Current and emerging priorities

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Science Priority Areas

Multi-dimensional Data

Radio astronomy, Integral Field Spectroscopy, high energy, polarization, simulation, data mining datasets + ...

Time Domain Astronomy

Time Series, light curves, transient event reports, +...

- Need to ensure that these are accessible and useable within the VO

Identifying Priorities

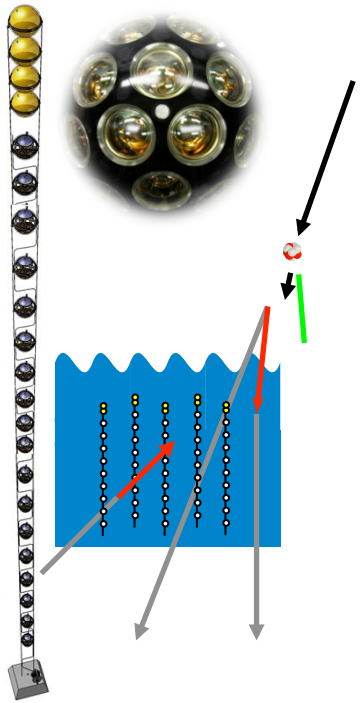
- CSP identifies common scientific needs
  - Via IVOA member projects and their Science Advisory Boards/Committees
  - By interacting with science communities
- Engagement with big projects
  - Focus sessions (May 2013, May 2014, June 2015)
  - Connections via IVOA member projects
  - Big projects more integrated with VO projects

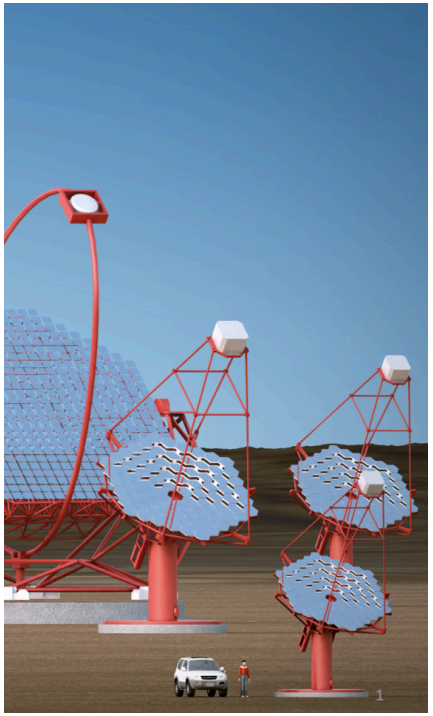
Approach

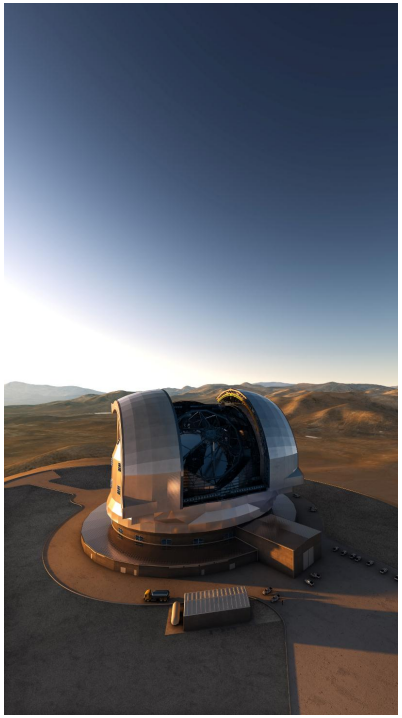
- Focus sessions invite projects to interact with IVOA to make sure VO is relevant to their needs
- Identify use cases
- Derive requirements with TCG
- Use requirements to guide the standards development in WGs, and to manage scope and timing

Going further with project input:

Make the big projects **'Participants'** in the development of the VO, e.g. ASTERICS







Cluster of ESFRI projects and their pathfinders, and relevant research infrastructures

Current & emerging priorities

- Current priorities relevant to big projects coming in:
  - In particular the Multi-d next steps
  - Time domain
  - Provenance
- Emerging Priorities:
  - At this meeting: LSST, Gaia, Euclid
    - 'Run the code next to the data'
    - Follow-up paths to be explored