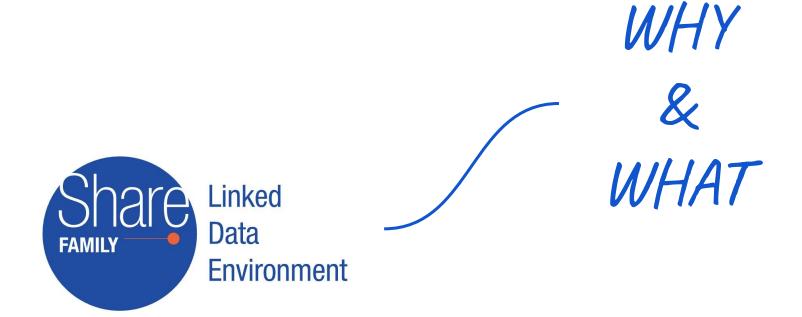




Tiziana Possemato @Cult - Casalini Libri

Linking entities for connecting content Facilities of linked open data





Knowledge is shared by member libraries

Why Share...



supports libraries, archives and museums in the transition from traditional cataloging environments to innovative models based on entity management



exploits the potential of linked open data to connect and present library information in enriched, integrated and dynamic ways



improves visibility of all resources, including those that may previously have remained hidden in a traditional catalogue



Knowledge is shared by member libraries

Why Share...



Establishes a library-driven initiative steered by member institutions, to share knowledge, experience and skills

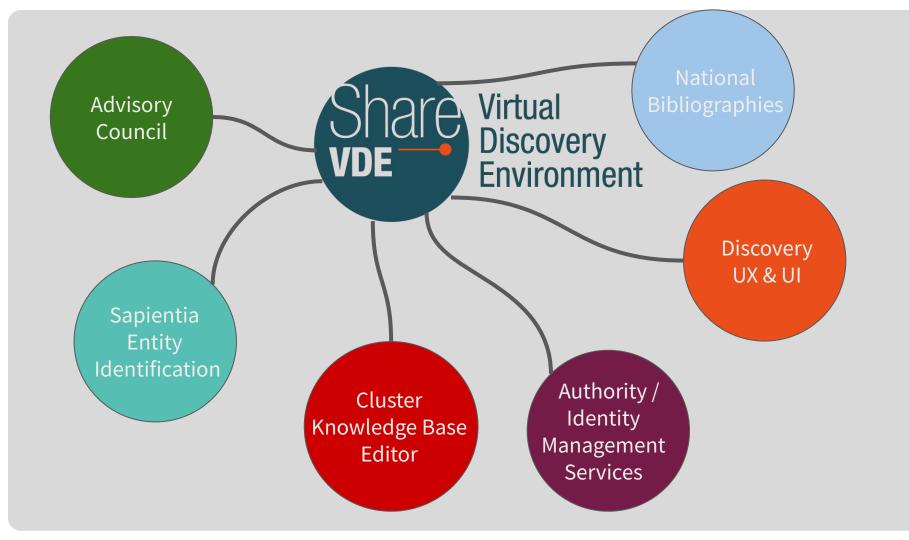


provides librarians and information professionals with advanced tools that allow direct interaction with data, extending and enhancing metadata services, that can be provided locally or in a shared environment

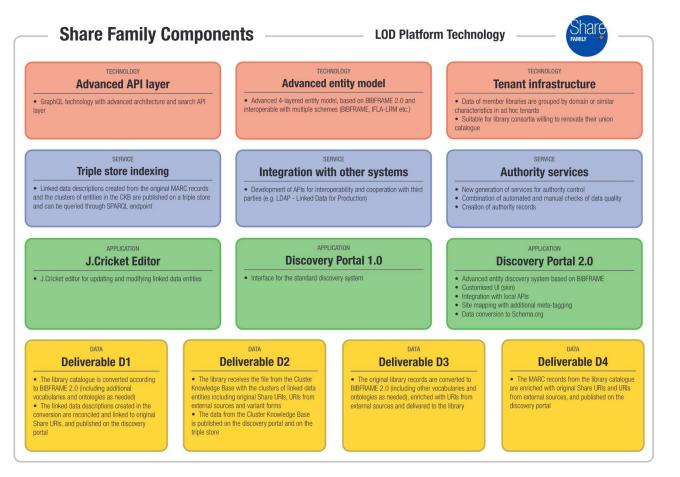


enables libraries, archives and museums to keep pace with web technology as it evolves



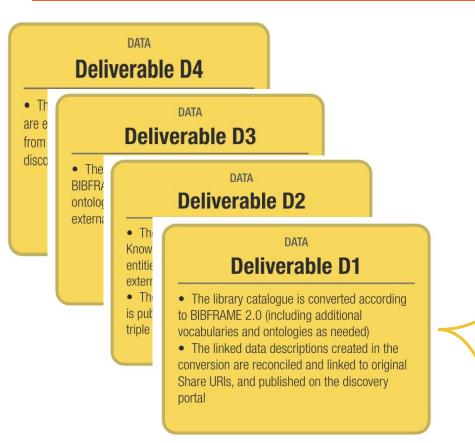


The options for your library





Deliverables



Data. enriched with information (URIs and values) from external authoritative sources and converted following the BIBFRAME data model. are available for the publication on the Share portal and for other library projects, both in Marc 21 enriched and in RDF.

