



Theoretical Virtual Observatory Workshop

IAP

2006, April 5-6

Why this workshop?

- It was soon recognized at international level (IVOA) that theory (i.e. numerical simulation data) could be an important component of the VO \Rightarrow IVOA Theory Interest Group (cf. Lemson talk).
- In parallel, growing interest by numerical French community but first VO projects were mostly driven by data centers and/or observational surveys.
- Theoretical VO development are most often a sub-project inside wider numerical projects (cf. afternoon talks)

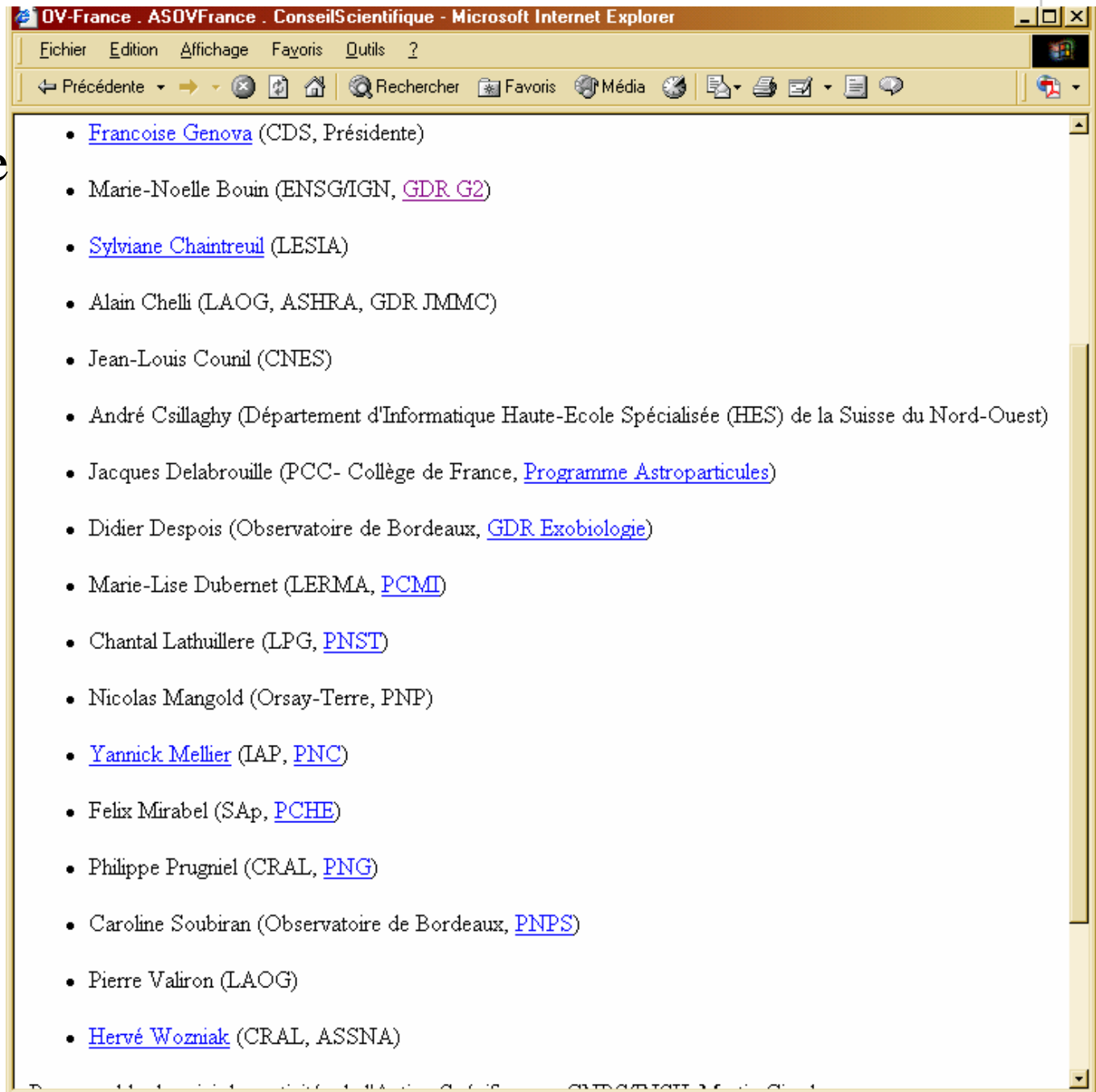
Need for national organization

- In spite of many differences (funding frames, funding agencies, constraints, scopes,...), all national VO projects have by one way or another links with their data centers and/or simulation projects (for codes or simulated data).
- despite that we are so international, we still need to operate on national budgets!
- ⇒ need to organize French community
 - VO-France (Action Spécifique Observatoires Virtuels) in charge of promoting VO projects
 - ASSNA (Action Spécifique pour la Simulation Numérique en Astrophysique) responsible for promoting numerical simulations
 - Interface problem!

