Committee on Science Priorities closing remarks

Raffaele D'Abrusco
IVOA Committee on Science Priorities (CSP)
http://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaSciencePriorities

Chandra X-ray Centre, Cambridge, MA

IVOA InterOp, College Park, 10/11/2018

Current members:

Mark Allen (CDS), Enrique Solano (SVO), Kai Lars Polsterer (HITS), Bruno Merín (chair, ESA), Christophe Arviset (ESA), Pat Dowler (CADC), Raffaele D'Abrusco (CXC), Gregory Dubois-Felsmann (Caltech/IPAC-LSST), Janet Evans (CXC), Chenzhou Cui (NAO/CAS)

New member:

Mark Lacy (NRAO)

More proposals to be sent to csp@ivoa.net and exec@ivoa.net
Everything at http://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaSciencePriorities

Current priorities (status and remaining work to be assessed):

- Time-domain astronomy
- Multi-dimensional data: spectral or time cubes (sky + wavelength/ frequency)

Topics discussed:

★ **Data discoverability and access**:
  - assess and - if needed - try to improve data discoverability through the registry (can we gauge what our users think of this issue before the next InterOp?)
  - make software available to data providers to link to such registry
  - which steps toward realizing the vision of making single-point access to all the community's data available from any IVOA client?

Other possible future priorities:

- Engage with the astronomical Python community!

- Standards for science platforms and their interoperability

- Efficient access to large amounts of survey data

- Others?

The CSP continues to observe a growing need to connect the VO world with Python community in astronomy

Possible next steps:

- CSP will define some "data interoperability science use cases" to **bring VO capabilities where the astronomers are**
    - naturally derived from what VO technology allows
- encourage IVOA partners to directly participate in the astropy effort
- organize a hackathon on python (astropy +?) and VO, encouraging open participation
    - a IVOA@Paris2019 hackathon to jumpstart this process?

- We need active and enthusiastic scientists at the Committee of Science Priorities!!

- Talk to us if you are interested!!

- csp@ivoa.net

Great work everyone !!

See you in Paris !!

European Space Agency

Thanks!

Committee on Science Priorities : csp@ivoa.net