Data can be enriched with specific
sources selected by each library, following their special and local needs



Entity Discovery Portal

SVDE 2.0 is supported by entity-based presentation layer reflecting BIBFRAME and the ad hoc SVDE extensions. The user experience is highly improved, hiding complexity to the end users

suppling with severe depression and poverty, committed suicide at the ape of 32. - Wikipedia

← van gegh, vincent search Search all content

B Rijksmussum Vinc

📫 Kubikat

Original works by

Filter original works

No. Title A

45 lettres à Vinc

Aardappeleters

Verson
 Vincent van Gogh

More options ~ Copy URI for this page https://cubikat-lod.org/agents/5416325

P² isel record

L² wikidata record L² Icnaf record L² Ionf record L² Viaf record

Download the page in these format

Nore information related to this person on other websites

	https://share-vde.org/hamlet-william-shakespeare-id5175821/library-publications-of-hamlet the state of the	Each library car
	😨 Penn Libraries Catalog Saarch all content	Q _ A Jane Doe -
ayer le ad lser ed,	• VERNE VALUE • VERNE VALUE • Or part with P <	own skin, to pre personalized in
, 1	8 results ADD FORMAT Pilter publications Q Availability Language All filters) Held at Penn	the Portal from
d users	Title Person name Language Locati	
R Q & dytions v Insist and influential figures Anish data (Particular data) and and influential figures and and an influence in		context
,		APPLICATION
	Dis	scovery Portal 2.0
o Cognitional Net Not Net Net Net Net Net Net Net Net Net Ne	Customised UI (sk Integration with lo	cal APIs additional meta-tagging

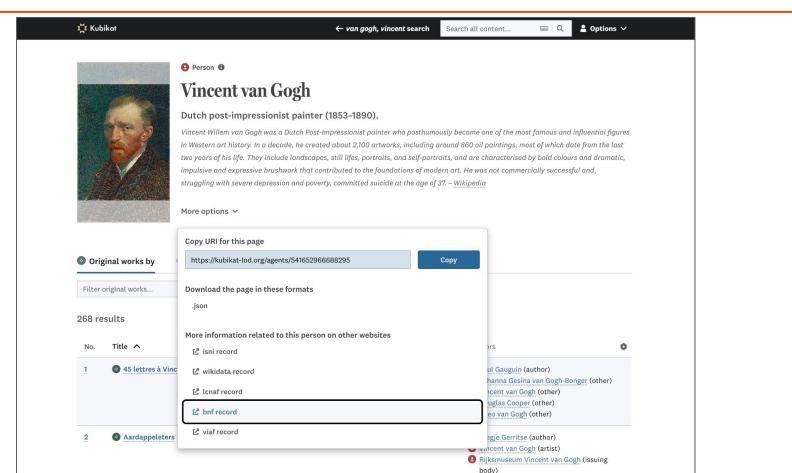
Each library can choose its own skin, to present a personalized image of its profile and its services, extending the functionality of the Portal from the shared environment to the local context

AMILY

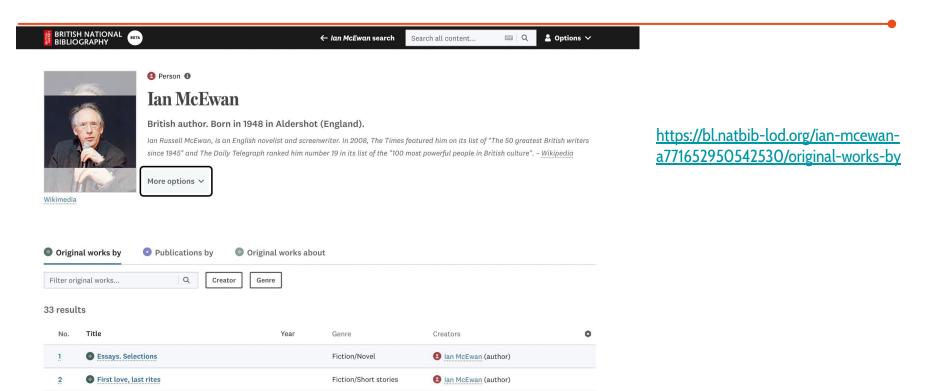
Share portal - The entity based portal to consume linked data

