

4th IHDEA meeting (19-22 October 2020)

Agenda 2.5
(All times are UT)

<https://indico.obspm.fr/event/427/overview>

- **Monday 19th [13:00-15:00 UT]**
 - 13:00 – Welcome & Logistics (LOC)
 - 13:05 – IHDEA introduction (S. Fung, NASA/GSFC)
 - 13:25 – Member Agency/Institutions reports (15 minutes each):
 - 13:25 – Update on NASA HPDE (A. Roberts)
 - 13:40 – CNES highlights (D. Boucon + N. André)
 - 13:55 – ESA highlights (A. Masson)
 - 14:10 – JAXA/Nagoya highlights (Y. Miyoshi)
 - 14:25 – ObsParis highlights (B. Cecconi)
 - 14:40 – Tools for IHDEA (wiki, confluence...) (A Masson)

- **Tuesday 20th [13:00-15:00 UT]**
 - 13:00 – **SPASE Model**
 - 13:00 – SPASE 2.3.2 highlights and new features (T. King, A. Masson)
 - 13:10 – IUGONET activity for upper atmosphere study (Y. Tanaka)
 - 13:20 – DOI for ESA Heliophysics spacecraft experiments and relation to SPASE (A. Masson)
 - 13:30 – DOI in SPASE/IHDEA (A. Roberts)
 - 13:40 – Showcase (2 slides / 3 minutes per presentation)
 - SPASE implementations in CDDP archives and databases (D. Boucon, V.Génot)
 - Integrated environment for simulation access and visualization : an extension of SPASE proposed by the TEMPETE project (R. Modolo)
 - Registering Obs. Paris and Nançay Resources in HPDE (B. Cecconi)
 - 13:50 – SPASE/HAPI-*Inside* & Open metadata (S. Fung)
 - 14:10 – **Interfaces & Databases**
 - 14:10 – Showcase (2 slides / 3 minutes per presentation)
 - HAPI Update and Recent Developments (J. Vandegriff)
 - The Das2 System: Efficient Navigation of Large Time-Series Data Sets (C. Piker)
 - TAP & EPN-TAP (B. Cecconi & V. Delouille)
 - BASS2000 - a ground-based solar observations database (J. Abouadarham)
 - Heliophysics and planetology data distributed by AMDA with HAPI (V. Génot)
 - ~~Status update on the SDAC and the VSO (J. Ireland) (withdrawn)~~
 - ~~Current Status of ERG Science Center (see JAXA/Nagoya highlights by Y. Miyoshi)~~
 - SOLARNET Virtual Observatory (B. Mampaey)
 - Space solar physics data and VO services at MEDOC (E. Buchlin)
 - Current status of Hinode science center: toward Solar-C science center (S. Imada)
 - Activities and Status of the SPDF Archive for the Past Year (B. Candey)
 - 14:45 – Open Discussion on the implementation of access protocols by data centres

- **Wednesday 21st [13:00-15:00 UT]**
 - 13:00 – **Tools, Software, what's new on:**
 - ~~13:00 – Solarsoft recent new features (J. Ireland) (withdrawn)~~
 - 13:00 – SPEDAS Interoperability Tools and Future Development Plans (J. Lewis)
 - 13:10 – Autoplot and Java Libraries for HAPI and Science Processing (J. Faden)

- 13:20 – Recent highlights on CDDP activities in space physics (N. André)
- 13:30 – MASER: A Science Ready Toolbox for Low Frequency Radio Astronomy (B. Cecconi)
- 13:40 – Open discussion
- 14:00 – *National tribute to S. Paty (1 minute of silence)*
- 14:01 – **Python Heliophysics Community (PyHC)**
 - 14:00 – Coordinating Python Development with PyHC (J. Barnum)
 - 14:10 – SunPy : The community-developed, free and open source solar data analysis environment for Python. (L. Hayes)
 - 14:20 – Showcase (2 slides / 3 minutes per presentation)
 - pySPEDAS: Space Physics Environment Data Analysis Software in Python (E. Grimes)
 - Kamodo python visualization and analysis (D. De Zeeuw)
 - PlasmaPy: An open source Python package for plasma research and education (N. Murphy)
 - HelioPy: access to Solar Orbiter data (A.Masson/D. Stanby)
 - 14:30 – Open Discussion (on PyHC/IHDEA interaction led by A. Roberts and J. Ireland)
- **Thursday 22nd [13:00-15:00 UT]**
 - 13:00 – Setting up IHDEA Working Groups (open discussion), potential topics:
 - SPASE Naming Authority: adapting it to the different types of data
 - General discussion on SPASE 3.0 (future capabilities & updates)
 - Integration of space, rocket, balloon, and ground databases
 - 14:00 – Open discussion of future IHDEA recommendations
 - 14:30 – Wrap up and plans for the next meeting