VO-France organization

- Creation of VO-France decided during INSU prospective workshop (2003), ASSNA just before (2002)
- VO-France Scientific Committee: 1 representative of each PN, AS, GdR... Led by F. Genova.

VO-France Scientific Committee



OV-France . ASDVFrance . ConseilScientifique - Microsoft Internet Explorer

Eichier Edition Affichage Favoris Outils ?

← Précédente → Recherche Favoris Média

- [Francoise Genova](#) (CDS, Présidente)
- Marie-Noelle Bouin (ENSG/IGN, [GDR G2](#))
- [Sylviane Chaintreuil](#) (LESIA)
- Alain Chelli (LAOG, ASHRA, GDR JMMC)
- Jean-Louis Counil (CNES)
- André Csillaghy (Département d'Informatique Haute-Ecole Spécialisée (HES) de la Suisse du Nord-Ouest)
- Jacques Delabrouille (PCC- Collège de France, [Programme Astroparticules](#))
- Didier Despois (Observatoire de Bordeaux, [GDR Exobiologie](#))
- Marie-Lise Dubernet (LERMA, [PCMI](#))
- Chantal Lathuillere (LPG, [PNST](#))
- Nicolas Mangold (Orsay-Terre, PNP)
- [Yannick Mellier](#) (IAP, [PNC](#))
- Felix Mirabel (SAp, [PCHE](#))
- Philippe Prugniel (CRAL, [PNG](#))
- Caroline Soubiran (Observatoire de Bordeaux, [PNPS](#))
- Pierre Valiron (LAOG)
- [Hervé Wozniak](#) (CRAL, ASSNA)

VO-France organization

- Creation of VO-France decided during INSU prospective workshop (2003), ASSNA just before (2002)
- VO-France Scientific Council: 1 representative of each PN, AS, GdR... Led by F. Genova.
- VO-France helps to *organize* the French community:
 - Census of ongoing or planned projects
 - Funding of:
 - key-persons to IVOA Interop and other international VO meetings
 - VO-France working groups meeting
 - Workshops on tools
 - No funding of:
 - Hardware, databases, manpower, etc.
 - ⇒ funds from ANR, INSU, PNs, GdR or others AS (ASSNA?)...



VO-France working groups

- Spectral data (Ph. Prugniel)
- Workflows (A. Schaaf)
- Images (E. Slezak)
- Theory (H. Wozniak)
 - Presentation of VO-France at ASSNA meeting (December 2003)
 - First WG meeting just after the founding VO-France workshop (4-6 April 2005)
 - Parallel session during Obernai winter school (5-7 November 2005)
 - Today: first joined ASSNA-ASOV workshop dedicated to TVO

ASSNA/VO-France interface

- Need to explain what is [not] Virtual Observatory
 - What's that gadget for?
- Need to understand numerical simulations/codes specificity
 - Why particle simulations cannot be access from Simple X Access Protocol already defined?
- Need to see how a VO-compliant theoretical service could run and help to make science
- Make an effort to adapt each others to different languages!

Thursday

- Future possible services/data in the VO (Chair : F. Le Petit)
 - 9h Lorene Ph. Grandclément
 - 9h20 Modèles Stellaires A. Palcios
 - 9h40 MHD R. Grappin
 - 10h00 Titan & Arty L. Chevallier/A. Gonçalves
 - 10h15 --- PAUSE
 - 10h45 Models de chocs MHD de coeurs denses P. Hennebelle
- 11h30 --- Discussion
 - Peut-on tout faire avec le VO?
- 13h --- Déjeuner
- 14h ACTIONS ET REFLEXIONS POUR LE FUTUR
 - Conditions and constraints on developing services or making numerical data available to the community
 - Standards / protocols
 - manpower / funding
 - comment structurer les efforts de développement en matière d'OV théorique ?