S na	ITEVDE BETA	←	- andrea camilleri search	rch all content 📼 🛛 🍳 🧧	Options 🗸
	Italian writer.	- Camilleri was an Italian writer. – <u>N</u>	pedocle (Italy). Died in 201 ^{Wikipedia}	19 in Rome (Italy).	
_	nal works by Publications	by Original works ab	7		
tter ori		Year Creator Genre]		
No.	Title	Year	Genre	Creators	٥
1	Rete di protezione		Fiction/Novel	Andrea Camilleri (author)	
2	Novels		Fiction/Novel	 Andrea Camilleri (author) Salvatore S. Nigro (other) 	
3	S Forma del acqua		Fiction	Andrea Camilleri (author)	
4	SESSAYS. Selections			 Andrea Camilleri (author) Lucio Caracciolo (editor) 	
5	Arlecchino o della sinistra			Andrea Camilleri (author)	
6	SEtà del dubbio		Fiction/Novel	 Andrea Camilleri (author) Stephen Sartarelli (other) 	
7	Memoirs. Selections		Autobiographies/Biography	Andrea Camilleri (author)	

Entity Discovery: the value of external sources to enrich data



Share portal - The skin to enhance the identity of the single library



(a) Ian McEwan (author)

Ian McEwan (author)
 Ian McEwan (author)

(an McEwan (author)

Fiction/Novel

Fiction/Novel

Fiction

Drama

3

4

5

6

Amsterdam

Child in time

Other minds

Soursweet

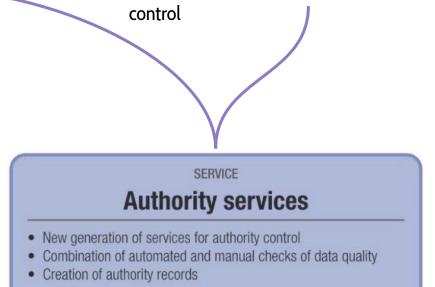


Enhanced Authority Services

casainilibri Authority Services Web	×					
Authority Record count, 4443400						
New Record: 3234274		POSITION	TAG	INDICATORS	CONTENT	
Updated Record: 715132						
Workdow ID [bitb1001 at ca-4at3-8d4e-chic10081083						
arrent locked recent for menual edit. (n. 852/10283						
and .						
swe second						
 Add New Dg 						
10). 11/80 20190	Delete	6	010	<u>v v</u>	\$an 85219263	
edir (5) Proses in woodig law	Delete	7	040	<u>v v</u>	\$#DLC&dDLC&dDLC	
Ting 000 00 07 00 10 11 12 13 14 10 17 28 33 4 1 1 1 1 1 1		8	100	1	SaSugarman, Nan D. Name '	le 1XX
	Delete	9	670	<u>\</u>	SaHigh tech real estate, c1985;\$bt.p. (Alan D. Sugarman, Merrill Lynch Realty)	
SWC INCOME.	Delete	10	670	<u>V V</u>	SaHis Commercial tenant's lessing transactions guide, 1991:SbCiP Lp. (Alan D. Sugarman) data sheet (b. 12-20-45)	
	Delete	11	920	<u>v v</u>	Sahttp://id.loc.gov/authorities/names/n85219263	
	Delete	12	921	<u>v v</u>	Sahttp://viat.org/viat/62991032	
	Delete	13	922	<u>v v</u>	\$ahttp://sni.org/isni/000000067490818	

Innovative solutions that facilitate and improve authority control through automatic and manual procedures.

- Libraries to receive constantly updates on their bibliographic and authority records from authoritative sources.
- Authority Services currently available for MARC-based workflows offer automated URI enrichment, reconciliation and validation of library data.



The next step is to make Authority Services available also for linked

data-based workflows - a truly new

generation of features for the authority

Cooperation & Interoperability

Cooperation and interoperability are key to Share technology: the use and the reuse of data, tools, ideas maximizes results and minimizes efforts

Integration with other systems

• Development of APIs for interoperability and cooperation with third parties (e.g. LD4P - Linked Data for Production)

Tools and protocols are being set-up for third parties' usage and data harvesting, including OAI-PMH, Atom feeds and Activity stream



Triple store publication - an open query endpoint

SVDE data are open, and usable through an open endpoint to retrieve them in RDF format through SPARQL queries

