

IVOA Theory Interest Group

Current Status

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MACQUARIE
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Theory Interest Group background

- Formed in 2004 “with the goal of ensuring that theoretical data and services are taken into account in the IVOA standards process”
- Accepted IVOA standard: [SimDM](#)
- Some discussion around a [SimDB standard](#)
- SSAP allows for model spectra to be served, but SIAP explicitly does not
 - Room to be added in the new DAP standard?
- VO-Theory vocabularies: <http://votheory.obspm.fr/>

Theory Interest Group charter

The IVOA Theory Interest Group will:

- Provide a forum for discussing theory specific issues in a VO context.
- Contribute to other IVOA working groups to ensure that theory specific requirements are included.
- Incorporate standard approaches defined in these groups when designing and implementing services on theoretical archives.
- Define standard services relevant for theoretical archives.
- Promote development of services for comparing theoretical results to observations and vice versa.
- Define relevant milestones and assign specific tasks to interested parties.

Session schedule

Speaker	Title	Time
Simon O'Toole	Current status - review and renewal	16:00
Liz Davies	Bringing the Cosmos to your screen: Developing Web Apps for Theoretical Astrophysical Data Products	16:10
Vandana Desai	Questions on how to publish mock data in the VO	16:40
Simon O'Toole	Plans and future directions - making theory/simulation data more FAIR	16:50
All	Discussion - how do we better engage the astronomy theory/simulations community?	17:00