

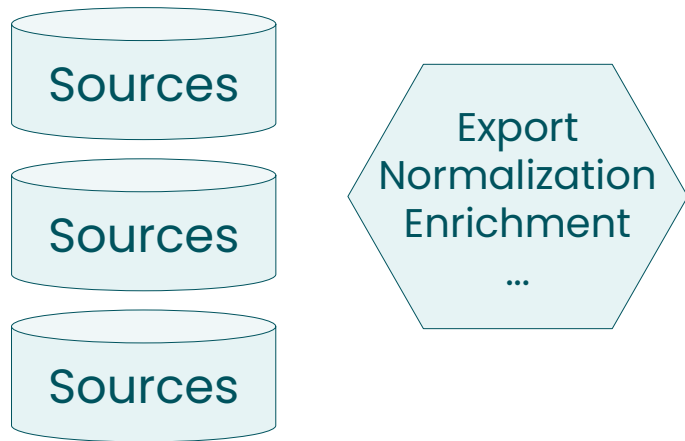
Technical Aspects of Discovery & Special Collections

IG WBS, March 23rd 2023, Zentralbibliothek Zürich

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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

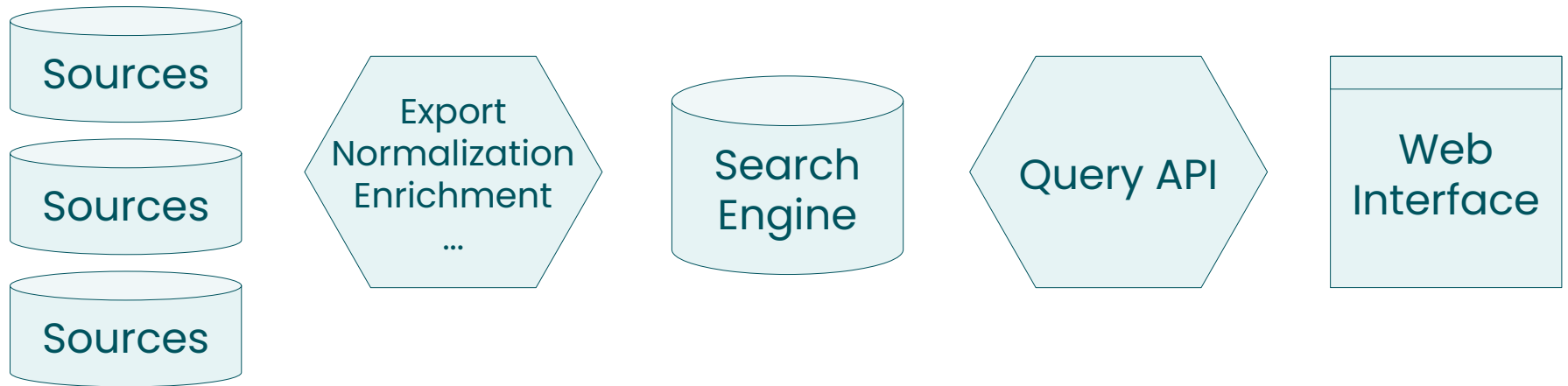
#Yummm :) Drinking a latte at Caffé Grecco in SF's historic North Beach... Learning text analysis with #SolrinAction by @ManningBooks on my i-pad.



