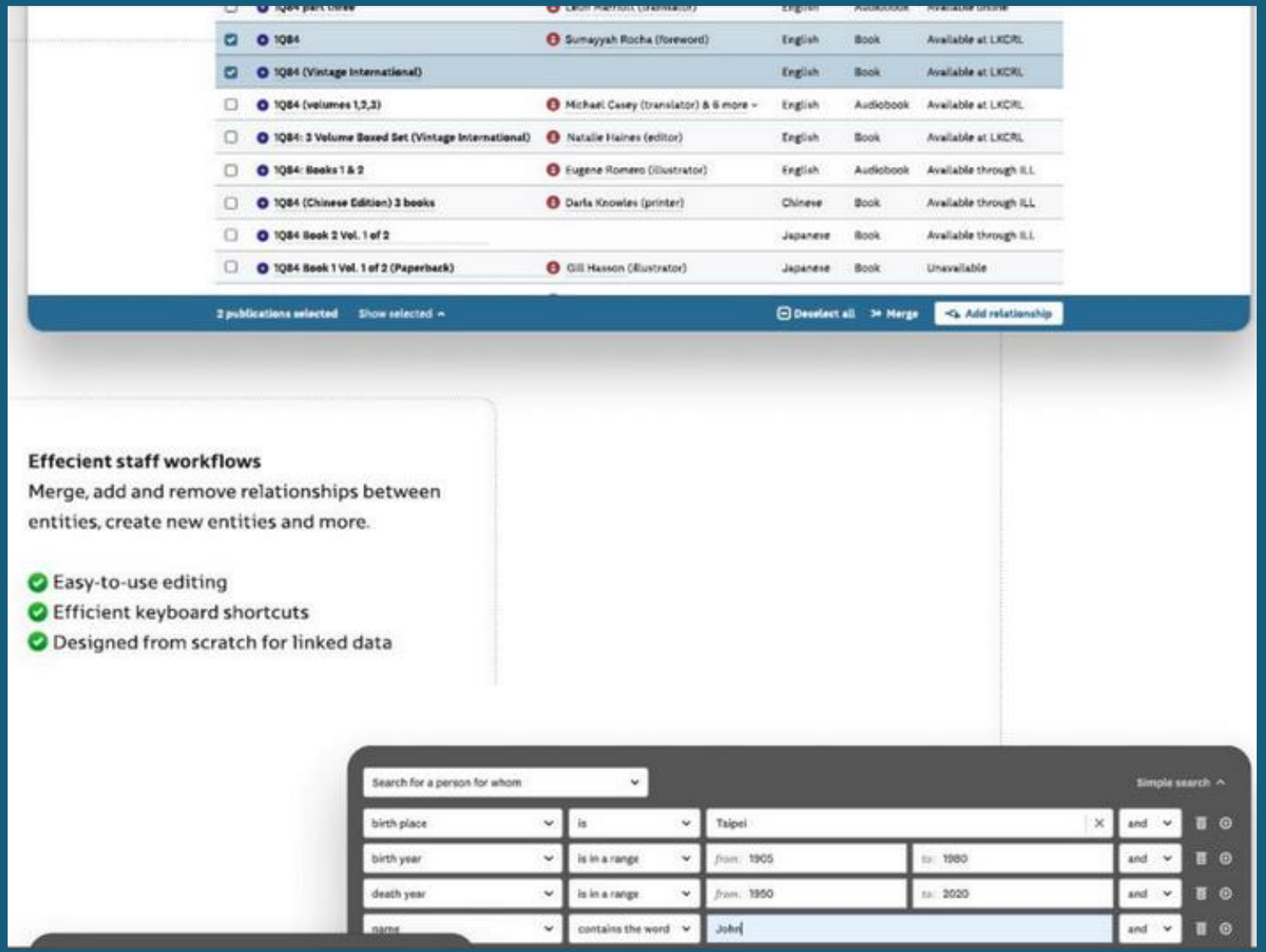
From SVDE Discovery Entity Portal