<http://id.loc.gov/vocabulary/mstatus/c> <http://www.w3.org/2000/01/rdfschema#label> "changed" <https://svde.org/agents/UPENN> <https://svde.org/AdminMetadata/upenn9916551383503681> <http://id.loc.gov/ontologies/bflc/encodingLevel> <http://id.loc.gov/vocabulary/menclvl/f> <https://svde.org/agents/UPENN>. <http://id.loc.gov/vocabulary/menclvl/f> <http://www.w3.org/1999/02/22-rdf-syntaxns#type> <http://id.loc.gov/ontologies/bflc/EncodingLevel> <https://svde.org/agents/UPENN>. <http://id.loc.gov/vocabulary/menclyl/f> <http://www.w3.org/2000/01/rdf-schema#label> "full" <https://svde.org/agents/UPENN> . <https://svde.org/AdminMetadata/upenn9916551383503681> <http://id.loc.gov/ontologies/bibframe/descriptionConventions> <http://id.loc.gov/vocabulary/descriptionConventions/aacr> <https://svde.org/agents/UPENN> . <http://id.loc.gov/vocabulary/descriptionConventions/aacr> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://id.loc.gov/ontologies/bibframe/DescriptionConventions> <https://svde.org/agents/UPENN> . <http://id.loc.gov/vocabulary/descriptionConventions/aacr> "aacr" http://id.loc.gov/ontologies/bibframe/code>"aacr" http://svde.org/agents/UPENN, <https://syde.org/AdminMetadata/upenn9916551383503681> <http://id.loc.gov/ontologies/bibframe/identifiedBy> <https://svde.org/UPENN9916551383503681 Local 001/83d25d24-2db9-4d7a-868e-8d7d11827a4b> <https://svde.org/agents/UPENN> <https://svde.org/UPENN9916551383503681 Local 001/83d25d24-2db9-4d7a-868e-8d7d11827a4b> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>

SERVICE Triple store indexing

• Linked data descriptions created from the original MARC records and the clusters of entities in the CKB are published on a triple store and can be queried through SPARQL endpoint

> The core of SVDE integrated catalogue, ie. the Cluster Knowledge Base of linked data entities created from SVDE institutions' data, is published on a public query interface



Advanced API layer - Easily use our data!

SVDE 2.0 back-end infrastructure leverages an advanced API layer orchestrating queries to SVDE data from the web discovery portal and from machine to machine applications

The API layer is designed to respond to the increasingly complex search logic, the update to the entity model and the enhancement to the Cluster Knowledge Base

- Two API protocols: GraphQL API and REST API
- All Share-VDE entities are exposed through (read-only) API
- Search API provide several shapes / context behaviour (e.g. simple, advanced search, partial or full match, exact matches suggestions, terms modifiers, results explanation)
- Three query languages: TermsQL, SVDEQL, StructQL

Advanced API layer

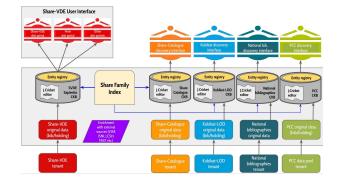
GraphQL technology with advanced architecture and search API layer

Tenant infrastructure - Community and autonomy

TECHNOLOGY

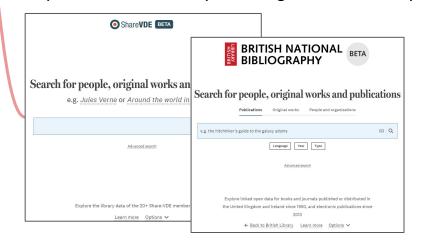
Tenant infrastructure

- Data of member libraries are grouped by domain or similar characteristics in ad hoc tenants
- Suitable for library consortia willing to renovate their union catalogue



The Share Family community includes different branches and sister projects, supported by the same technology. Each branch is hosted in a specific tenant of the system, ie. a group of institutions contributing to the same data pool.

This structure ensures autonomy of approach to data management for each tenant, but also cooperation, because all tenants are connected as part of the same "family", and long term sustainability.

