

swisscollections

Un portail de découverte basé sur le logiciel libre VuFind

Journée LibreABC, 31 août 2023, MEG Genève

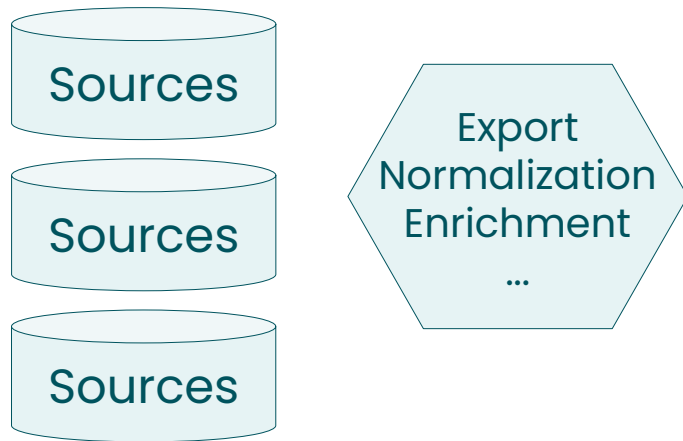
Lionel Walter – arbim IT
lionel.walter@arbim.ch



Agenda

- How does a discovery tool work ?
- swisscollections : why and demo
- VuFind

The layers of Discovery



Normalization – Enrichment

- Map to a common data model (not always...)
- Normalize dates
- Normalize document types
- Filter out fields or records
- Deduplicate
- Enrich with geo-coordinates
- Enrich with GND variants
- ...

The layers of Discovery



Search engine

- Relevance, scoring
 - Boosting
 - Phrase
 - Favor some documents (recent ones...)
- Autosuggest (must be very fast and relevant)
- Facets

Search engine: Text analysis

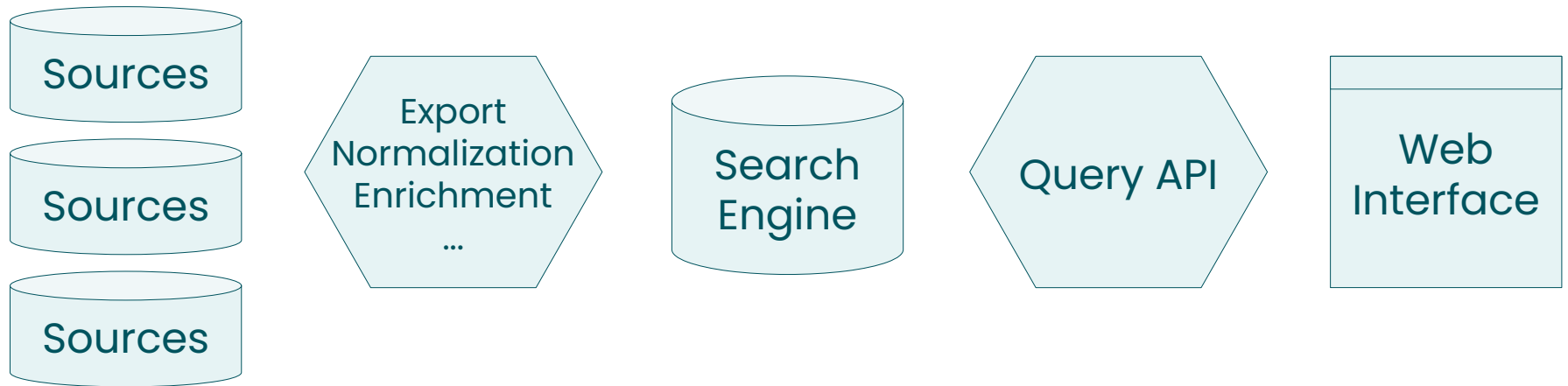
#Yummm :) Drinking a latte at Caffé Grecco in SF's historic North Beach... Learning text analysis with #SolrinAction by @ManningBooks on my i-pad.



