



International
Centre for
Radio
Astronomy
Research



Grid & Web Services

Andreas Wicenec & André Schaaff



Sessions



GWS Sessions at the **May 2012 Interop Meeting (Urbana)**

GWS 1 -- Tuesday 22 May, 16:00-17:30, Auditorium

Speaker	Title	Materials
Kevin Benson	Taverna workflows and plugins for VAMDC	
Andreas Wicenec	Yabi: A flexible HPC workflow system from Bio-Informatics	
André Schaaff	Discussion about workflows and the VO	

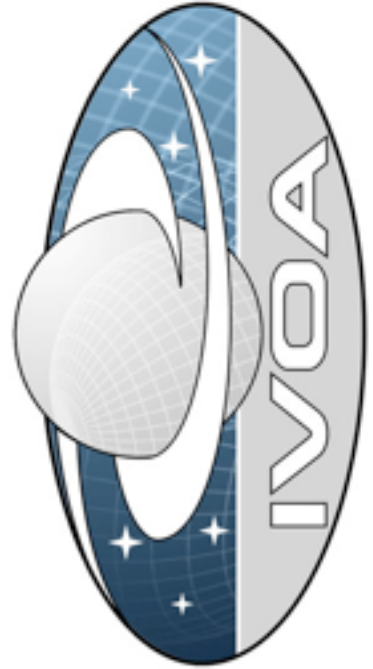
GWS 2 -- Thursday 24 May, 14:00-15:30, Auditorium

Speaker	Title	Materials
Carlo Maria Zwolf	The Parameter Description Language Concepts and Implementation	
Petr Skoda	VOCLOUD: Using the CDS UWS library to publish VO-KOREL	

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Carlo Maria Zwolf The Parameter Description Language Concepts and Implementation



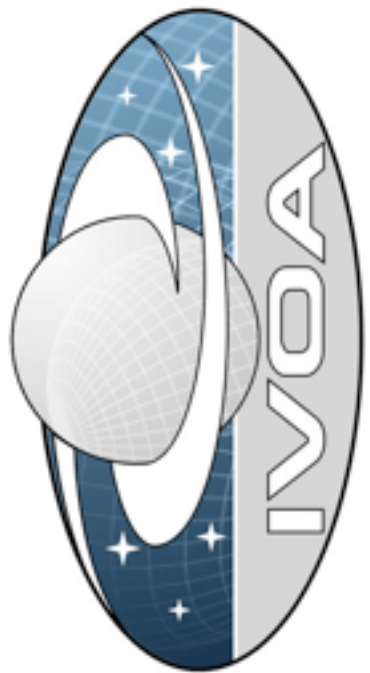
Summary



- **VOSpace 2.0 released for RFC: Comments are expected**
- **Interesting discussions and presentations around workflow systems:**
 - not obvious that IVOA has to do anything in terms of standardisation or even development of an application.
 - we have to identify use cases and evaluate existing solutions (more and more in detail).
 - test integration of UWS based services into existing workflow systems
 - Two systems have been presented: Taverna and Yabi
 - test scalability and portability of IVOA standard implementations on Grid, Cloud and HPC systems.
 - It could be very attractive for scientists to simply run even bigger reductions on a cloud system like EC2. This is supported by some workflow systems already.



Summary (cont.)



- **Tasks, questions and thoughts**

- What can IVOA standards provide to help future large scale projects in implementing globally distributed data centres? We do have some building blocks, but scalability to the data volumes and rates was neither a requirement nor has it ever been demonstrated.
- The interesting twist here is that regional centres very often are NOT part of or funded by the core project.
- How can the IVOA help users of LSST, LOFAR, Meerkat, ASKAP, MWA, SKA.... data to reduce their data on dedicated or general purpose HPC systems? Massive amounts of data might have to be transferred into such systems potentially from multiple regional data centres. Do we leave all this to the HPC/Grid community and to the projects?
- Evaluate GWS recommendations wrt. existing implementations. Some are not very widely used, what is the reason?