SPASE

as of

October 2019

Todd King

IHDEA meeting Oct 2019

OVERVIEW

- Web site: http://spase-group.com
- SPASE descriptions: http://github.com/hpde
- SPASE Tools: http://github.cvom/spase-group
- COSPAR Recommended Standard

  http://ccmc.gsfc.nasa.gov/RoR-
  WWW/presentations/PSW_2018_Metadata_Resolution_v3.pdf

Affiliated Sites

- IHDEA: http://ihdea.net
- HAPI: http://github.com/hapi-server (Also COSPAR recommended)

  http://hapi-server.github.io

VERSIONS

- 2.3.0
  - Released 2018-05-31
  - DOI and HAPI additions

- 2.3.1 draft
  - Planned release 2019-10-17
  - Revision history addition
  - Wave and Particle enhancements
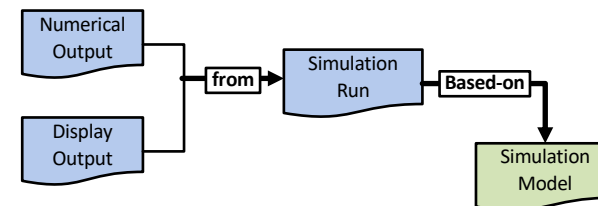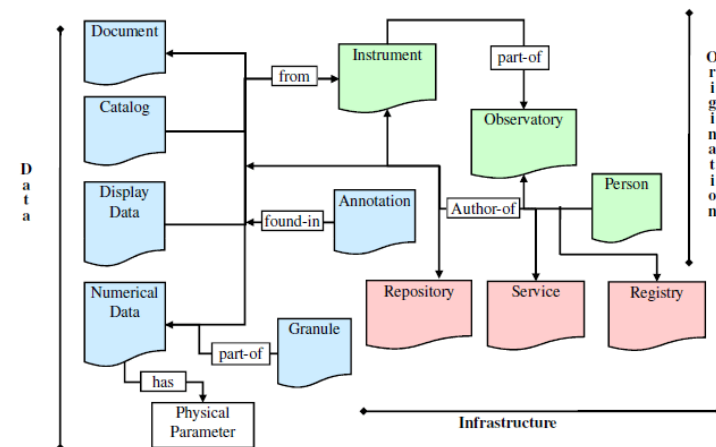
SPASE INFORMATION MODEL

Base Model

- Core Information model
- Describe:
  - Organization
  - Infrastructure
  - data

Simulation Extensions

- Simulation Information Model
- Describe:
  - Simulation Model
  - Runs
  - Output

NEXT STEPS

- Making more elements required (Version 3.0?) to support

  - Consistent detail level metadata.

  - Improved HAPI support (drop-in SPASE -> HAPI server)

  - Integrated round trip (CDF -> SPASE -> HAPI)

  - Easier DOI generation

  - Integrating with International (non-NASA) SPASE descriptions.

Requires:

  - Parameter

  - TemporalDescription

  - ResourceHeader.PublicationInfo

  - AccessInformation.AccessURL.Style

  - And possibly conditional requirements like SpectralRange when Parameter.Wave is present.

DISCUSSION