Major Search engines

- Apache SOLR
- Elasticsearch

The layers of Discovery



Competition

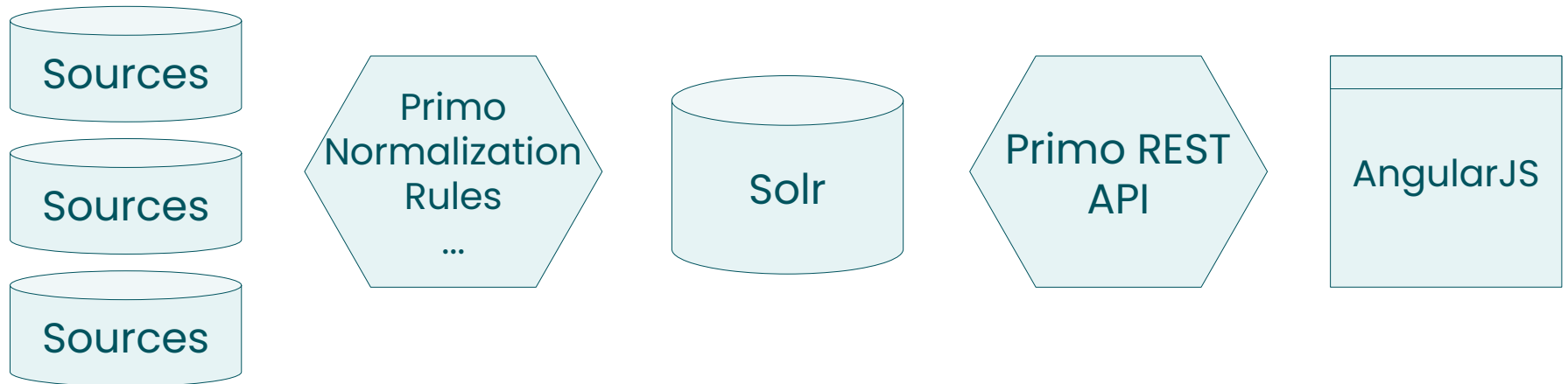
- Amazon & 1-Click ordering
- Google Scholar
- Airbnb / Booking
- Galaxus
- etc.

Web Interface

- User Experience
- Design
- Information architecture

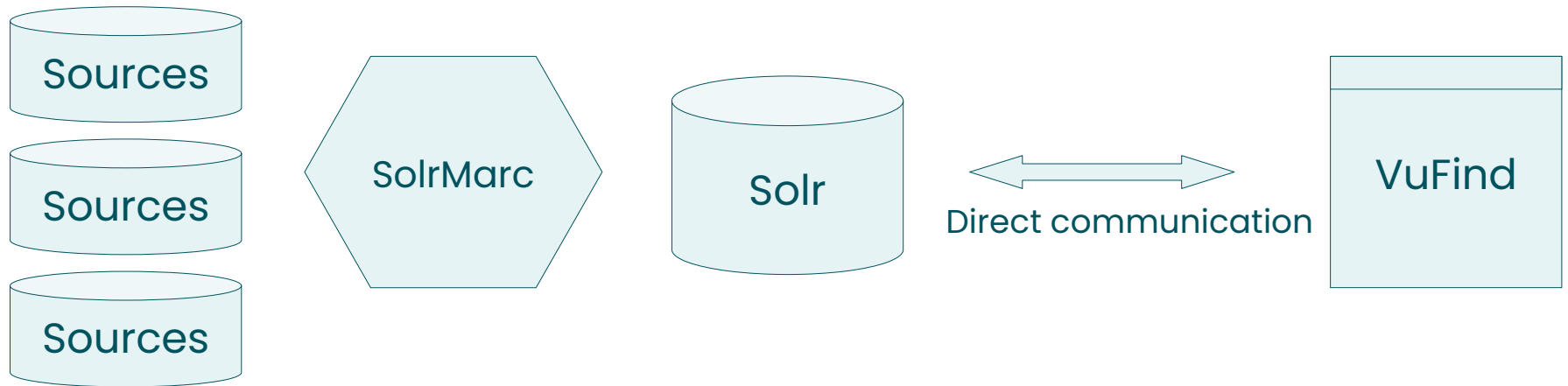
ExLibris Primo

- Commercial major player in Discovery for academic libraries



VuFind

- Open Source major player in Discovery

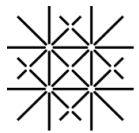


Others

- RERO ILS (Invenio + Elasticsearch + Angular)
- ExLibris Summon
- Ebsco Discovery
- Worldcat Discovery
- Lukida
- Blacklight
- ...

