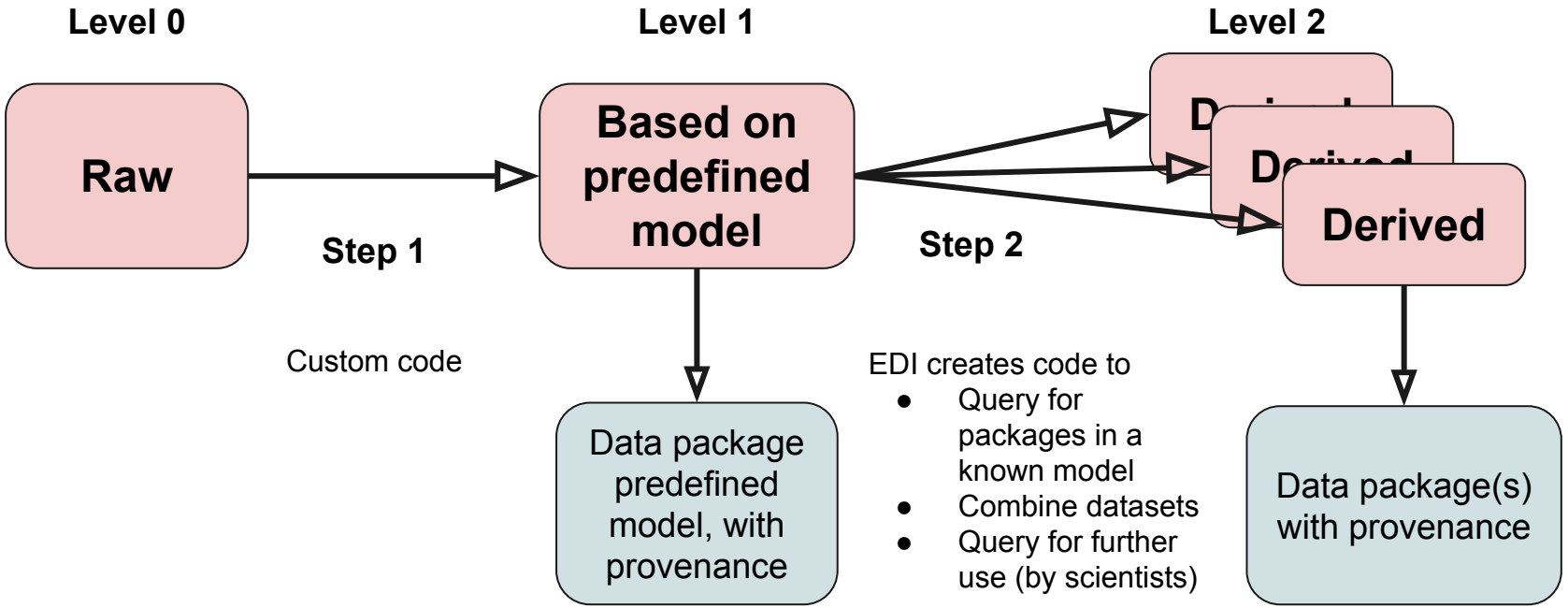
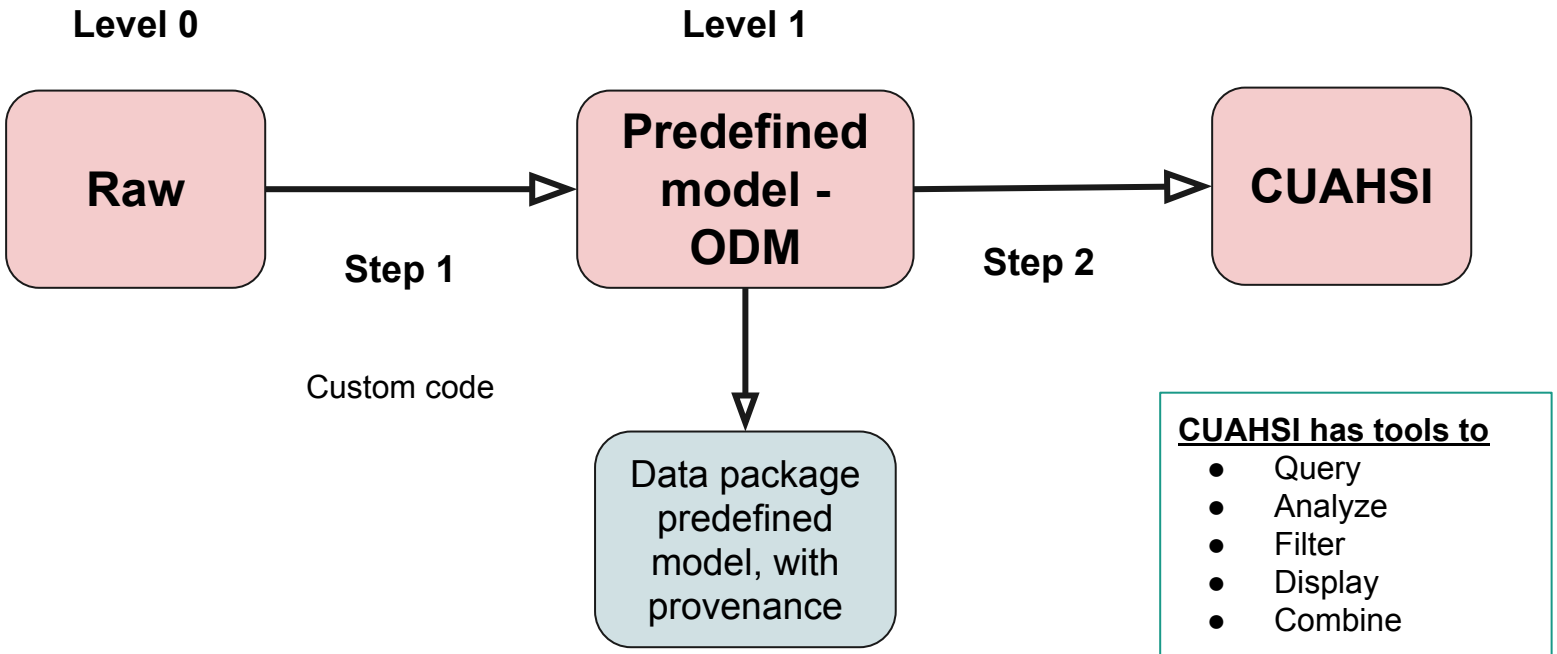
HydroMet Harmonization

