

UnitDB

2017-09-11

Unit.lternet.edu

Browse interface: <http://unit.lternet.edu/unitregistry/>

- View usage of units by other sites
- View REST-request
- Export STMML markup for EML

Management interface: <http://unit.lternet.edu/unitregistry/secure/login.php>

- Add, drop units
- Edit, deprecate
- Export STMML markup for EML

Overview

Data model layer: MySQL 5.5

Abstraction Layer, Service Layer: PHP 5

Web Interface (<http://unit.lternet.edu>): PHP 5, JavaScript

Documentation

Technical:

http://im.lternet.edu/news/committees/working_groups/unit_dictionary/technical_documents

- Technical specs (update, ERD)

- Developer guide (using REST)

Best Practices:

Unit Dictionary practice and content documents: <http://im.lternet.edu/node/572>

- Usage of the registry itself

- Unit construction

Use cases

Integration with site information system via web web service

Example: compare quantities of two units, eg, for a plot.

Verification for units entered to a local system, manually (web interface), preset machine-readable query

Example: check examines/compares to registry, and alerts if deprecated

Mechanism for the usage to be tracked within and across a the community

Example: Group 2 adopts unit of group 1, and together manage its definition

Goal for today

Understand how UnitsDB is currently used

- Machine connections?
- Manual usage?