Use Case swisscollections

- Start of the project : 1.8.2020
- Go-live : 1.4.2021
- <https://swisscollections.ch>



Universität
Basel

Universitätsbibliothek



swisscollections

swisscollections is your gateway to historical and modern collections in Swiss libraries and archives.

In **swiss**collections, you can find archive material, images, old prints and rare books, film material, manuscripts, maps, music recordings, sheet music, text recordings as well as listings in bibliographies of cantons.

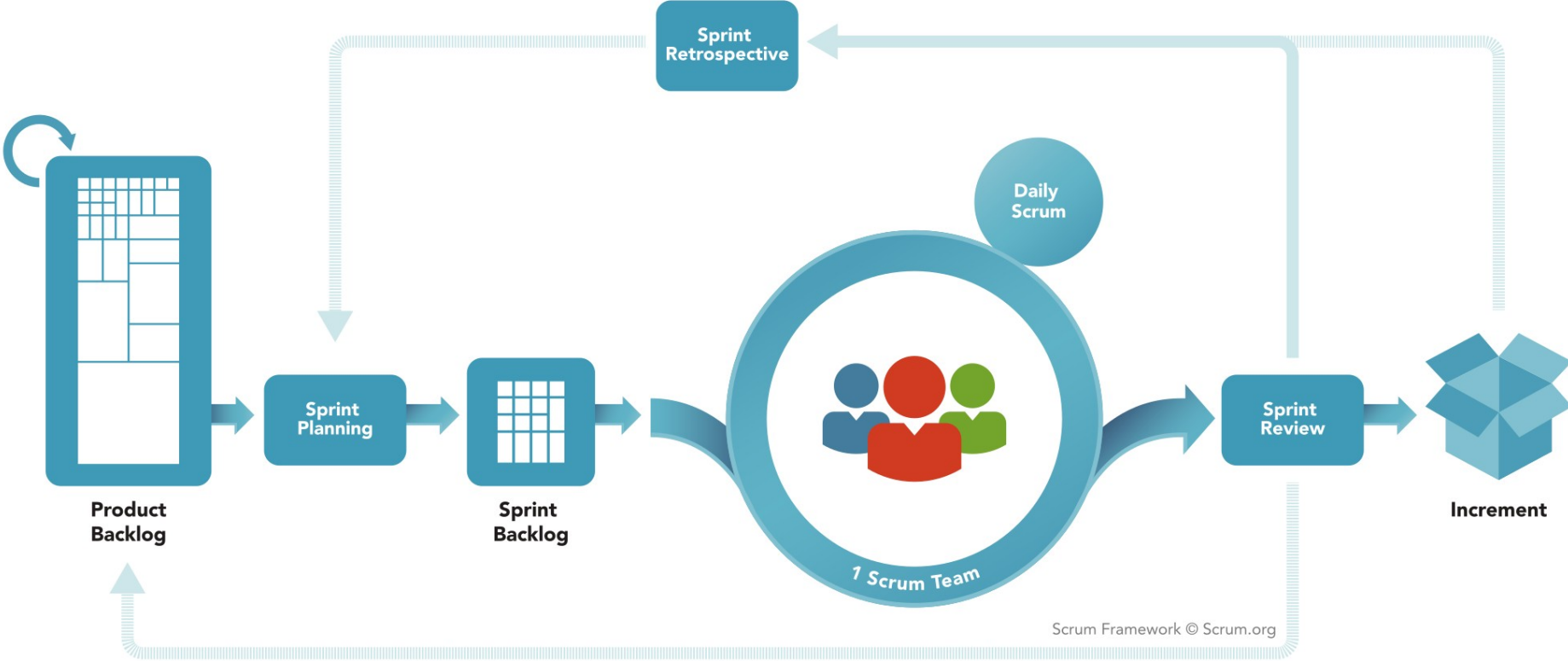
Founding Members

- Kantonsbibliothek Appenzell Ausserrhoden
- Universitätsbibliothek Bern
- Kantonsbibliothek Vadiana St. Gallen
- Universitätsbibliothek Basel
- Zentral- und Hochschulbibliothek Luzern
- Zentralbibliothek Solothurn
- Zentralbibliothek Zürich

