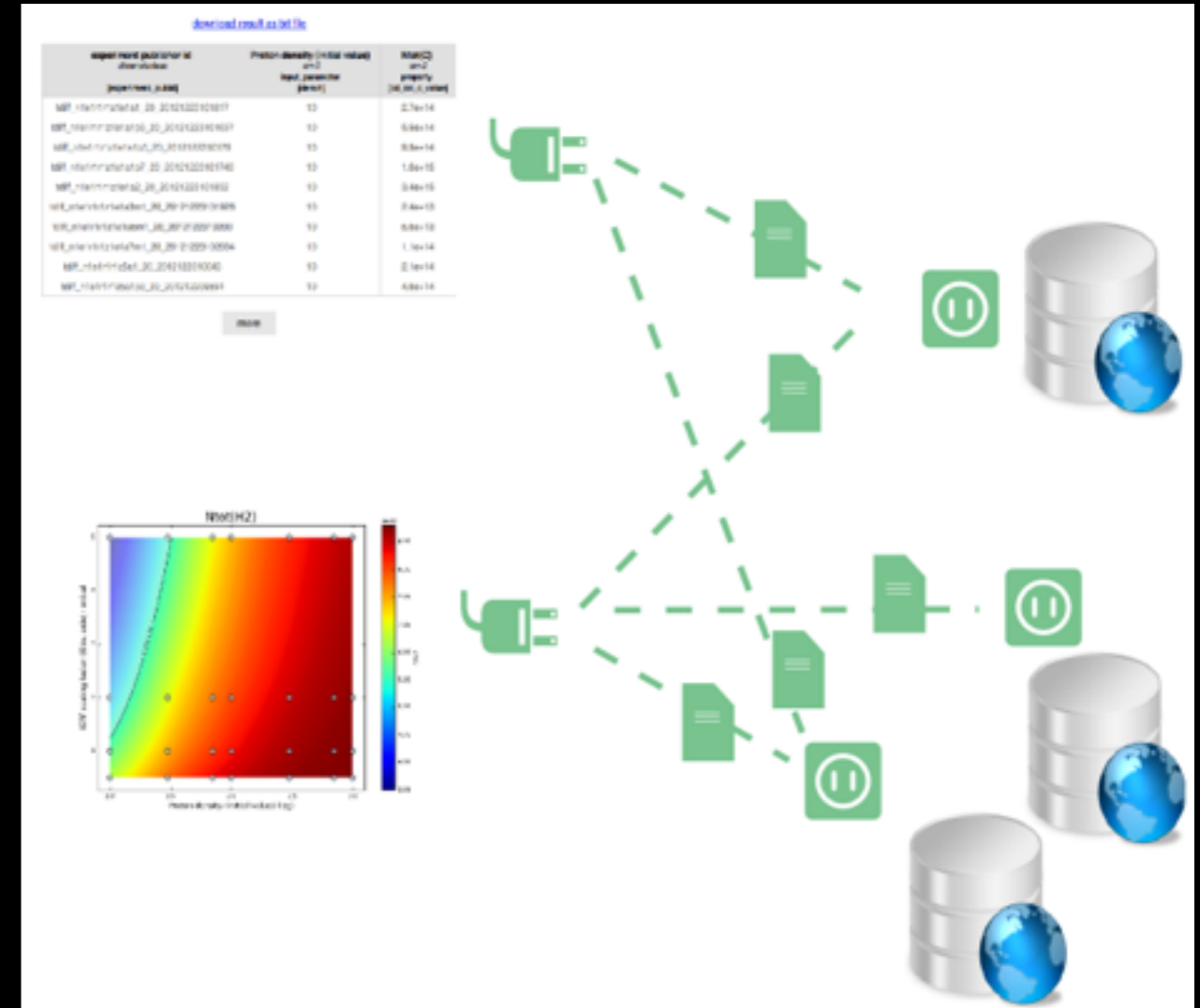
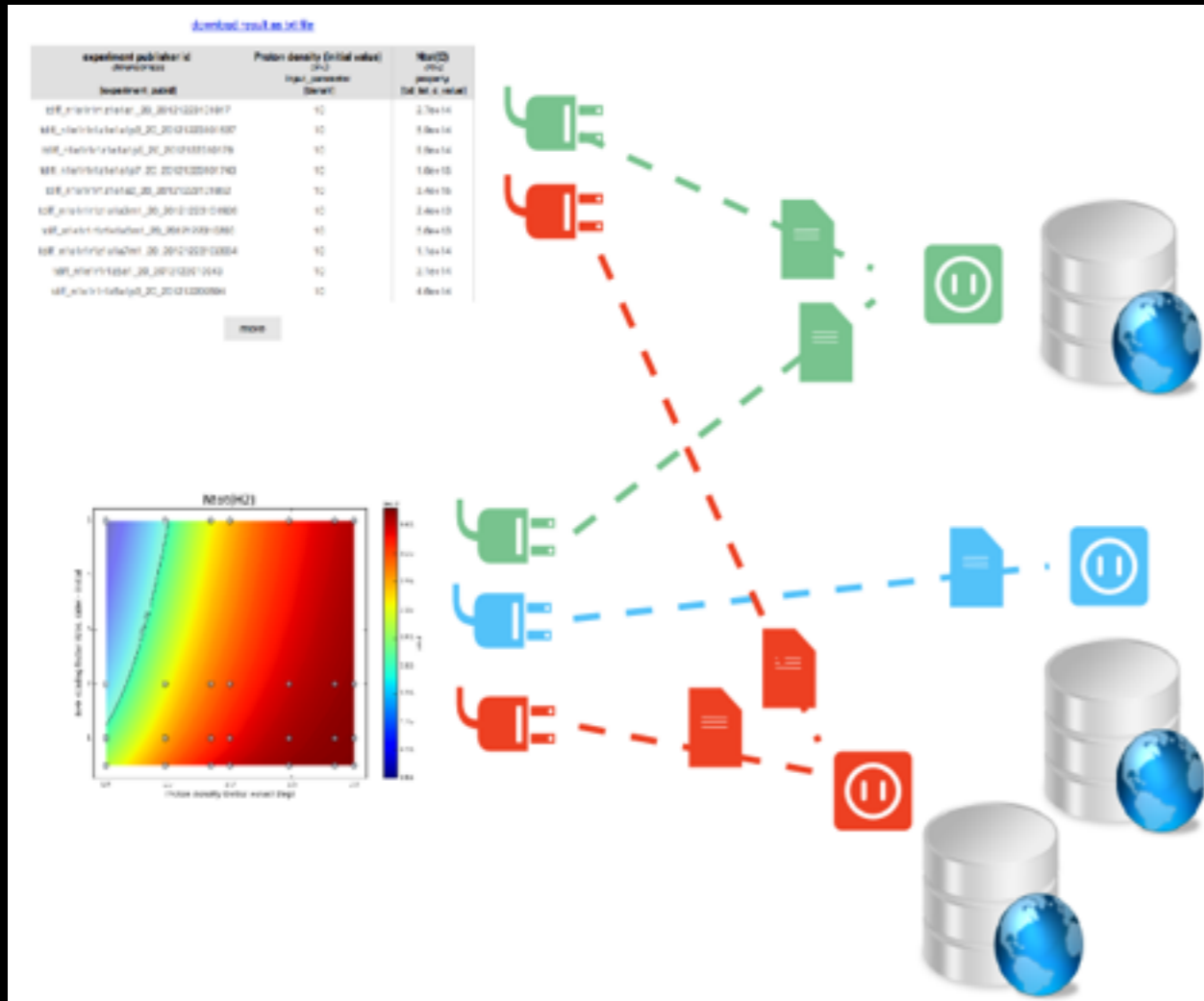


SimDAL current

Pivot Format



Common language
SimDM Serialization

Main use cases

- **UC1.** Discover simulations projects dealing with one's research interest in a repository of simulations projects, then find associated services.
- **UC2.** Find particular models producing quantities in a defined range (for ex to fit them to real observations) in a grid of models.
- **UC3.** Access simulation raw dataset or subset of it (cutout)

3 components

- Simdal Repository (UC1)
- Simdal Search (UC2)
- Simdal AccessData (UC3)

Can be implemented independently !

Repository

- Hold SimDM xml serialisations for
 - Service
 - Project
 - Protocol
- Basic text search

Search

- Holds SimDM serializations for Experiment
- Expose views (think server-side VOTable) of SimDM project instance
 - View schema/metadata
 - View query/cutout
- At the end, datasets of interest should have been identified

Access Data

- Access cutout of project raw data
 - same API than Search
 - View are the outputdatasets, fields are the properties
- Async

Changelog / last interop

- No longer query language for Search
- No longer fields arithmetic operators
- Simplified semantic for View in Search
 - View / Server-side VOTable