

# IHDEA-2020 [October 22nd (day 4)]

## Confluence presentation (B Martinez)

Self registration page is coming soon

For each page, there should be "lead" / "editor"

## Working Groups

### General discussion

SPASE 3.0 should be coordinated activity rather than a WG. Information Model group will take inputs from various WG.

Need for a overarching WG for coordination? (this looks a tech.coordination)

IHDEA wants to identify standards for HP community.

BC: Define WG. Long lasting WG on generic topic, or topical WG with limited time frame.

### List of WG

WG on SPASE Registry organisation and maintenance

- Who: **Shing**, Arnaud, Todd, Baptiste, Reine, Lee, Aaron, 1 per NA, IUGONET
- Naming authorities =
- testing, validation and quality control.
- Outcome:
  - make sure quality allows automated processing, content review
  - testing suites in repositories
  - opening/access to metadata

WG on implementation of Metadata standard to simulation models, simulations runs, and simulation output (CCMC and IMPEx)

- various options in extensions, wish list.
- MK: extension of Simulation Extension (e.g., SimulationSetting, SimulationTemplate)
- Who? **CCMC**, Toulouse, Graz

Standard for execution interface

- Who: Jon, **Baptiste**, Beatriz, CCMC
- assessment of UWS (Universal Worker Service) from IVOA?

WG Coordinate systems standardisation [e.g. GSM (IGRF-12 vs IGRF-13)]

- Who: Jon Vandegriff, B Cecconi, Steve Joy/Lee B, Sunpy ? Jim **Lewis**, Laura, Spiceypy (Andrew Annex), astropy?
- coordination with IVOA Solar System reference frame inventory: <https://voparis-wiki.obspm.fr/display/VES/Planetary+Coordinate+Systems>
- adoption of SPICE?

- Outcome:
  - unambiguous classify/naming/identifier of reference frame
  - linking with actionable resource (SPICE kernel, or any definition of a frame)

WG to improve the content of the IHDEA website and community awareness

- Who: Reine, **Shing**, Arnaud, Todd, Bob McGuire
- What is important in our community? What we do? make science more visible?
- Outcome:
  - reshape the website after this meeting: WGs, community items (standards, interfaces)

WG to trace the usage of Python (and IDL or Java?) libraries (update of ingestion modules)

- Who: **Beatriz**, PyHc person, Jim Lewis, Helen, Jeremy
- Note from Marco: "there was a similar discussion in IVOA a few year ago: it led to use the "agent" part of HTTP"
- Outcome:
  - how to do this ?
  - measure of impact of IHDEA related tools/databases

WGs related to SPASE 3.0

- who: SPASE group, **todd**
- focus on new architecture: identify what current implemnt need work (e.g., integration with other IM)
- SPASE <AccessInformation/> consolidation: allow automated processing
- Integration of space, rocket, balloon, and ground databases

WG Community Metadata Assessment

- Who: Baptiste, Todd, Veronique, Iugonet?, Amda?, Helen, Sunpy?, Jack, Bobby, Lee, Bob McGuire (Chair, sub-chair)
- IUGONET integration in SPASE base model
- CEF (Cluster and DoubleStar data) metadata dictionary in SPASE base model or mapping
- AMDA metadata dictionary in SPASE base model or mapping
- Assessment: adoption or mapping with IVOA/UCD

WG on HAPI:

- Who: **Jon**, HAPI group + EU, JP inputs
- Focus: adoption at other datacenter
- including physics parameter descriptors to find data products?

WG DOI on data:

- Who: Chiu, Cecconi, Aaron, **Arnaud**
- Datacite data model mapping in SPASE
- Outcome:
  - recommendation on DOI for data

For each group: 1 chair + co-chair + 1-2 paragraph statement of purpose and goal, tentative schedule

## **Next Meeting**

Every 2-3 months: telecon to check status of WG.

### **2021:**

Couple it with ISWAT meeting ? Planned in Sept 13th-17th 2021 (or spring 2022)

use ISWAT Virtual meeting capability

### **2022: Japan**