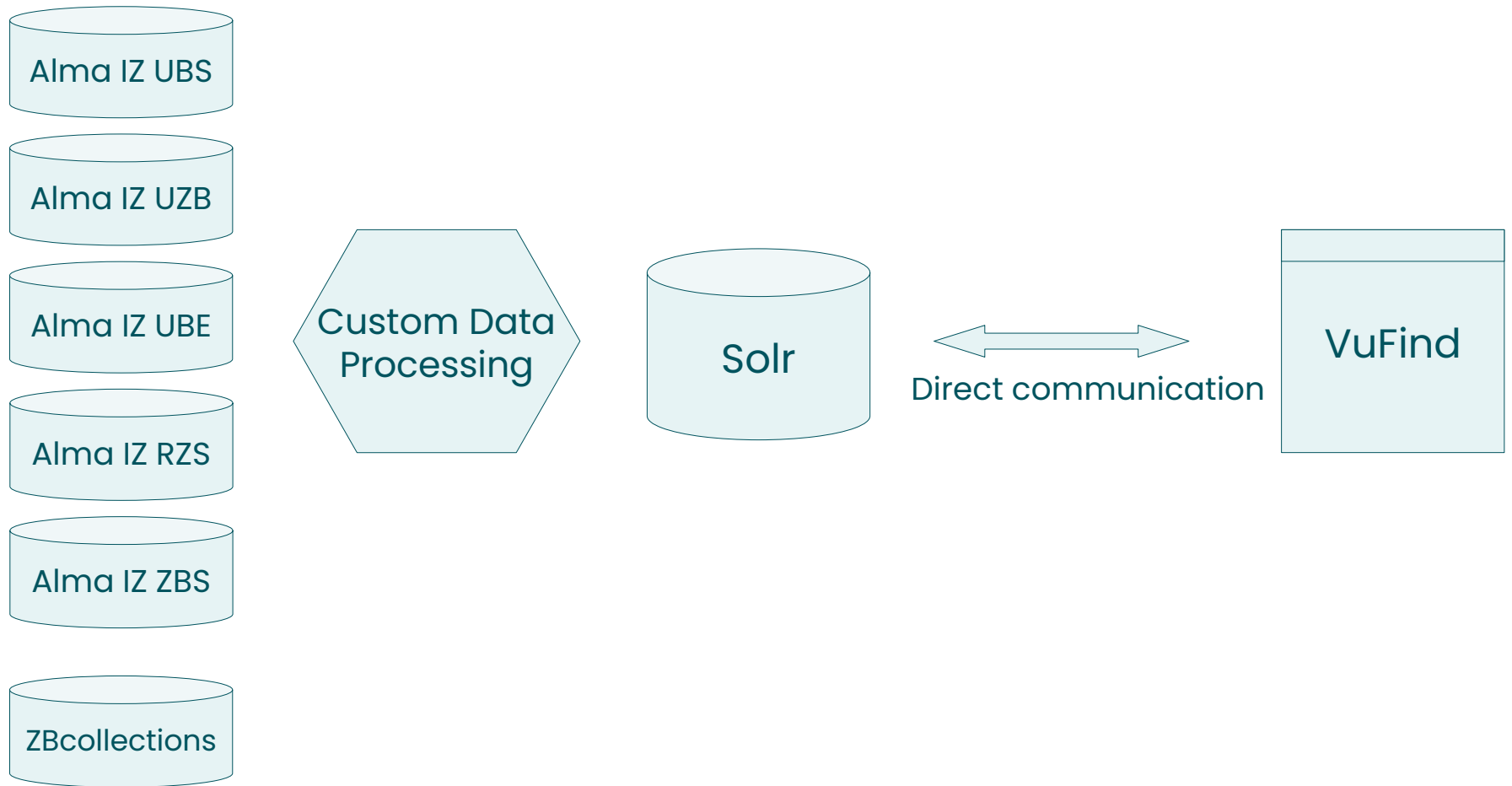
Methods

- Agile Development (Scrum)
- Openness (Software, communication)
- «Maker» spirit
- Scrum values : Commitment, Focus, Respect, Courage