Major Search engines

- Apache SOLR
- Elasticsearch

The layers of Discovery



Competition

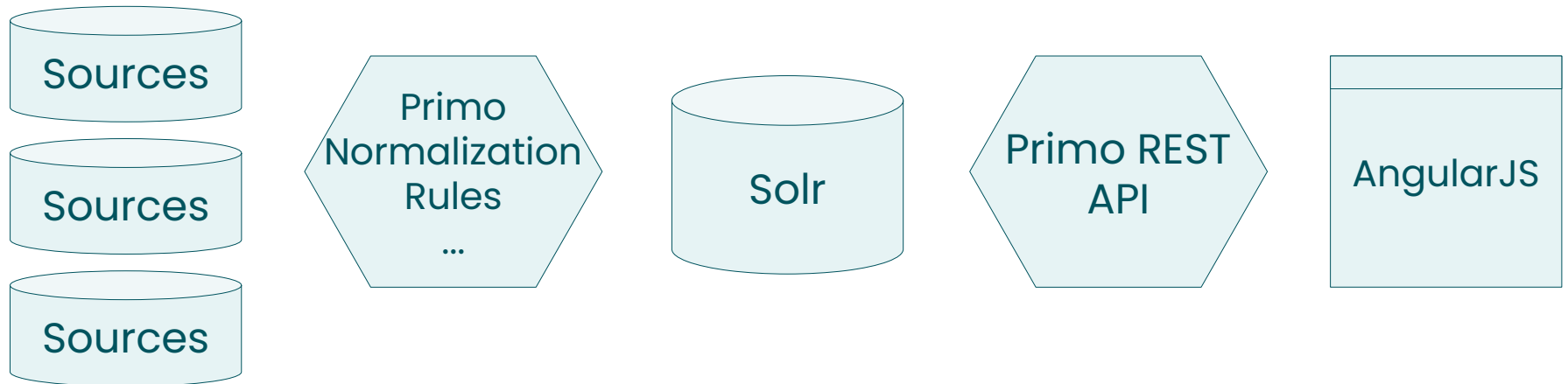
- Amazon & 1-Click ordering
- Google Scholar
- Airbnb / Booking
- Galaxus
- etc.

