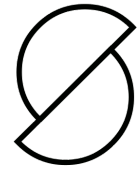


# Open Core Data Status Update for CSDCO Nov 2016 D.C. Meeting



A review of Open Core Data [opencoredata.org](https://opencoredata.org)

Douglas Fils ( [@fils](https://twitter.com/fils) )

# Outline

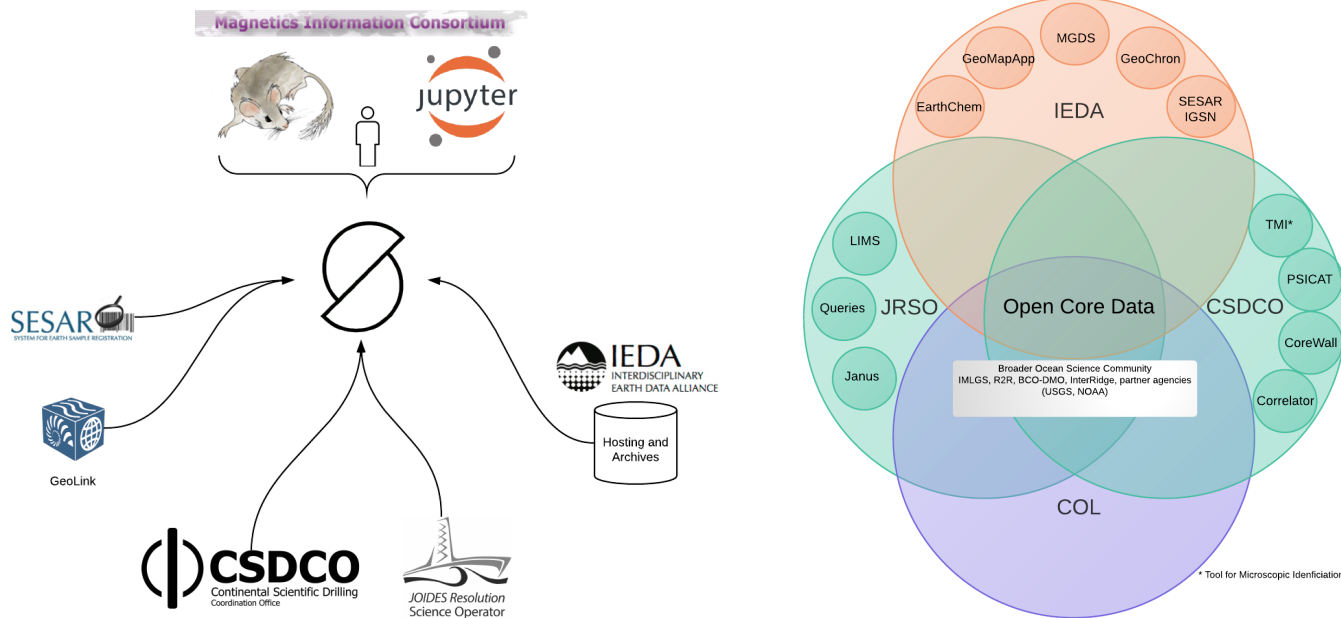
- Overview of Open Core
- Data Flow
- Data Access and Use
  - Human, machine and by other data service providers/partners

One of these things is not like the others....