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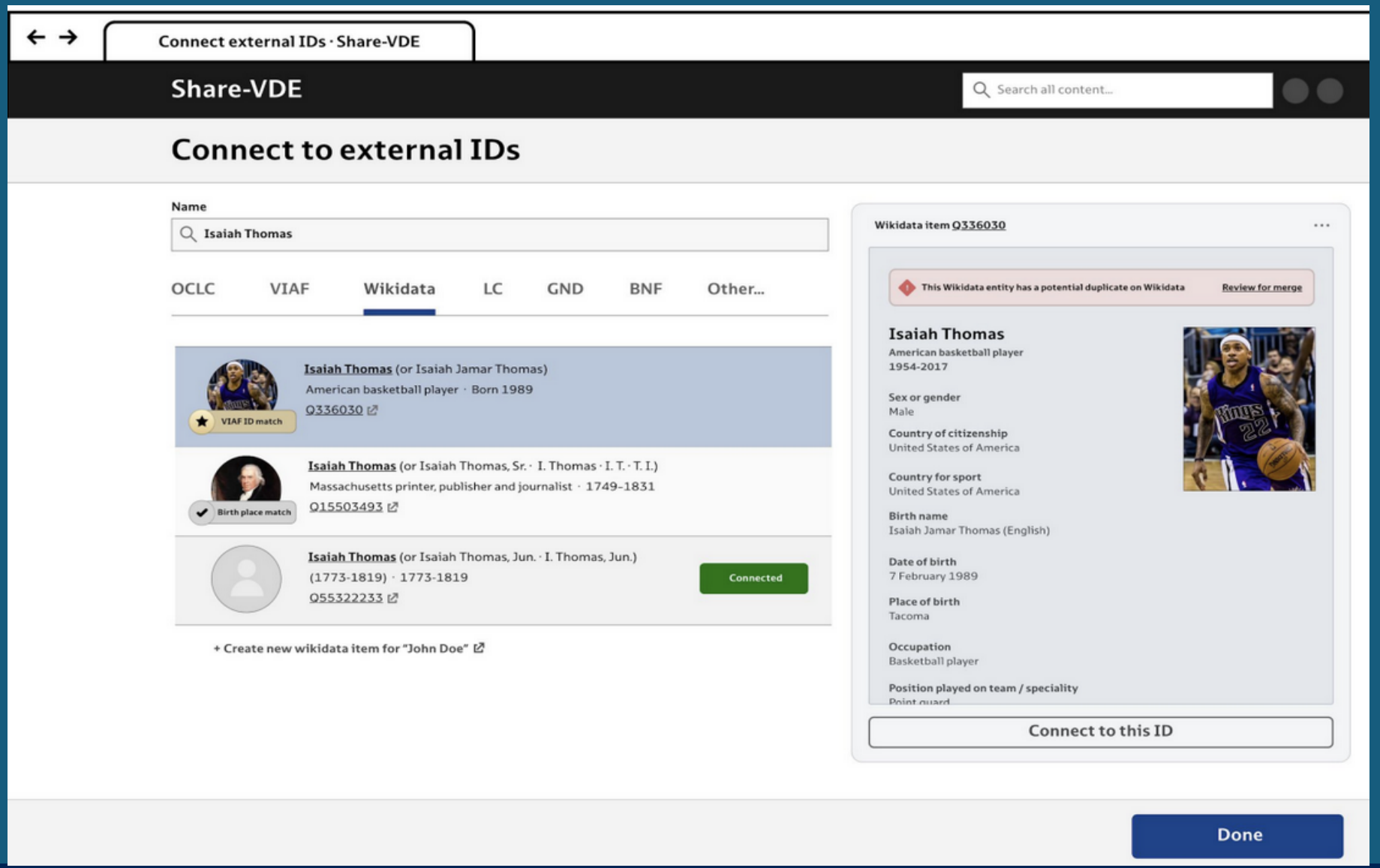