Scrum Framework



swisscollections



swisscollections Demo

<https://swisscollections.ch>

Containers (Docker)



Kubernetes

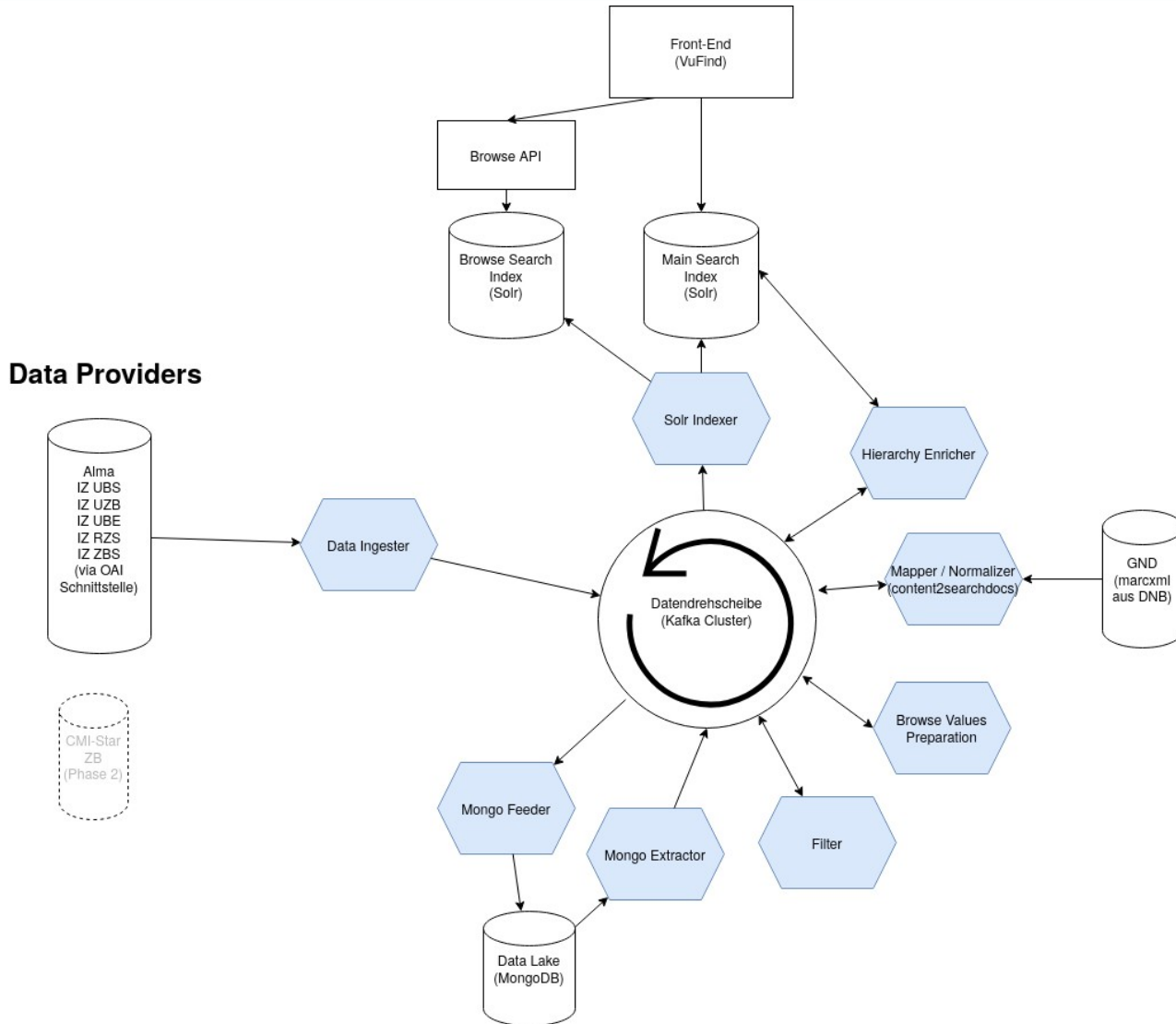


Kafka (messaging)