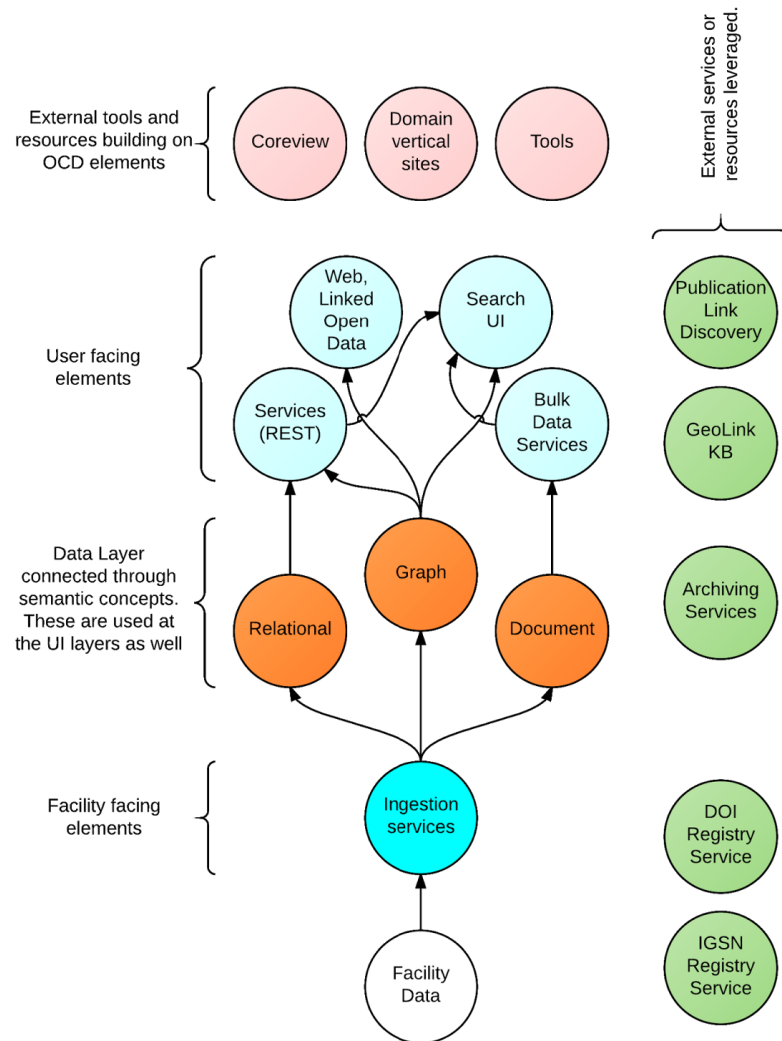


# Over View

Open Core Data hosts meta-data and optionally raw data for CSDCO and JRSO. This data is semantically enhanced and connected using community vocabularies and when required local vocabularies.