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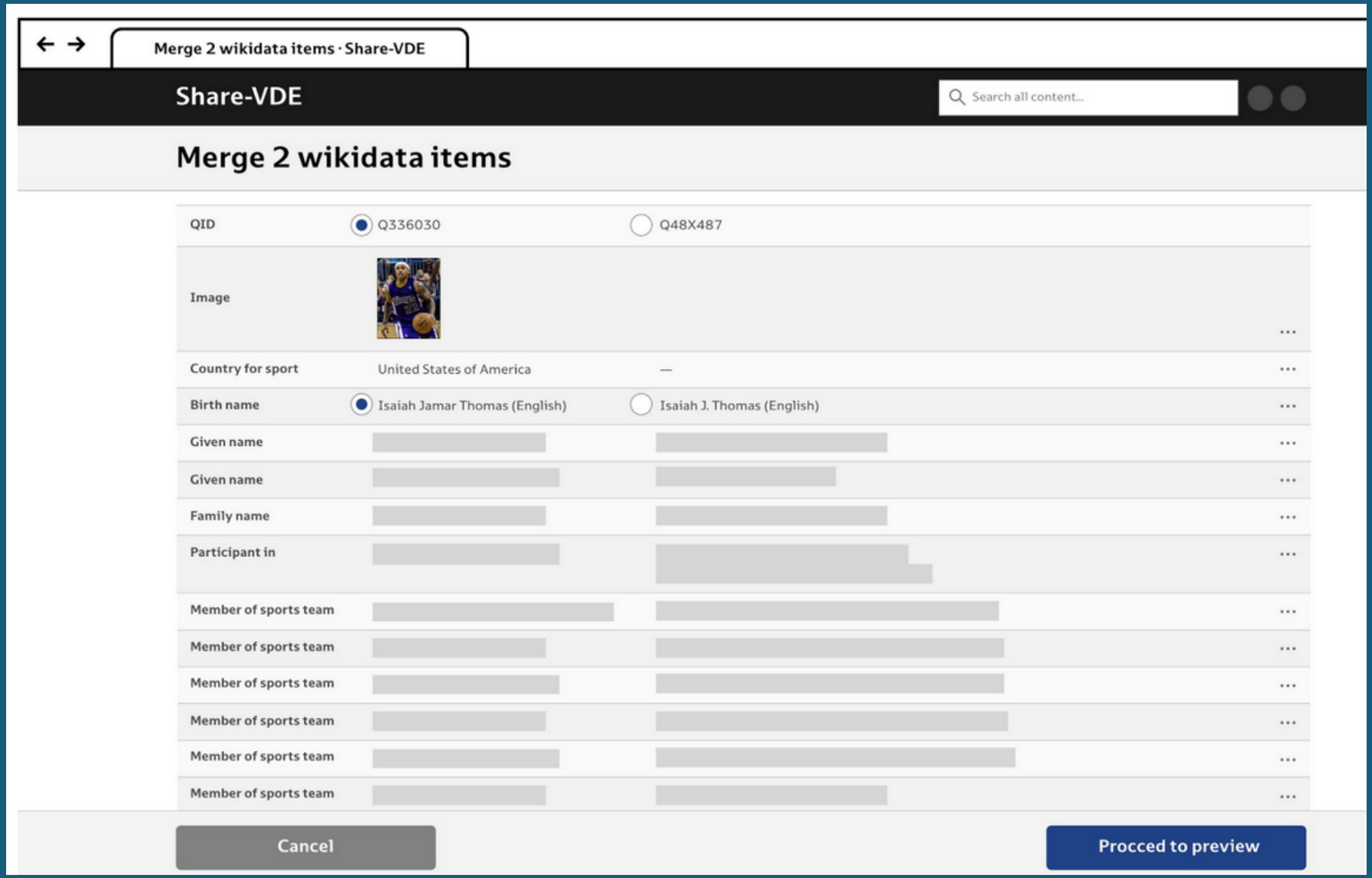

