

Vers un VO en Planetologie: Europlanet Research Infrastructure

LESIA, IMCCE, LERMA

- FP7-I3:
 - Networking Activities
 - Transnational Access and Service Activities
 - Joint Research Activities

Obspm intervient dans

- 1 --> Outreach and Media Service (NA3, J.P. Lebreton) – 10 PM
- 2 --> Support to Spatial Mission (JRA1, co-I W. Thuillot) – 13 PM
- 3 --> Modelisation (JRA3 – co-I T. Fouchet) – 8 PM
- 4 --> Towards a Planetary VO (JRA4, M.L. Dubernet) – 20 PM
- 5 --> Service Activity - IDIS Node - VOParis Data Center (ML. Dubernet) – 9 PM

3 & 4 & 5 sont liés

Modelisation (JRA 3)

- --> qq points proches des objectifs de VOTheory de IVOA
- mettre au point des codes de simulations
- connecter ces codes entre eux
- offrir des services "a la demande" sur ces codes (pas exactement VO)

Towards a Planetary VO (JRA4)

- Data Models led by IPSL & INAF
 - **expertise** scientifiques LESIA (Atmospheres, Surfaces, Interieurs)
 - **expertise** physique moléculaire (avec Bx et Grenoble)
- Data Access and Interoperability Services led by FMI & OBSPARIS
 - sur usecases définis par FP6 - Pour obspm: choix des usecases "Atmospheric Node" of IPSL, proposed by Athena Coustenis & Odile Dutuit
 - **participation to documents & prototype (TBD)**

Towards a Planetary VO (JRA4)

- Added Value Services to the community led by DLR & OBSPARIS
 - **Tools to access to lineslists** (CDMS, JPL, GEISA, HITRAN, etc...)
 - **help** Bx and Grenoble with their application
- New Databases led by LPG & OBSPARIS
 - **help** Bx and Grenoble with their application
- Bx: Kinetic database
- Grenoble: Spectroscopy and physical properties of Solids

Service Activity: IDIS

- 4 thematic nodes
 - Planetary Interior & Surfaces (DLR)
 - **Planetary Atmospheres (IPSL)**
 - Planetary Plasma (IWF & CDPP)
 - Small body & Dust (INAF)
- 1 technical node: FMI
- Providers operating VO services
 - **VOParis Data Center** (Actuellement-> At.&Mol.)
 - Virtual Meteor Observatory (ESA/RSSD)