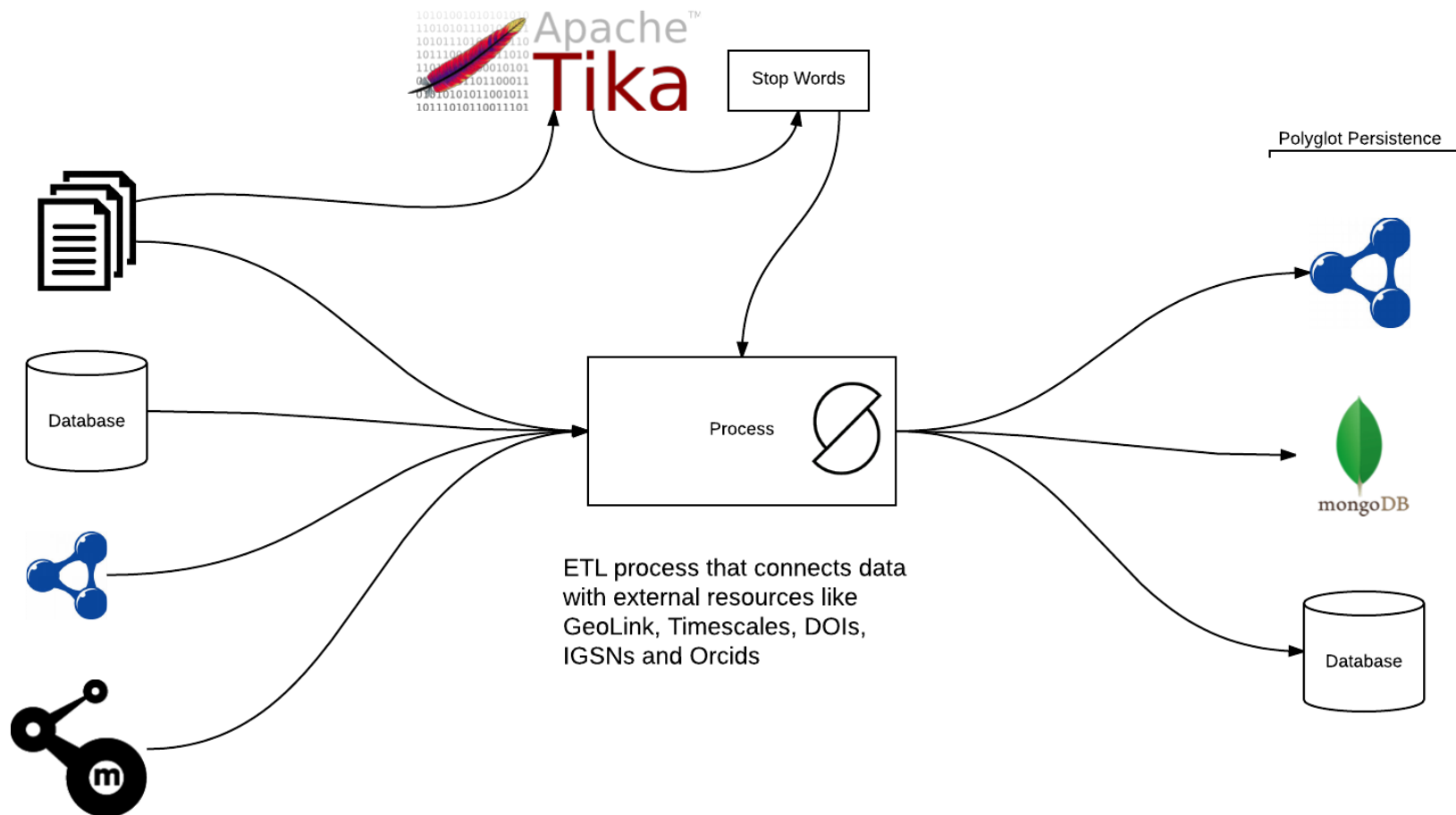


# Data flow



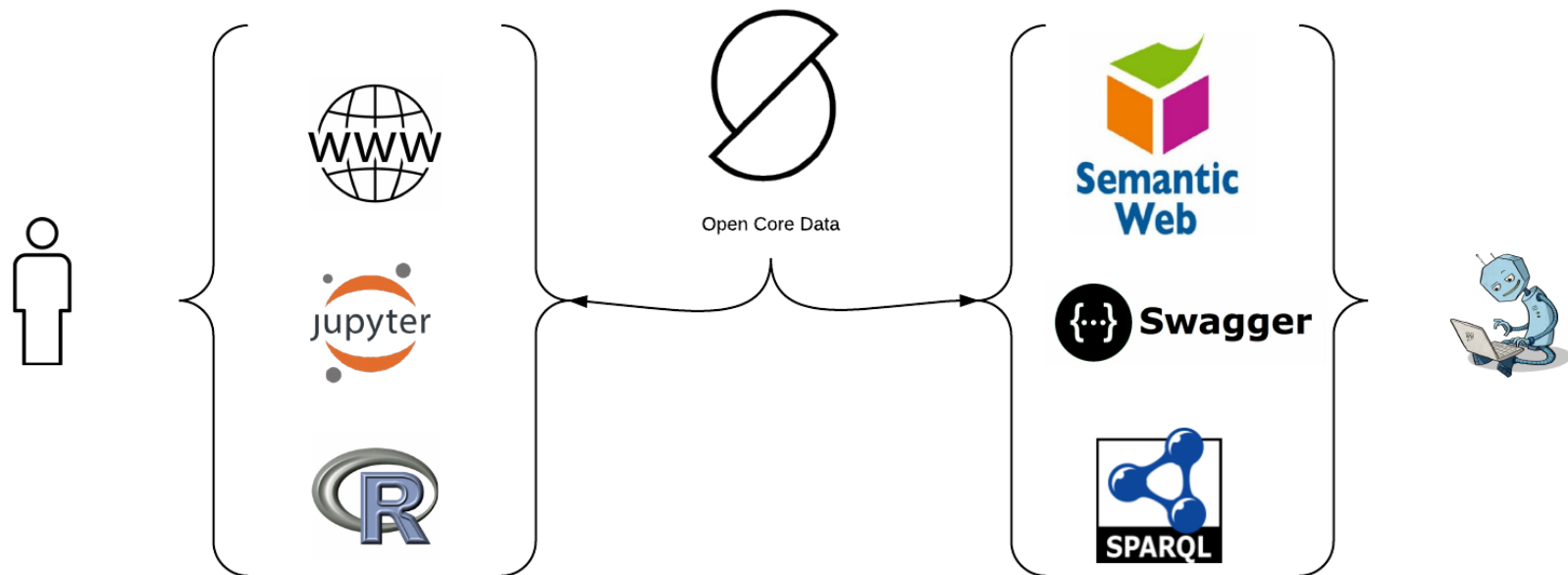
# Getting data in

Not shown is the Bleve index (a simple KV store)



# Getting data out (human and machine)

Working with groups like Flyover Country, Gplates (future), Neotoma, Magic and others for using downstream data