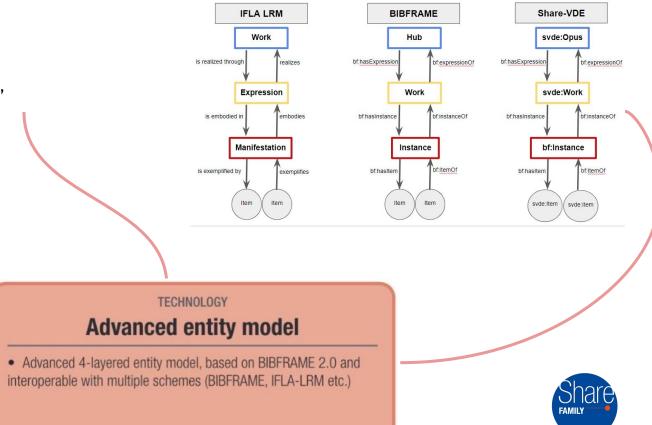




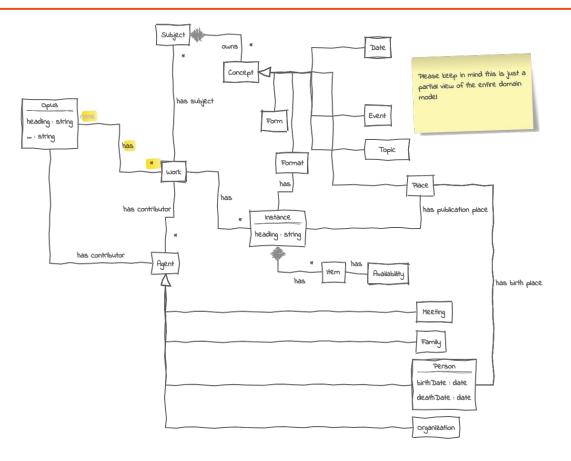
Interoperable entity model

The approach to the SVDE entity model is to make it as much interoperable as possible, to facilitate data exchange with other systems.

It is based on BIBFRAME ontology, with ad hoc extensions to support interaction with IFLA LRM-based models.



Share-VDE: the Domain Model

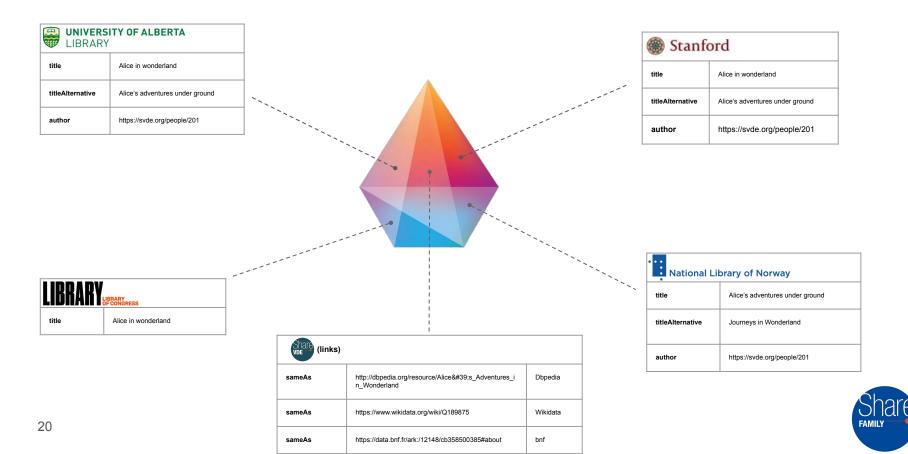




The Entity as a "Prism"



Share-VDE Cluster: the Prism



Properties: Attributes, Relationships, Links



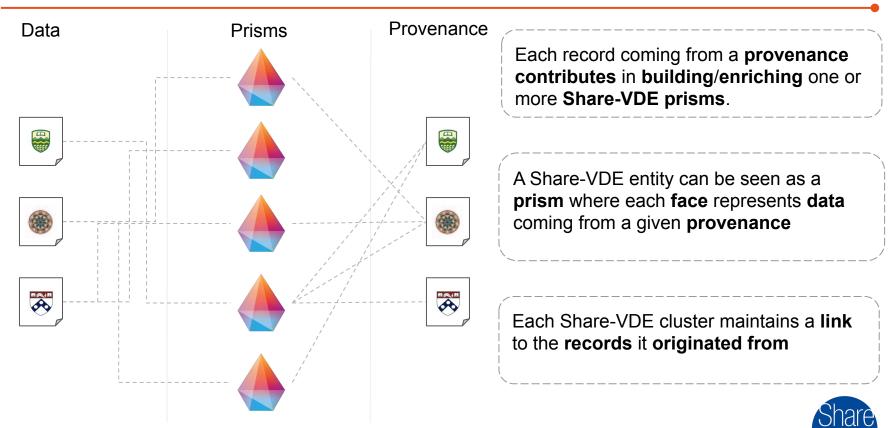


An attribute is a data property, having a literal as value

Share			
sameAs	http://dbpedia.org/resource/Alice's_Adventures_in_Wonderland	Dbpedia	
sameAs	https://www.wikidata.org/wiki/Q189875	Wikidata	 A link is a connection between a Share-VDE Prism and an
sameAs	https://data.bnf.fr/ark:/12148/cb358500385#about	bnf	external reference



