



International  
Centre for  
Radio  
Astronomy  
Research



# Grid & Web Services

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# 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 Wicencec	Yabi: A flexible HPC workflow system from Bio-Informatics	
André Schaaff	Discussion about workflows and the VO	

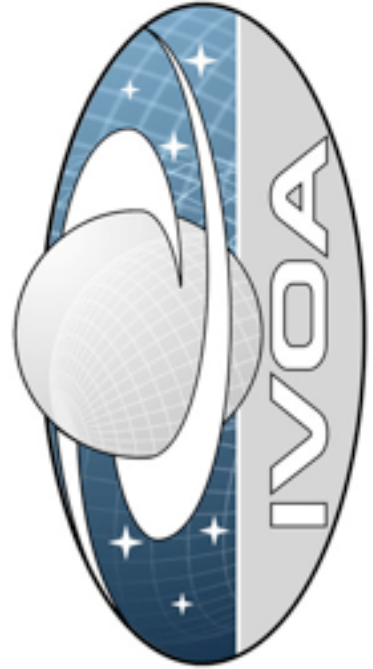
### GWS 2 -- Thursday 24 May, 14:00-15:30, Auditorium

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



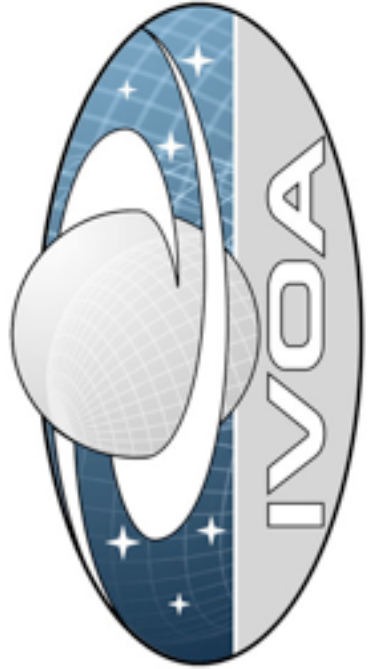
# Summary



- **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.

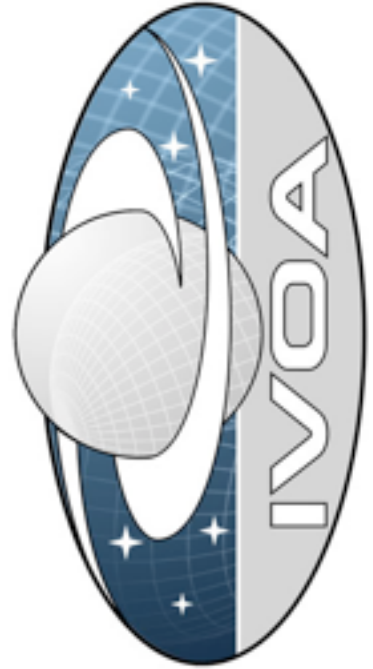


# Summary (cont.)



- **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?



25 May 2012 Last updated at 08:35 ET

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# Africa and Australasia to share Square Kilometre Array



**By Jonathan Amos**  
Science correspondent, BBC News

**South Africa, Australia and New Zealand will host the biggest radio telescope ever built.**

The nations belonging to the Square Kilometre Array (SKA) organisation took the decision at a meeting on Friday.

The 1.5bn-euro (£1.2bn) SKA's huge fields of antennas will sweep the sky for answers to the major outstanding questions in astronomy.



Pallab Ghosh visits Jodrell Bank where the SKA project team is based

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