

Grid and Web Services Working Group

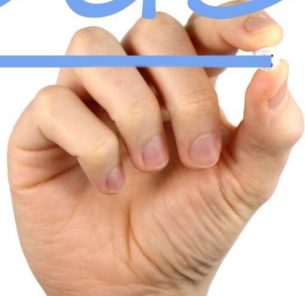


Giuliano Taffoni & Dave Morris

GWS hot topics for this virtual Interop

- Single sign on
- Computing and containers
- New requirements from projects (e.g. Ska) and their impact on the standards
- 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>	Bologna	<i>Perth/Beijing</i>	<i>Canberra</i>
GWS 1	9 May 14:00 CEST	9 May 12:00 UTC	9 May 05:00	9 May 08:00	9 May 14:00	9 May 20:00	9 May 22:00
GWS 2	11 May 09:00 CEST	11 May 07:00 UTC	11 May 00:00	11 May 03:00	11 May 09:00	11 May 15:00	11 May 17:00

Two Full Sessions + Science platform plenary sessions

Session presentation and recording are available

<https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpMay2023GWS>

GWS1—the most crowded session of the Interop

- Requirements, demonstrators and prototype implementations of tools and standards from large projects
 - SKA Mini Regional Center nodes and the role of SSO and executions planner (Severin Gaudet and Pat Dowler)
 - Australian landscape of resources and services (Simon O'Tool)
 - The hidden problems in using containers and the role of metadata for sw (S.A. Russo)
 - New frameworks for data miming for NenuFAR - Distributed computing, containers, orchstration and cloud (B. Cecconi)
- UWS implementation for computing resources in EOSC (S. Aicardi)
- The execution planner updates - resource description, time and data

GWS2 – What if...and discussion

Starting from the experience of Rubin Observatory (IVOA SODA implementation experience - <https://sqr-063.lsst.io>) prompt and motivate a **higher-level discussion about how we can evolve IVOA standards** over time.

- Questions - Should standard changes be highly conservative to ensure that existing software does not need to change? Should the standard try to embrace changes in common practices and development frameworks when those changes may require incompatible protocol changes? How should we navigate the trade-offs between these approaches?
- Long and effective discussion!
- We agree on the necessity to keep IVOA on the track of “new” and widely used technologies that are available and will be available;
- Start initial discussion on how! (Small working group spontaneously forms)
- Further discussions must be stimulated on the wave of the enthusiasm!

Science platform sessions: GWS PoV

- Great overview on the science platforms developed for astronomy
- Data oriented, computign oriented, interactive computing...
- General concept adopted in different frameworks: **simplify the [...] for scientists.**
- Resusability and Recycle!
- Standards from GWS: VOSpace, SSO,

Not always standards are able to fulfill the requiremnets of such complex infrastructures - Interoperability is not close we need to work hard maybe starting from SSO and Credential Delegation. New standards may help large project (ExecPlan)

Thanks for your participation...

Thanks to speakers that make session possible and attendees that make the discussion so lively and interesting

We had a productive 2023 **IN PERSON** Iterop!

Subscribe to grid@ivoa.net <http://ivoa.net/members>

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