By Eirdrokan - Own work, CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=35924692>



Architecture



Links and Source Code

- swisscollections : <https://swisscollections.ch>
- Source code :
<https://gitlab.switch.ch/swissbib/swisscollections>
- Open source ! Could be reused in other contexts

VuFind

- Open Source Discovery Software for Libraries
- Written in PHP (Laminas Framework)
- Big community, especially in the U.S. and in Germany
- Some professional companies doing support
- <https://vufind.org>



Main strengths

- Very flexible and customizable
- All usual features are available : facets (also hierarchical), autocomplete, my account, lists, ordering, ...
- Big community, mature software (started 2010)
- Now part of the Open Library Foundation
- Interoperable with a lot of library systems (Alma, Koha, EDS...), e-resources indices (ExLibris CDI, Summon, ...) and discovery tool of choice for Folio, the open source Library Service Platform
- Open source !

Main weaknesses

- Technology is not cutting edge (PHP Laminas Framework)
- The software is quite complex. Not very suitable for small projects
- Version migrations are not always easy
- Core development team remains small

Knihovny.cz

Domestic resources International resources Libraries directory [?]

open



In All Fields ▼

Find [?]

[Advanced search](#)

[Geographic Search](#)

Refine Results [?]

Show 20 ▼

1 - 20 of 74,605

Sort by most relevant ▼

Institution

town, library, ...

Institutions

Others

Document Type

Books 40,361

Periodicals 16,851

Articles 9,779

Others 3,049

Audio 1,647

Theses 1,139

↓ more...

Online Availability

unknown 30,701

protected 14,455

DNN: available for registered 6,879

available online 1,587

available for registered 69

Subject

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Open : the story of human progress

Johan Norberg, 1973-

2020

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Found in 2 institutions

National Library of Czech Republic

Portal CASLIN



Open : an autobiography

Andre Agassi, 1970-

2010

Autobiografie Andreho Agassiho je upřímnou výpovědí jednoho z nejlepších tenistů nedávné minulosti. Agassi se šokující otevřeností popisuje svůj tenisový i soukromý život, a to od ...

[Books](#)

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Found in 2 institutions

Ústí Regional Library

Moravian-Silesian Research Library in Ostrava



Open : otevřená zpověď

Andre Agassi, 1970-

2010

Autobiografie Andreho Agassiho je upřímnou výpovědí jednoho z nejlepších tenistů nedávné minulosti. Agassi se šokující otevřeností popisuje svůj tenisový i soukromý život, a to od ...

[Books](#)

Found in 49 institutions

The Library of the City Olomouc

Municipal Library in Znojmo

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open|



All fields ▾



Advanced search



All materials ?

Educational resources ?

NARROW SEARCH

Available online 34,246

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CONTENT TYPE ▲

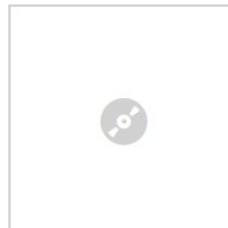
- ▶ Book material 40,010
- ▶ Thesis 14,828
- ▶ Journal/Article 13,095
- ▶ Other/Undefined 10,178
- ▶ Text, other 7,791
- ▶ Sound 5,123
- ▶ Archive/Collection 1,743
- ▶ Musical score 1,088
- ▶ Image 887
- ▶ Video 498
 - Physical object 192
 - Educational resource 91
- ▶ Game 88
- ▶ Work of art 56
- ▶ Map 20

AUTHOR ▾

TOPIC ▾

Showing 1 - 20 results of 94,195 →

Sort **Relevance** ▾ Results per page **20** ▾ Show as **Information and pics** ▾



Statues

CD

Open -, esittäjä
2006

SHOW OTHER VERSIONS (1)

Vaski Libraries

Turku, Main Library (Shelf: Stocks, VAR 78.891 OPE)

Login to place a hold



Open policies, open practices - open attitudes?

eArticle

Kallio, Kirsi Pauliina -, kirjoittaja ; Riding, James -, kirjoittaja
Published in Fennia - International Journal of Geography 197 (2019) 1, s. 1-7

SHOW OTHER VERSIONS (1)

National Library - Arto

Available Online:

<https://doi.org/10.11143/fennia.80428>

<https://doi.org/10.11143/fennia.80428> (National Library - Arto)



Open policies, open practices – open attitudes?

