

France VO

Community interest in the Theory VO



France VO

- ‘Action Spécifique Observatoire Virtuel France’ (France VO Specific Action) created by INSU in 2004
- Role
 - Coordinate the French participation to the IVO
 - Contact point for European projects
 - Contact point with IT



Organisation

- Run by a Scientific Council, a few experts and representatives of Programs (which deal with astronomy sub-disciplines, e.g. galaxies, interstellar medium, cosmology, ..., and also numerical modelling, ...)
- A small amount of money, mainly travel to help collaborations and participation to IVOA meetings
- Tutorial for developers (fall 2004)

http://www.france-vo.org/twiki/bin/view/

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OV France / France VO

2004: Appel d'offre, informations et questions: *La date limite est dépassée mais consultez les informations*

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Revision [r1.10](#) - 05 May 2004 - 11:27 GMT - [FrancoiseGenova](#)

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Theory/modelling in French VO (1)

- Immediate interest for IVO in the relevant community
- Early reading of the White paper
- Discussion at the ‘Simulation numérique’ meeting in December 2003
- Several teams are willing to provide services to the IVO



Theory/modelling in France VO (2)

- CS members proposal: write science use cases in their own discipline

Many will include access to modelling results or services

- On-going actions:
 - Action to prepare VOTable output for the Besançon Galaxy model (S. Derriere's talk)

Atomic and molecular data for astronomy

- Active groups well aware of IVOA activities (M. L. Dubernet organized a BoF at Strasbourg ADASS)
- <http://wwwusr.obspm.fr/~vo-phys/PAGE-VO/main.html>

Also a UCD
definition
exercise

‘interdisciplinary’
UCD

Physics Databases and Virtual Observatory - Microsoft Internet Explorer

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Adresse

Observatoire de Paris
Observatoire de Besançon
Observatoire de Grenoble


Programme National PCMI

CDS, Strasbourg
CESR, Toulouse

Bases de données de Physique Atomique et Moléculaire
et
Observatoires Virtuels

Site dédié au travail sur l'inclusion des bases de données atomiques et moléculaires dans les Observatoires Virtuels

NEW
[Atelier des 22-23 Mai 2003 sur les Bases de Physique Atomique et Moléculaire](#) (programme et transparents) - [RESUME](#)
[CONCLUSIONS](#)

[Conférence SF2A 2003](#) : "Bases de Physique Atomique et Moléculaire pour l'Astrophysique" - [Proceedings](#)  (Atomic and Molecular Databases for Astrophysics)

[ACI masse de données pour l'Astrophysique](#) : participation à la définition d'UCDs pour la physique atomique et moléculaire

Présentation	Participants	Liens VO	Liste de diffusion VO
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Internet



Link on
this
meeting
page

The GalICS Project Queries

The GalICS/MoMaF Database of Galaxies

The GalICS/MoMaF Database of Galaxies includes information on:

- the physical properties of galaxies,
- their location in dark matter structures,
- the merging history trees that link their progenitors and descendants,
- the rest-frame spectral energy distributions in the ultraviolet, optical, infrared and submillimeter wavelength ranges;
- and the absolute and apparent magnitudes in many [photometric bands](#) ranging from the ultraviolet to the submillimetre.

The resulting catalogs, spectra and images are freely accessible through SQL queries to the GalICS/MoMaF Database of Galaxies. To get a description of the structure and content of the on-line material, please go to the [structure of the GalICS/MoMaF Database](#).

If you already know the structure of the Database, you can have a direct access to the catalogs and spectra through the [query page](#).

The GalICS software package (for *Galaxies in Cosmological Simulations*) produces synthetic catalogs of galaxies within dark matter structures. These catalogs gather a large set of physical properties, as well as rest-frame absolute magnitudes through many [filters](#), and [rest-frame spectra](#).

Terminé Internet



- Use cases will tell something about required metadata, information required and queries
- Bottom-up approach taking a few examples
- IVOA interest group very important to federate discussion and distribute information on what is going on in the different VO projects
- An essential part of the IVO on the medium term but open problem and lots of work ahead for this community