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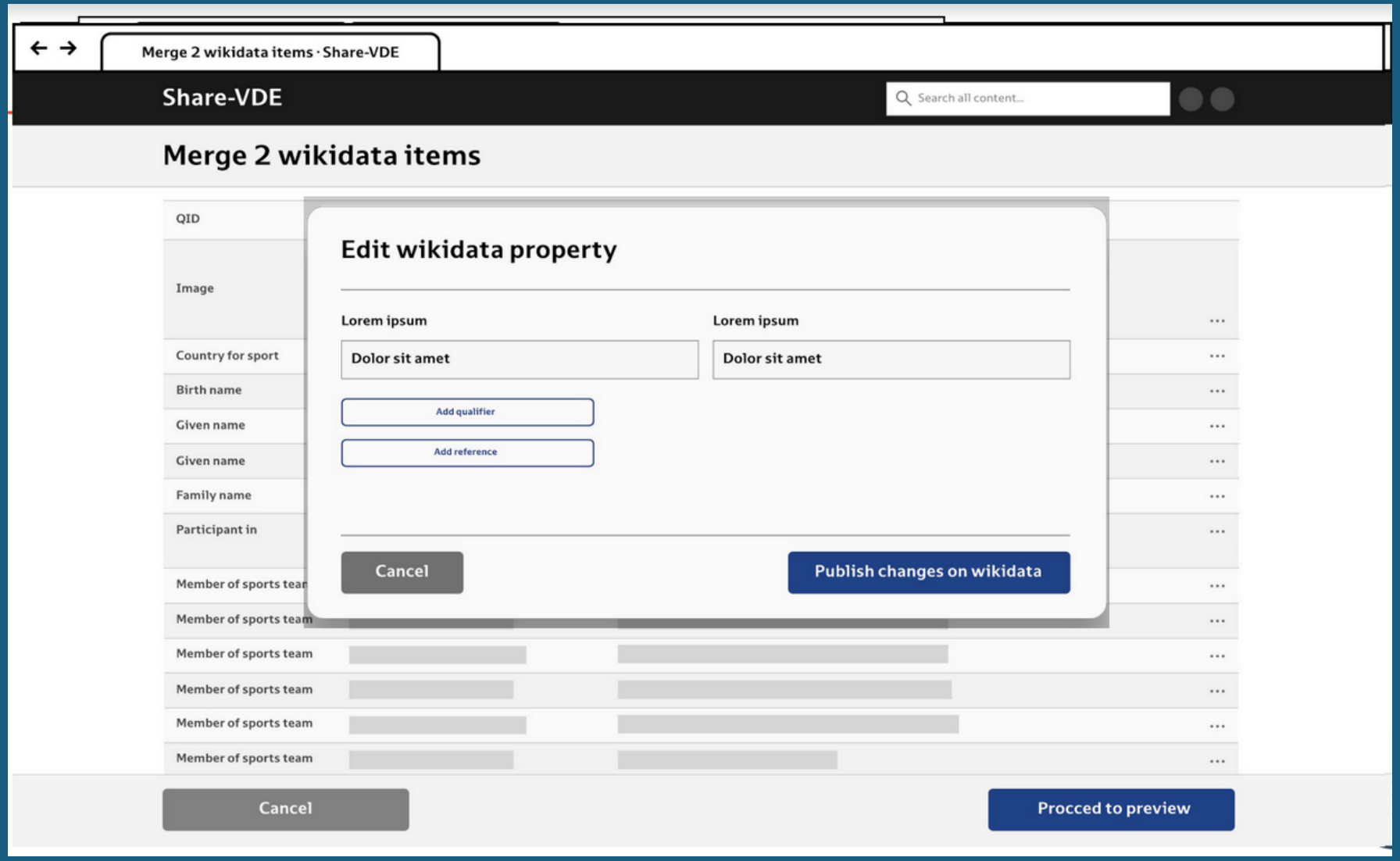