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SHOW OTHER VERSIONS (1)

Journal.fi

Available Online:

KatalogHamburg

KatalogHamburg

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Suche [Advanced Search](#) [Search History](#) [Fernleihe \(GVK\)](#)

open

All Fields



Showing 1 - 20 results of 333,898 for search 'open'

-  **Der montierte Fluss : Donaunarrative in Text, Film und Fotografie**
Published: Stuttgart, Franz Steiner Verlag, 2023
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-  **Recherche littéraire / Literary Research : Automne / Fall 2022**
Published: Brussels, P.I.E-Peter Lang S.A., Éditions Scientifiques Internationales, 2023
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-  **Validität und schriftliche Sprachkompetenz : Eine Studie zur Bewertung schriftlicher Leistungen im Fach Deutsch an schwedischen Schulen**
Published: Frankfurt a.M., Peter Lang GmbH, Internationaler Verlag der Wissenschaften, 2023
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-  **Der lateinische "Alexanderroman" des Iulius Valerius : Sprache, Erzählung, Kontext**
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by Cobussen, Marcel 1962-
Published: Cambridge, Open Book Publishers, 2022
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by Evans, Dorinda
Published: Cambridge, Open Book Publishers, 2022

🔍 Narrow Search

Sort

Relevance

[Einschränken auf E-Medien >](#)

Library

Media type

Books (281,441)

Electronic resource (249,422)

E-books (223,414)

Printed books (58,027)

Aufsätze (45,453)

Elektronische Aufsätze (24,291)

more...

Year of Publication

2000- (307,139)

1900-1999 (50,838)

Why VuFind for swisscollections ?

swissbib

Anmeldung über Ihre Einrichtung DE | FR | IT | EN

Anmelden DE | FR | IT | EN

Anmeldung über Ihre Einrichtung DE | FR | IT | EN

swissbib

swissbib
Basel Bern

jusbib

Erweiterte Suche

Über swissbib

Swissbib ist der Katalog aller Schweizer Hochschulbibliotheken, der Schweizer Nationalbibliothek, zahlreicher Kantonsbibliotheken und weiterer Bibliotheken. Er bietet einen raschen, einfach umzufassenden Zugang zu wissenschaftlichen Publikationen in der Schweiz an.

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Was will ich suchen? Bereiten Sie Ihre Recherche vor

Verbessern Sie Ihre Treffer in der Suche, indem Sie sich vor der Suche Gedanken machen. Probieren Sie unsere Suchtipps aus!

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Über jusbib

jusbib ist ein Metakatalog von Schweizer Rechtsbibliotheken und weiteren relevanten Beständen der juristischen Literatur. Oberfläche und Suchfunktionalitäten von jusbib entsprechen jenen von swissbib.

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Codexplor 2.0

Suche in den Grosskommentaren ZGB/OR

Codexplor ermöglicht die Suche nach Artikeln in den ZGB/OR-Grosskommentaren (Basler Kommentar, Berner Kommentar, Commentaire romand, Zürcher Kommentar) und somit die schnelle Identifikation und Standortbestimmung der verschiedenen Bände, die einen bestimmten Artikel kommentieren.

» [Codexplor 2.0](#)

Stöbern Rechtsklassifikation

- » Allgemeine Begriffe des Obligationen- u. Vertragsrechts
- » Arbeitsrecht
- » Bank- u. Börsenrecht
- » Festschriften
- » Grundrechte
- » Handelsrecht (allgemeine Literatur)
- » Handelsunternehmen
- » Kapitalgesellschaften
- » Menschenrechte im Völkerrecht
- » Privatrecht (allgemeine Literatur)

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- » Merklisten
- » Einstellungen

2.0.2-core3.0.1 ([Release on GitHub](#))
on 131.152.226.39

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- » Meine Bibliotheken
- » Merklisten
- » Einstellungen

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on 131.152.226.132

My jusbib

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for your attention.