Prism: Record-Level Provenance



Sapientia Edit API: JCricket





JCricket Editor - The Entity Management System

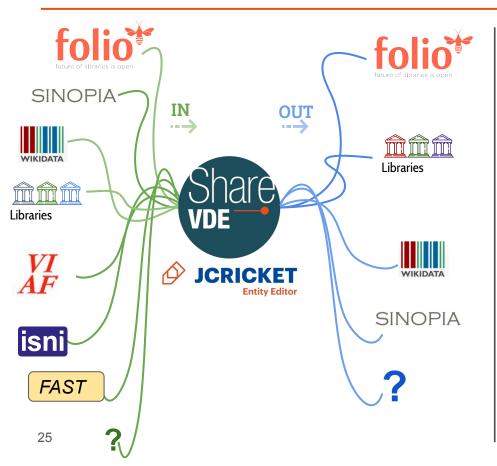
* [Edit: "Isaiah Thomas" · Share-VDE			
	Share-VDE		Q. Search all content	
	Isaiah Thomas > Edit			
	Manual review needed - This cluster was autor	matically created and is likely in need of many	alreview Matthathin X	
	Person	ah Thomas	→ Connect external IDr-Share-VDE	
			Share-VDE	Q. Search all content
	Cluster metadata Co	onnected external II	Connect to external IDs	
	Source ID Name OCLC 67 21X1241 Isalah Thomas	Born Died Confidence	Name O, Jasish Thomas	Witches Inst 0336030
	VIAF L ⁰ 1568/019 Isalah Thomas	1989 Automatically	OCLC VIAF Wikidata LC GND BNF Other	This Webless entry has a potential displaces on Withdata Enclosed account
	LC Lf 1922642 Such Thurst Witking of Successful Successful Thurst Witking of Successful Successful Thurst Mark Damage (Fragment Successful Thurst) Successful Thurst	1773 1819 Automaticalls	Articlassi (r. hand have: "formal) (but that and an approximation of the state of the state of the state of the state of the state of the state of the state of the state	Build B
			APPLICATION J.Cricket Ed • J.Cricket editor for updating and modi	ditor

JCricket is an entity editor that carries out the transition from Marc to a real Entity Management System.

JCricket acts on the entity database
(CKB) created through Entity Resolution and clustering processes

"The more the merrier" it's a perfect vision in a collaborative community. But each library has also local needs: the architecture of J.Cricket allows to operate locally or centrally, creating a collaborative group that does not forget local specificities.

Share-VDE: Share Virtual Discovery Environment



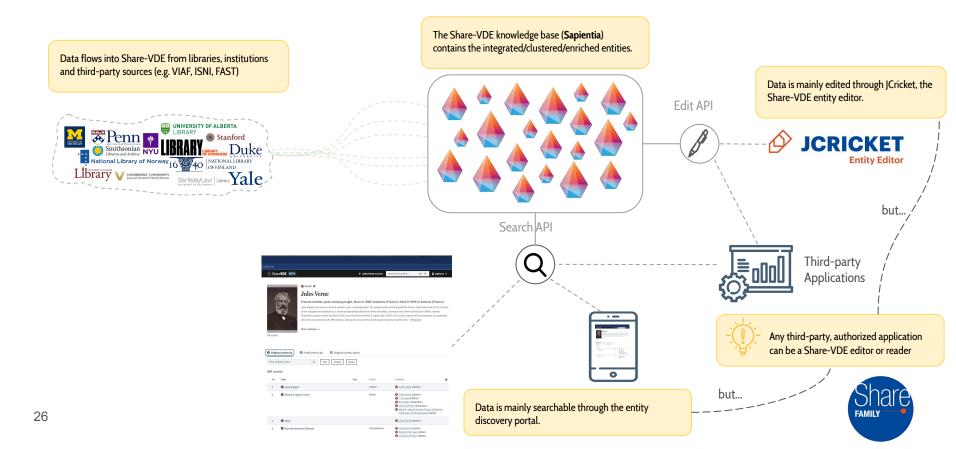
In a Nutshell

Share-Virtual Discovery Environment is a library-driven initiative which brings together, in a shared discovery environment, the bibliographic catalogues and authority files of a growing number of leading academic and national libraries from across North America and Europe.