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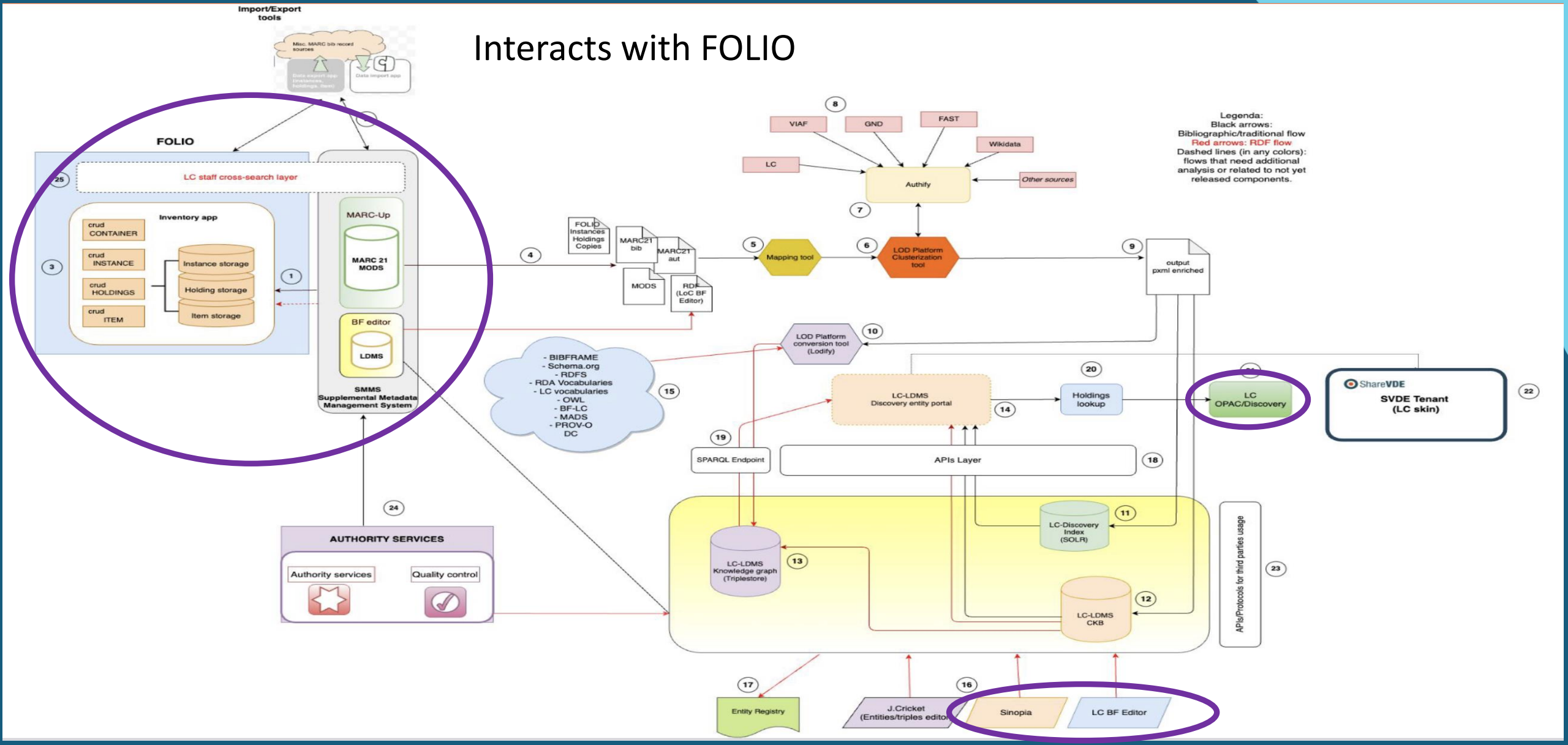
Features for resource sharing

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

Interacts with FOLIO



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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

https://wiki.share-vde.org/wiki/ShareVDE:Members/Share-VDE_working_groups

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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

  https://www.kbr.be/en/agenda/linked-data-and-international-standards-for-cultural-heritage/
- European BF 2022 (Sep 22): SVDE and BIBFRAME

  (free: in person in Budapest and online)

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

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