Web Interface

- User Experience
- Design
- Information architecture

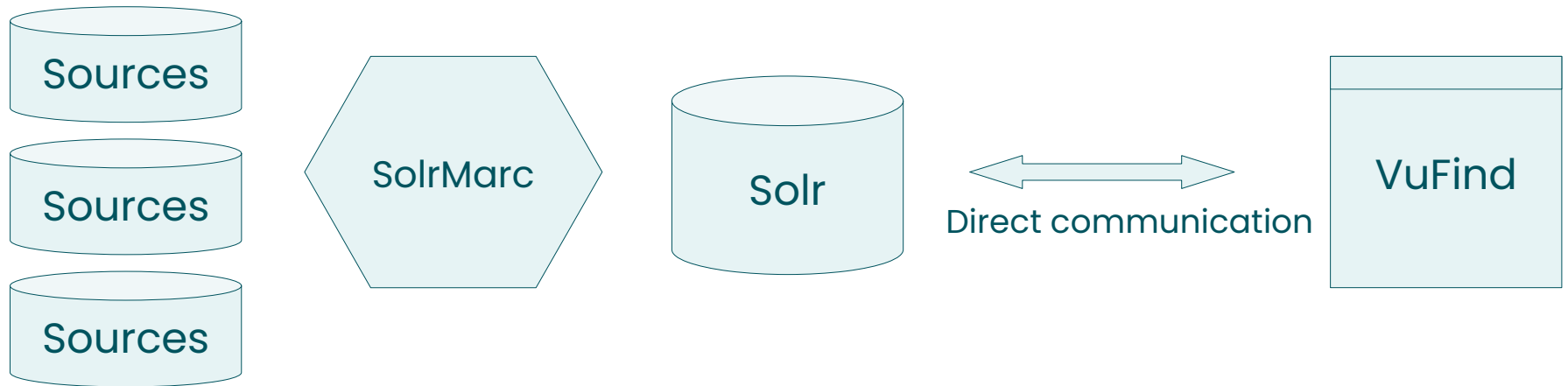
ExLibris Primo

- Commercial major player in Discovery for academic libraries



VuFind

- Open Source major player in Discovery

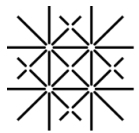


Others

- 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



Founding Members

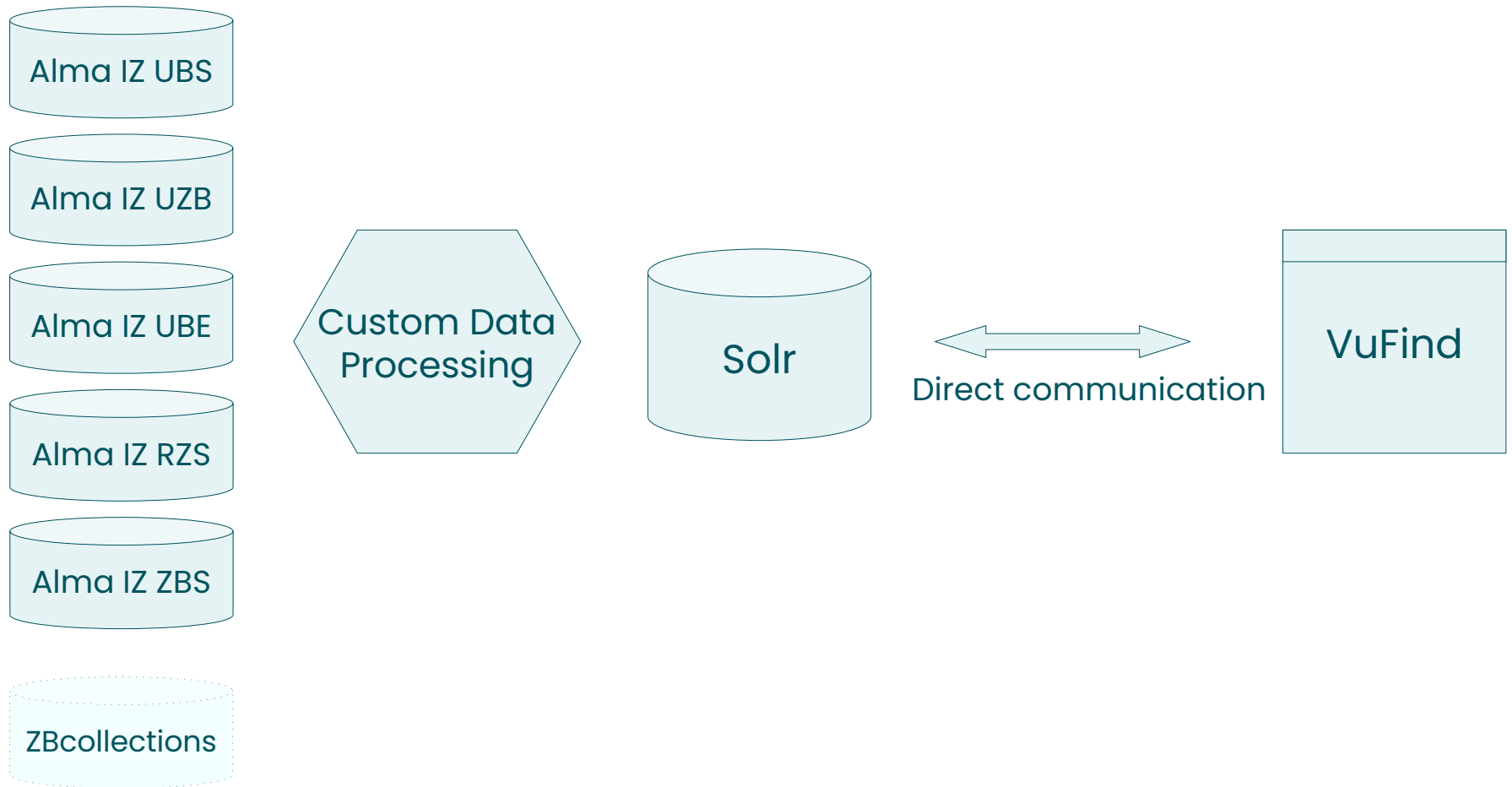
- Kantonsbibliothek Appenzell Ausserrhoden
- Universitätsbibliothek Bern
- Kantonsbibliothek Vadiana St. Gallen
- Universitätsbibliothek Basel
- Zentral- und Hochschulbibliothek Luzern
- Zentralbibliothek Solothurn
- Zentralbibliothek Zürich

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.

swisscollections



swisscollections Demo

<https://swisscollections.ch>

Links and Source Code

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

Other Discovery tools

- [Memobase](#)
- [e-manuscripta](#)
- [e-newspaperarchives](#)
- [Knihovny.cz](#)

Breakout groups

- Open question : would it be better to have one strongly branded central discovery tool for all swiss libraries rather than multiple smaller ones with a reduced amount of staff (think for example to the 30 Institution Zones in SLSP)
- Could swisscollections work be re-used ?
 - Other use-cases from special collections ?
 - Swisscovery for private users with 1-click ordering ?
 - ???

Want more...

- Join the [GLAM Technical Meetup Group](#)
- [Bibliography Discovery 2022](#)
- Participate to the [9th GLAMhack](#), the Swiss Open Cultural Data Hackathon in Musée d'Ethnographie de Genève on September 29–30

Questions ?

Thank you
for your attention.