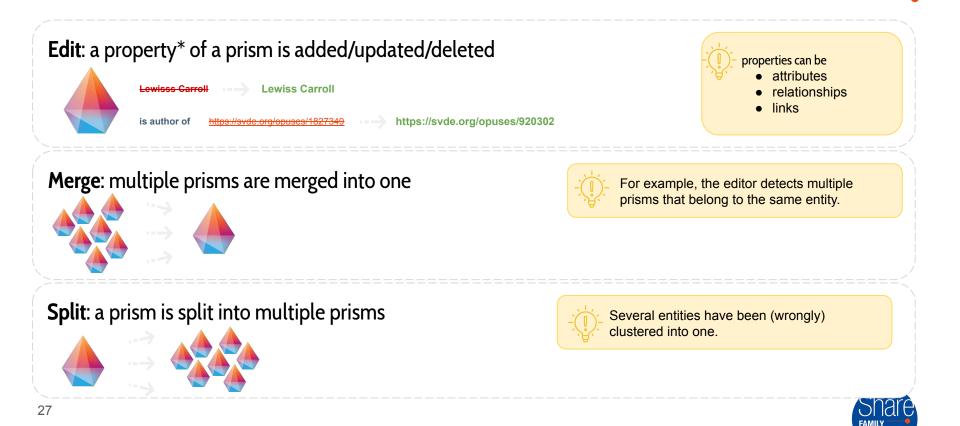




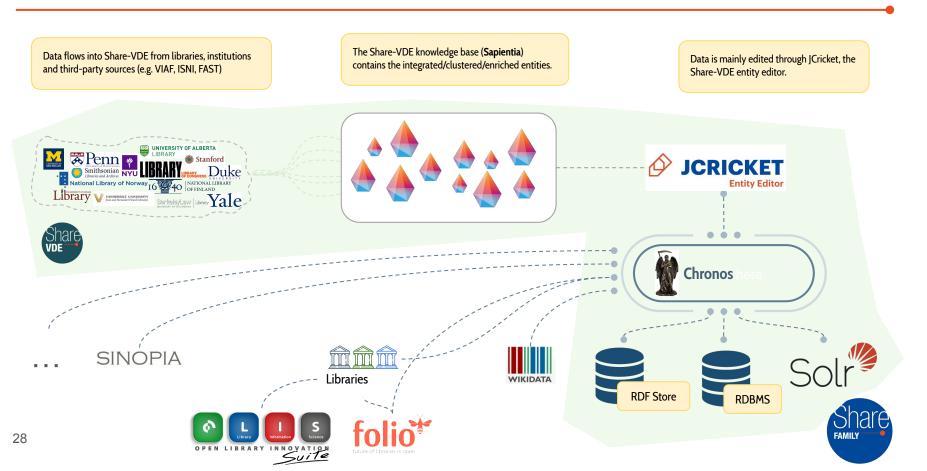
The Big Picture: from Genesis to Edit



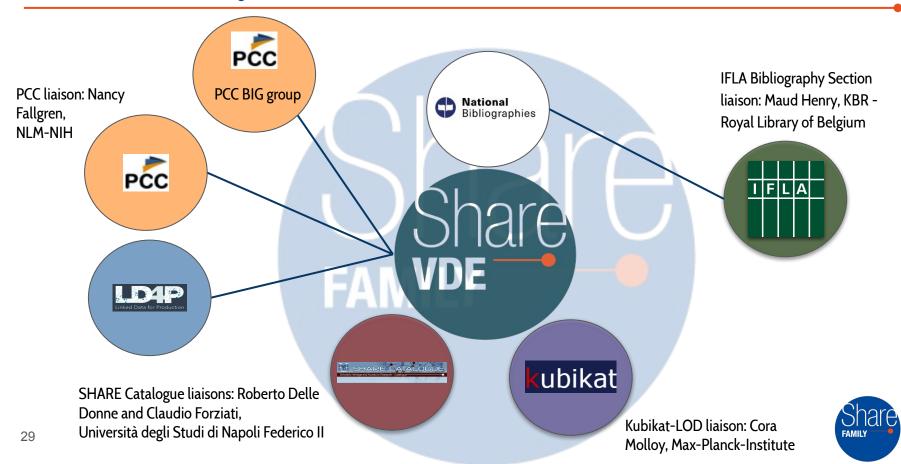
JCricket: Edit Scenarios



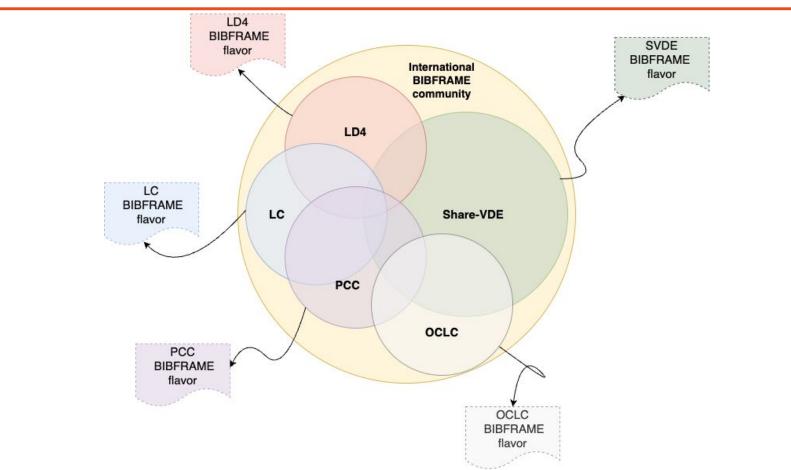
Outbound Connectors Architecture



Share Family and Share-VDE liaisons



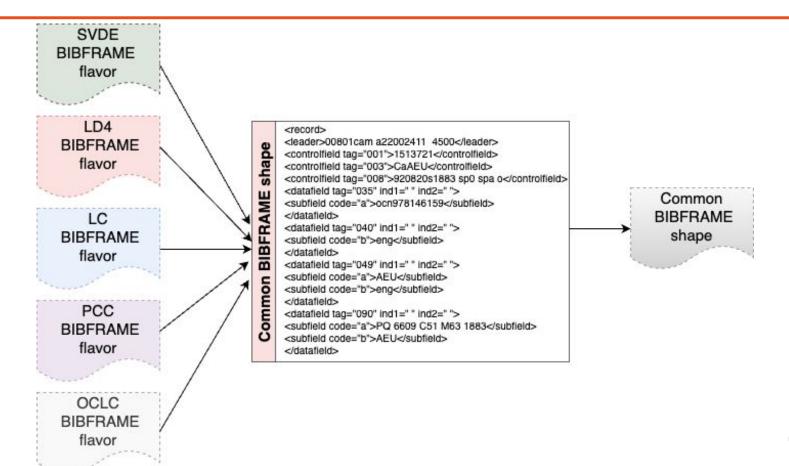
BIBFRAME communities engagement - Various BF flavors



30



BIBFRAME communities engagement - Various BF flavors



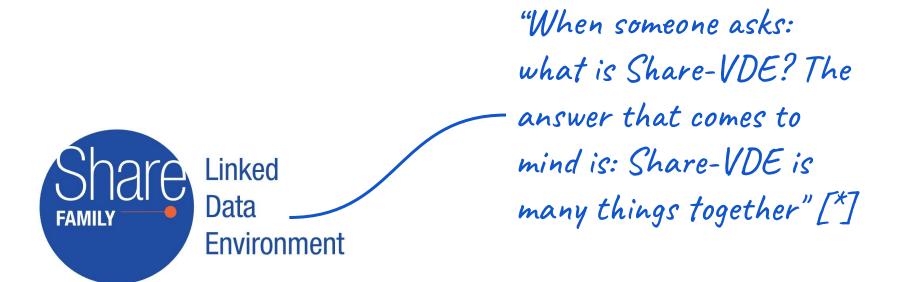


Get involved!

Becoming part of the global Share Family means sharing data and co-operating with the greater international library community

The family continues to expand as more and more libraries worldwide embrace the opportunity to be involved in an international network of information, creating dialogue, participation and partnership Share

Get in touch with us to find out more about how the Share family can help your library: <u>info@svde.org</u> <u>https://wiki.svde.org/</u> <u>https://www.svde.org/about/about-share-vde</u>



[*] Cit. Beth Picknally Camden (University of Pennsylvania Libraries)

Share - News & Updates on Wiki

Share Discovery Environment			Q. Find	0	Ð				
1	۵	=	ShareFamily: NewsAndUpdates	Page 🔻 Disc	ussion				
1.1			⊘ No categories assigned						
Highlights Share-VDE: linked data for librar	^								
Share-VDE: Inked data for librar About this wiki	•		Share Family news and updates						
All pages			y						
			Last edited 22 days ago by Anna Lionetti						
Share Family	~								
About the Share Family									
News and updates			Find out the latest news about the Share Family of initiatives & and the most relevant updates on the developments ge branches of the family.	oing on within the va	rious				
