


# Grid and Web Services Working Group



Giuliano Taffoni & Dave Morris

# Memories From the past...





ESCAPE  
European Science Centre of Excellence &  
Partnership (ESCE) research infrastructure

## Grid and Web Services Working Group

IVOA Interop - Groningen 2019

Giuliano Taffoni - Christine Banek

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# Grid and Web Services Group Overview

*The unique and only palindrome WG in the IVOA*

“The aim of the GWS WG is to define the use of *Grid technologies* and *web services* within the VO context”

What we do :

Computing, storage, Auth&Authz, Science Platforms, cloud, containers...

Documents:

Standards;

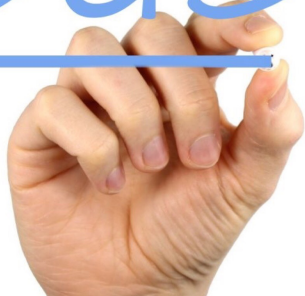
Best practices;

<b>GWS</b>	PDL - Parameter Description Language	1.0		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1
	SSO - Single-Sign-On Profile: Authentication Mechanisms	2.0		2.0	2.0	2.0	2.0	2.0	2.0	1.01	1.01		
	VOSpace service specification	2.1		2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	
				2.0	2.0	2.0	2.0	1.15	2.0	1.15	1.15	1.14	
				1.13	1.12	1.12	1.11	1.10	1.02	1.02	1.01		
				1.00	1.00								
	Credential Delegation Protocol	1.0		1.0	1.0	1.01	1.01	1.00					
	UWS - Universal Worker Service	1.1		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	
				1.0	1.0	1.0	1.0						
	VOSI - IVOA Support Interfaces	1.1		1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	
				1.0	1.0								
	GMS - Group Membership Service	1.0		1.0	1.0	1.0	1.0	1.0	1.0				

# GWS hot topics for this virtual Interop

- Single sign on and Tokes
- Computing and containers
- New requirements from projects (e.g. Ska) and their impact on the stadards
- What if....? Moving into the JSON epoch

FOCUS



# GWS sessions....

Schedule Summary							
Session	DateTime CEST	DateTime UTC	UTC-07:00	UTC-04:00	UTC+02:00	UTC+08:00	UTC+10:00
			<i>Victoria BC/Pasadena</i>	<i>Washington DC</i>	<b>Bologna</b>	<i>Perth/Beijing</i>	<i>Canberra</i>
GWS 1	<u>9 May 14:00 CEST</u>	<u>9 May 12:00 UTC</u>	9 May 05:00	9 May 08:00	<b>9 May 14:00</b>	9 May 20:00	9 May 22:00
GWS 2	<u>11 May 09:00 CEST</u>	<u>11 May 07:00 UTC</u>	11 May 00:00	11 May 03:00	<b>11 May 09:00</b>	11 May 15:00	11 May 17:00

# GWS1—the most crowded session in the...

Speaker	Title	Time	Time	Material
Giuliano Taffoni	GWS Status and perspectives	5'	14:00	PDF
Séverin Gaudet	TBD	12'	14:05	PDF
Simon O'Toole	The Australian Data & Computing Landscape	12'	14:18	PDF
Stefano Alberto Russo	Software containers and reproducibility: what can IVOA learn from it?	12'	...	PDF
Sara Bertocco	TBD	12'	...	PDF
Patrick Dowler	OIDC SSO in SRCNet prototypes	12'	...	PDF
Dave Morris	Execution Planner update	10'	...	PDF
Baptiste Cecconi	EXTRACT-TASKA: orchestration, data mining and decision making in radio astronomy	10'	...	PDF
Stéphane Aicardi	EOSC computational service	5'	...	PDF
All	Discussion	5'	...	

# GWS2 – What if...and discussion

Speaker	Title	Time	Time	Material	Abstract
Dave Morris	Introduction	5'	09:00	-	Updating the IVOA specifications
Frossie Economou	A "what-if?" VO service implementation	20'	09:05	-	<p>For historical reasons, Rubin Science Platform had a mature web services architecture before starting to implement many of the required VO-compliant APIs.</p> <p>This made the gaps between the our common development patterns and the ones required to implement the standards particularly noticeable.</p> <p>We have talked about these issues before in the IVOA context (see also <a href="https://sqr-063.lsst.io">sqr-063.lsst.io</a>) but sometimes these arguments come across as theoretical, or can end up being dominated by format arguments (e.g., xml vs json).</p> <p>In order to demonstrate more concretely the issues we have raised, we have done a what-if implementation alongside our standard compliant SODA service to highlight some of the divergence with current web services practice.</p> <p>We would like to prompt a discussion on how the standards can change not to solve any specific concern as a one-off, but in order to be able to evolve again, and again.</p>
ALL	Discussion	60'	09:25		

# Thanks for your attention...

Have a productive 2022 **IN PERSON** Iterop!

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Slack channel: [#grid-webservices](https://ivoa.slack.com)