CSP closing remarks

Bruno Merín
IVOA Committee on Science Priorities (CSP)
http://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaSciencePriorities

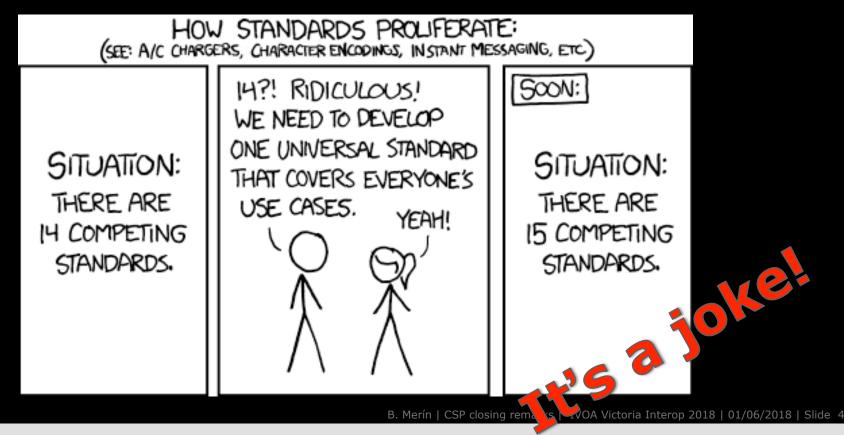European Space Agency

IVOA Interop, Victoria, 28/05/2018

- Current members:

  - Mark Allen (CDS), Enrique Solano (SVO), Kai Lars Polsterer (HITS), Bruno Merín (chair, ESA), Brian Glendenning (NRAO), Christophe Arviset (ESA), Matthew Graham (CalTech), Pat Dowler (CADC),

- New members:

  - Raffaele D'Abrusco (Chandra)
  - Gregory Dubois-Felsmann (LSST / IPAC)

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

Upcoming plan for the CSP work

- We plan to
  - review the status or current priorities
  - create a science roadmap to be linked to the TCG roadmap
  - propose new emerging priorities
  - liaise with interest and working groups where needed

- We invite anyone in IVOA to our telecons, just contact us.
- Anyone with science questions please ask at csp@ivoa.net

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Current scientific priorities at IVOA

- Time-domain astronomy: light-curves -> VOEvent and Data Models
  - GREAT PROGRESS HERE! Kudos to IGTD, DAL, DM, VO-DML
  - Multi-dimensional data: spectral or time cubes (sky + wavelength/frequency)
  - GREAT PROGRESS HERE! TAP and HiPS are ubiquitous now! T-MOC !

- New priorities:

  - An IVOA portal : one single place where users will find **all** information
  - GREAT PROGRESS HERE! Kudos to Media group and collaborators

- More suggestions:

  - Standard for science platforms? (check scienceplatfoms.slack.com)
  - Virtual Reality/Advanced Reality standards?
  - Other growing areas/priorities?

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Python, astronomy and the IVOA

- We had an interesting discussion with representatives from the astropy community on Thursday.

- Possible synergies identified :
  - IVOA members to contribute to existing python packages to search effectively in the VO (pyvo and astroquery)
  - IVOA members to share standardisation expertise in astropy issues discussion fora at github
  - IVOA to enlarge exposure of our reference implementations via github

- The CSP recommends ref. implementations in python where possible

The IVOA needs you

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

- Talk to us if you are interested!!

- csp@ivoa.net

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Great work everyone !!

See you in College Park !!

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Thanks!

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