Share-VDE	^								
About Share-VDE			Contents [hide]						
Share-VDE institutions			1 Share-VDE and Share Family Summer and Autumn 2022 events (September 2022)						
E FAQ			2 Share-VDE and Share Family periodic update (May 2022)						
Share-VDE resources			Share-VDE and Share Family New Year update (January 2022) Share-VDE and Share Family periodic update (October 2021)						
			 Share-VDE and Share Family periodic update (October 2021) Share-VDE periodic update (November 2020) 						
Activities	^		6 Share-VDE achievements in 2019						
Strands of work									
Working groups			Share-VDE and Share Family Summer and Autumn 2022 eve	ents					
Members area	~		(September 2022)	-					
Community work									
Share-VDE workshop			September and the coming autumn are continuing a rich set of conferences where Share-VDE and the wider Share F contribute with presentations and speeches. As you might already know, on September 20 th – 21 st the BIBFRAME Wo						
How to			take place in Budapest, with a pre-meeting on Monday 19 th specific to SVDE.						
 Materials for wiki administrators 			After visiting Frankfurt, Florence and Stockholm, and two online editions, the 2022 workshop will be a free hybrid ever Széchényi Library. This year's focus will be on BIBFRAME in operation, new developments and interoperability.	nt, hosted by the Nat	tional				
Technical documentation	^		The aim of the BIBFRAME Workshop in Europe is to be a forum for sharing knowledge about planning, practice and p BIBFRAME implementation. The intention is to bring together the community working or interested in the transition fro						



https://wiki.share-vde.org/wiki/ShareFamily:NewsAndUpdates



Thank you



https://wiki.svde.org/ https://svde.org info@svde.org