Environmental Data Initiative (EDI)
2019

Workflow with Harmonized Intermediate



ODM Model is our Harmonized L1



CUAHSI has tools to

- Query
- Analyze
- Filter
- Display
- Combine

Phase 1: EDI Archives ClimDB/HydroDB Content

Anticipating two forms - with EML, in PASTA

1. As Is
    a. Exact format/layout TBD
    b. Timeline TBD
2. ODM format for CUAHSI input
    a. Mechanism
        i. GCE-Matlab Toolbox
    b. TBD:
        i. # datasets, e.g., 1/contributor (45)
        ii. Timeline (“refresh” schedule)
        iii. Additional info may be requested from contributors

Phase 2: Ongoing ODM-style Datasets (L1)

EDI provides

- Documentation for ODM format required for CUAHSI input
- Validation tools for L1 datasets
- EML templates
    - with input from you, e.g., most appropriate metadata to include

EDI assists with

- Creating “L1-ODM-CUAHSI input” from existing L0

EDI facilitates

- CUAHSI registration and interaction/how-to

Future Discussions

- Best workflows for different source data, e.g., if...
  - USGS (already harvested by CUAHSI)
  - Your ad hoc format
- Potential use of CUASHI API
  - By whom? (e.g., EDI, individual contributors)
  - scalability?
- Timeline(s)
  - Initial archive
  - Ongoing CUAHSI contributions

Session at ESIP

Session proposals due: APRIL 26

Your ideas:

Additional tools?, (web, R, python) - Lindsay
Contributor policies
- LTER - which sites belong in CUAHSI, branding, consistent naming
- FS - clearly identified sources/branding
- Organizational scope (these might overlap)

Comments

Do we need L0 and L1? - sometimes the L0 is the best fit (representation) of the data