



# Theory Interest Group

Baltimore INTEROP  
26-31 October 2008



# Objectives / Achievements

- SimDB/SimDAP:
  - ☑ Reinforce the core development team with people from other WGs to take care of multi-WG aspects
    - discussion held during the 29 October special session with the relevant WG leads. Participants/contact persons have been or will be identified by all relevant WGs.
  - ☑ Find a recommendation path
    - Under the auspice of one WG (TBD) but with simultaneous discussions in others WG.
- SimDAP:
  - ☑ Make a significant step in SimDAP design
    - Presentation of the concept to DAL WG
    - Advanced design (VOTables, binary files description, etc.)
- Microsimulations
  - ☑ S3 protocol Notes presentation
  - ☑ SimDB implementation for microsimulation (photodissociation modeling)



# Future actions

- Complete the SimDB design and the Note
  - DM & Service: [theory-SimDB](#) mailing list (technical discussions)
    - G. Lemson, R. Wagner, L. Bourgès, C.Gheller, P. Manzato
    - M. Louys, N. Gray, [Registry](#), [DAL](#), [VOQL](#)
  - Semantics: for the algorithm description
    - Poll the theoretical community (field by field...)
  
- Complete a SimDAP Note
  - Two test implementations
  - To be discussed then in DAL WG
  
- Micro-simulations
  - S3 Note available: please read it and comment on [theory@ivoa.net](mailto:theory@ivoa.net)
  - Suggestion to compare in detail S3 and SimDAP idea. Try to find commonalities and likely convergence.