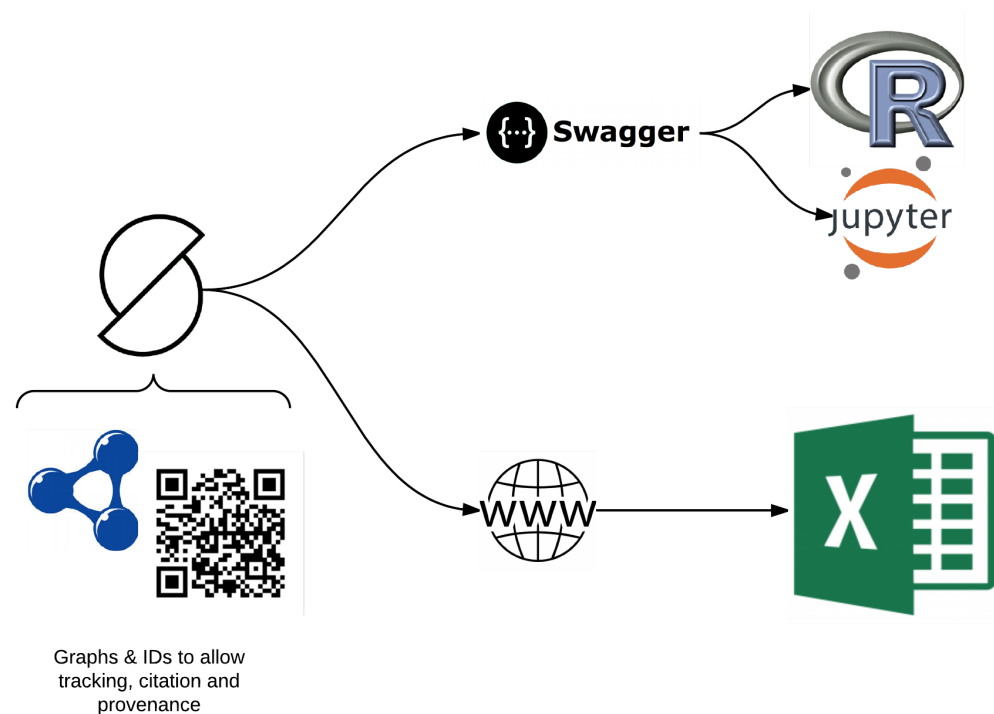
\*Note: Bulk RDF downloads enable OCD to act as a pass through semantic enhancement (possibly via GeoLink)

# Expanding on *human* access methods

## Connection to existing work-flows (notebooks etc)

- Use of web based UIs and APIs to allow many approaches to the data.
- Provide citation and DOI/IGSN information

### Notebook work



## Expanding on *machine* access methods

### Example Landing Page

All pages have embedded [Schema.org/Dataset](#) and [CSVW](#) (CSV for the Web) meta-data.

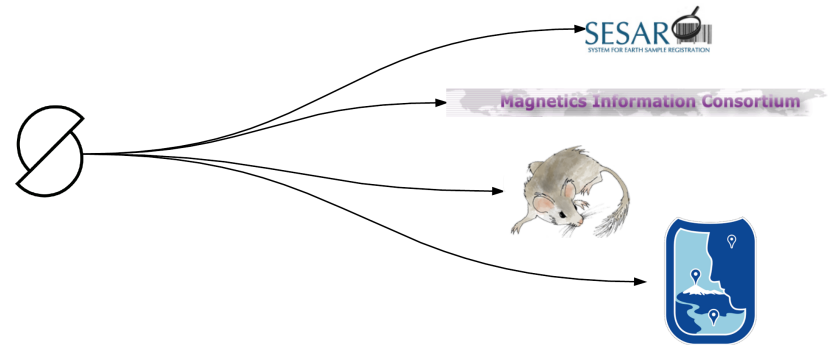
Access to datasets can be obtained both via SPARQL or Linked Open Data methods or via API calls.

Access to the CSDCO datasets is being developed under the [ocdFX](#) project. Data is being indexed and meta-data and search index available in OCD. Links to files at CSDCO or IEDA are supported.



# Data distribution partners

As noted earlier in this document a key goal of Open Core Data is the exposure of OCD data holdings to 3rd parties.



This will be driven by a few keys elements

- Open data + PIDs + Provenance (W3C Prov is a key element here)
- Methods to identify data updates
- Two way connections and citation of data between partners

Early start will likely be 1 way flow out of OCD of data with provenance. From there we will build out the approach.

Thanks!

Douglas Fils

November, 2016 [Douglas Fils](#)