3rd IHDEA meeting

October 16, 2019 (Wednesday)
ADNET Office

8:30 Welcome message – **Marlo Maddox** (Assist. Director of Heliophysics Science Division, GSFC)
8:45 Introduction – **Aaron Roberts, Arnaud Masson, Shing Fung**
9:00-11:50 – IHDEA organization

- Charter document **(Aaron Roberts)**
    - (28 min) Mission statement
    - (28 min) Scope, Objectives
    - (28 min) Membership: responsibility & obligations
    - (28 min) Structure, Governance, Intellectual Property

- IHDEA operations (**Todd King**)
    - (28 min) Advocacy, promotion & recruitment
    - (28 min) Website <https://ihdea.net/>

12:00-12:50 - Lunch

1:00-5:10 - IHDEA components

- Data archives/repositories
    - Space-based data:
        - (23 min) NASA-SPDF (**Lan Jian**)
        - (23 min) NASA-SDAC/VSO (**Jack Ireland**)
        - (23 min) ESA ESDC heliophysics archive including Ulysses data alignement b/w ESDC and SPDF (**Arnaud Masson**)
        - (23 min) Hinode Project and Science Center (Shinsuke Imada)
        - Japanese Heliophysics Satellite Project Data Management Activity (**Yoshi MiyoshiShinsuke Imada**)
        - (23 min) CNES with AMDA & SIPAD (**Jean-Christophe Malapert**)
        - (23 min) ESA Guest storage Facility for heliophysics value-added products (**Guido de Marchi**)

- Ground-based data:
    - (23 min) SuperMAG (**Rob Barnes**)
    - (23 min) Other GB data archives (**Baptiste Cecconi**)

- Model centers
    - (23 min) CCMC overview, tools & databases, SPASE implementation (**Darren De Zeeuw & Chiu Wiegand**)
    - (23 min) IMPEx-extension of SPASE for simulations (**Vincent Génot**)

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8:30-12:00 Interoperability tools for data archiving, distribution & access

- (18 min) Data format standards: CDF, netCDF, FITS, HDF, etc. (**Bobby Candey**)
- (18 min) SPASE: the metadata standards with data citation (**Todd King**)
- (13 min) DOI (**Aaron Roberts**)
- (13 min) DOI at ESA for the science archives data collections (**Guido de Marchi**)
- (18 min) SPASE documentation and validation: Cluster & Arase examples (**Lee Bargatze**)
- (8 min) Web-based SPASE document editor (**Shing Fung/Chuck Dolan**)
- (18 min) TAP & VESPA (**Baptiste Cecconi**)
- (18 min) SPARTA: Cluster CDF- progress report on ISTP compliance (**Arnaud Masson**)
- (18 min) HAPI: access protocol standards (**Jon Vandegriff**)
- (18 min) CDAWeb implementations (**Bobby Candey**)
- (18 min) Cluster Science Archive data ingestion, storage & concatenation (**Beatriz Martinez**)

12:00-12:50 Lunch

1:00-5:00 Interoperability tools for data display and analysis

- (28 min) Various ways to access Cluster data (**Arnaud Masson**)
- (28 min) Heliophysics Python tools and libraries (SunPy, PySat, etc.) (**Aaron Roberts**)
- (28 min) Implementing Heliophysics Python libraries on the IHDEA website (**Todd King**)
- Data analysis software
    - (28 min) Autoplot, SPEDAS (**Jeremy Faden**)
    - (28 min) SPEDAS plugin for Cluster (**Jim Lewis/Arnaud Masson**)
    - (28 min) Helioviewer, JHelioviewer, Solarsoft, SunPy (**Jack Ireland**)
    - (28 min) MMS FPI data browse and display tool (**Steve Kreisler**)
    - (28 min) CDPP Tools (AMDA+3DView+Prop Tool) (**Vincent Génot**)

6:00-8:00 IHDEA group dinner

October 18, 2019 (Friday)
ADNET Office
8:30-12:00 Closing (**Aaron Roberts**)

- (58 min) Completion of IHDEA Charter document
- (58 min) Action items
- (38 min) Other topics as time permits (event list, ground-based data, etc.)
- (18 min) Schedule next meeting
- Adjournment