

Grid and Web Services Working Group

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IVOA Santiago – October 2017

Focus of GWS

- Distributed storage and computing
- Workflows
- **Access Control**
(Authorization and Authentication)
- Service Compatibility and Interoperability
- **Code to data**
- Advancing existing standards
- Consideration of new standards

GWS Document Status

- VOSpace 2.1 – In RFC
 - Close to TCG sign-off
- New: Group Membership Service
 - Interoperable authorization based on group membership
 - Working towards a WD in ~~Santiago~~ Victoria

Remote Execution (code-to-data)

- “Science Platforms” BoF at ADASS
 - Many groups have either:
 - Jupyter Hub near the data
 - Containers near the data
 - Keen interest in IVOA interoperable standard(s)
- ML experiment between KDD/GWS (HITS/CADC)
 - Documenting the steps and information exchange needed to be successful
 - More experiments / use cases needed
- ADASS Slack Channel – Tell me if you’d like to join

GWS Telecons

- Experimenting with ~monthly telecons
- 3 held since Shanghai
- About 6-7 participants each telecon
- Effectiveness?

GWS I -- VOSI, VOSpace, A&A

Friday October 27 - O'Higgins - 14:00-15:30

Speaker	Title	Duration	Materials
Brian Major	GWS updates	10'	
Markus Demleitner	TAP service discovery	10' + 10'	pdf
Sara Bertocco	VOSpace file system implementation	12' + 3'	pdf
André Schaaff	Status on VOSpace Python implementation	3'	
André Schaaff	Feedback from FIM4R Montréal workshop and RDA Federated Identity Management IG.	7'	
Pierre Le Sidaner	Eduteams Promote - SSO Federation and Authorization	12' + 3'	pdf
All	A&A Discussion		

KDD / GWS -- Remote Execution

Saturday October 28 - O'Higgins - 9:00 - 10:30

Speaker	Title	Duration	Materials
Kai Polsterer	Introduction	10'	
François-Xavier Pineau	Prototype of an automated classification service: a use case for KDD?	20' + 5'	pdf
André Schaaff	Ongoing investigations around Spark and bringing code to the data	12' + 3'	pdf
Giuliano Taffoni	HPDA (high performance data analysis)	12' + 3'	pdf
Brian Major (for Dave Morris)	Discovering Internal Compute Capabilities	5' + 5'	pdf
All	Open Discussion	15'	

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