CTA interoperability workshop
# Previous activities report

Mathieu Servillat (LUTH - Observatoire de Paris / CNRS)
François Bonnarel, Mireille Louys (CDS), Catherine Boisson (LUTH)

CTA Data Access and Virtual Observatory (VO)

- Discussed in the CTA **Data Model group**
  - after earlier discussion (see Mireille's presentation)

- One of the result was the CTA **Master Configuration Data Model**
  - evolution of previous diagrams

- **Prototype** to test VO technologies for CTA
  - CTA internal document (presents VO standards and prototype technical structure)
  - ObsCore description adapted to CTA
  - ObsTAP server implemented (using DaCHS)
  - Web interface developed to query the ObsTAP server : TAP Distiller
    - → https://voparis-cta-test.obspm.fr
  - Web interface to further process data : OPUS
    - → https://voparis-uws-test.obspm.fr – [ADASS XXX proceedings]

CTA Master Configuration Data Model
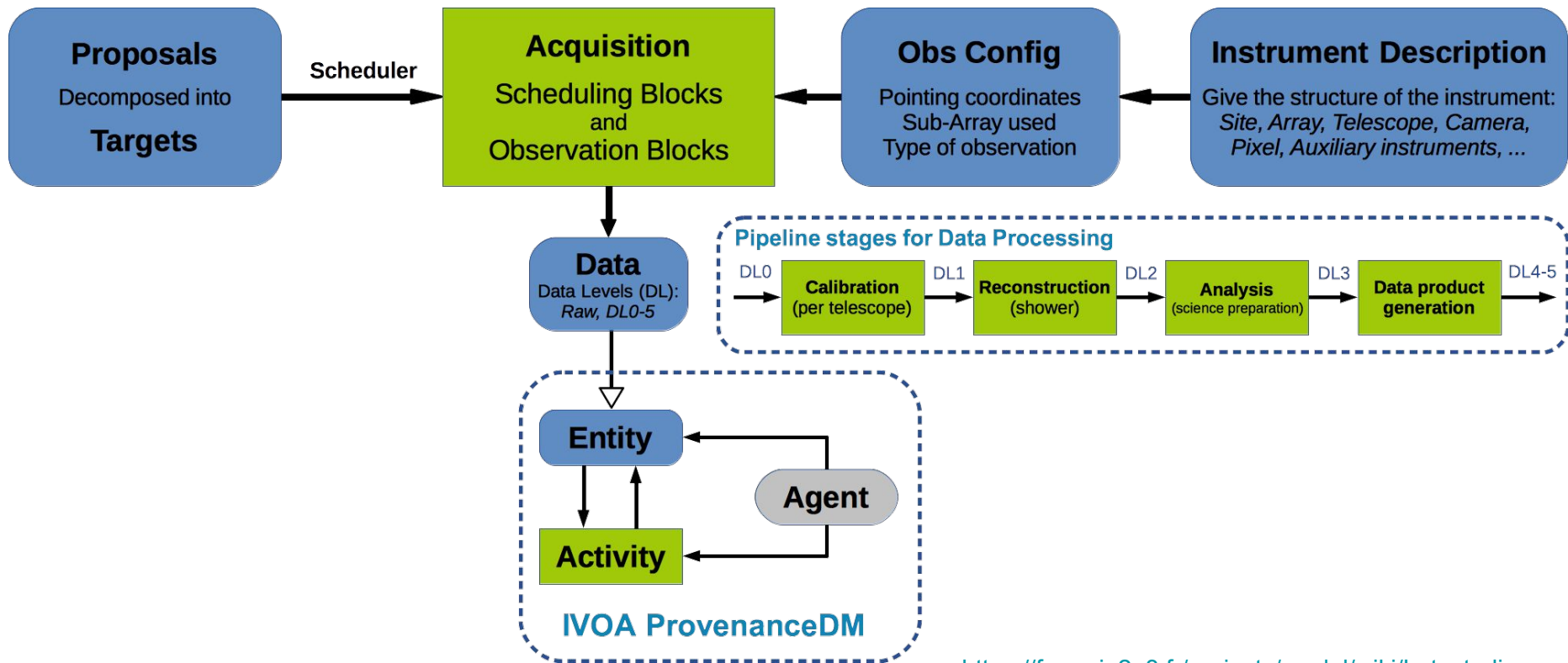
CTA Master Configuration Data Model
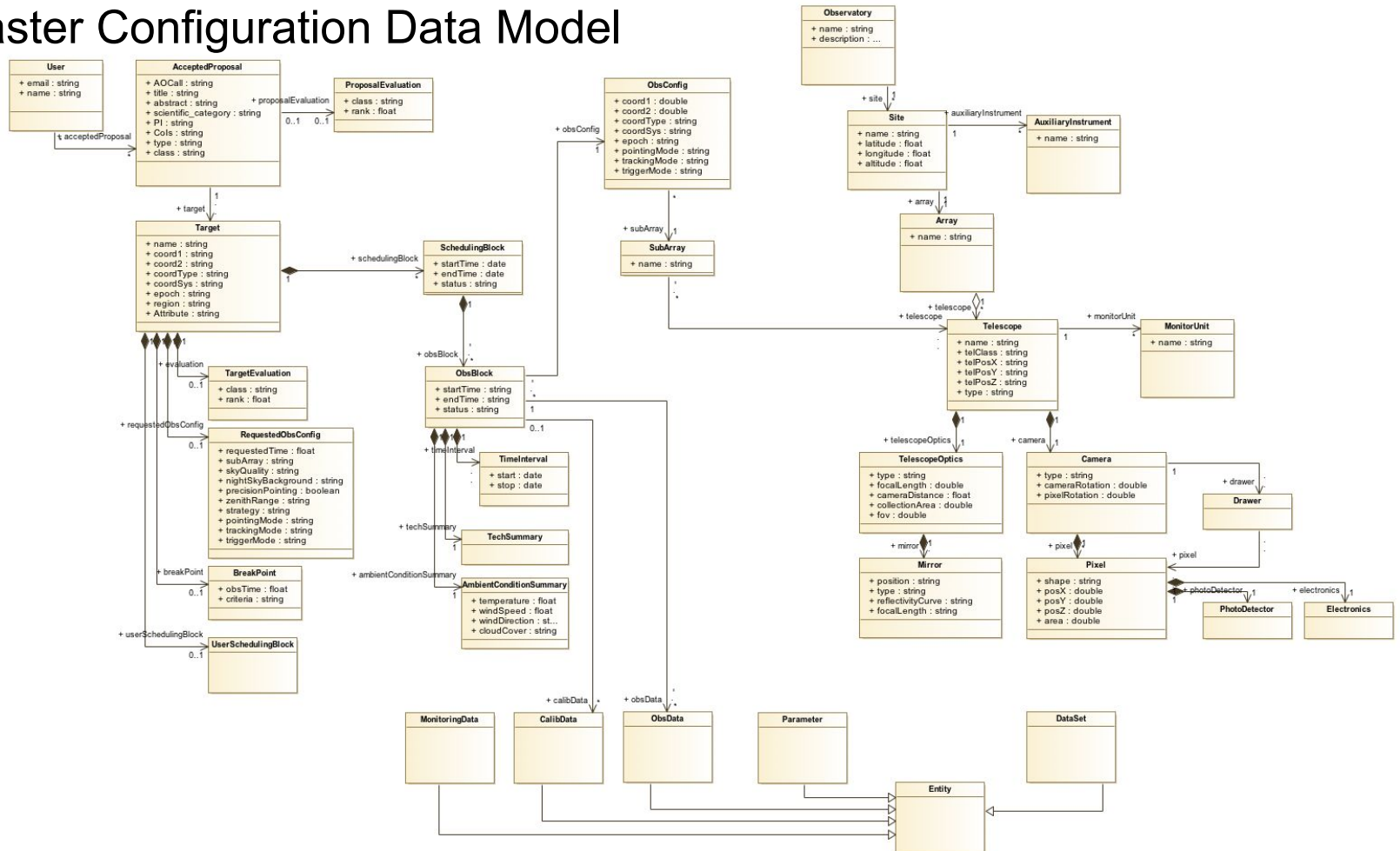
Prototype design:
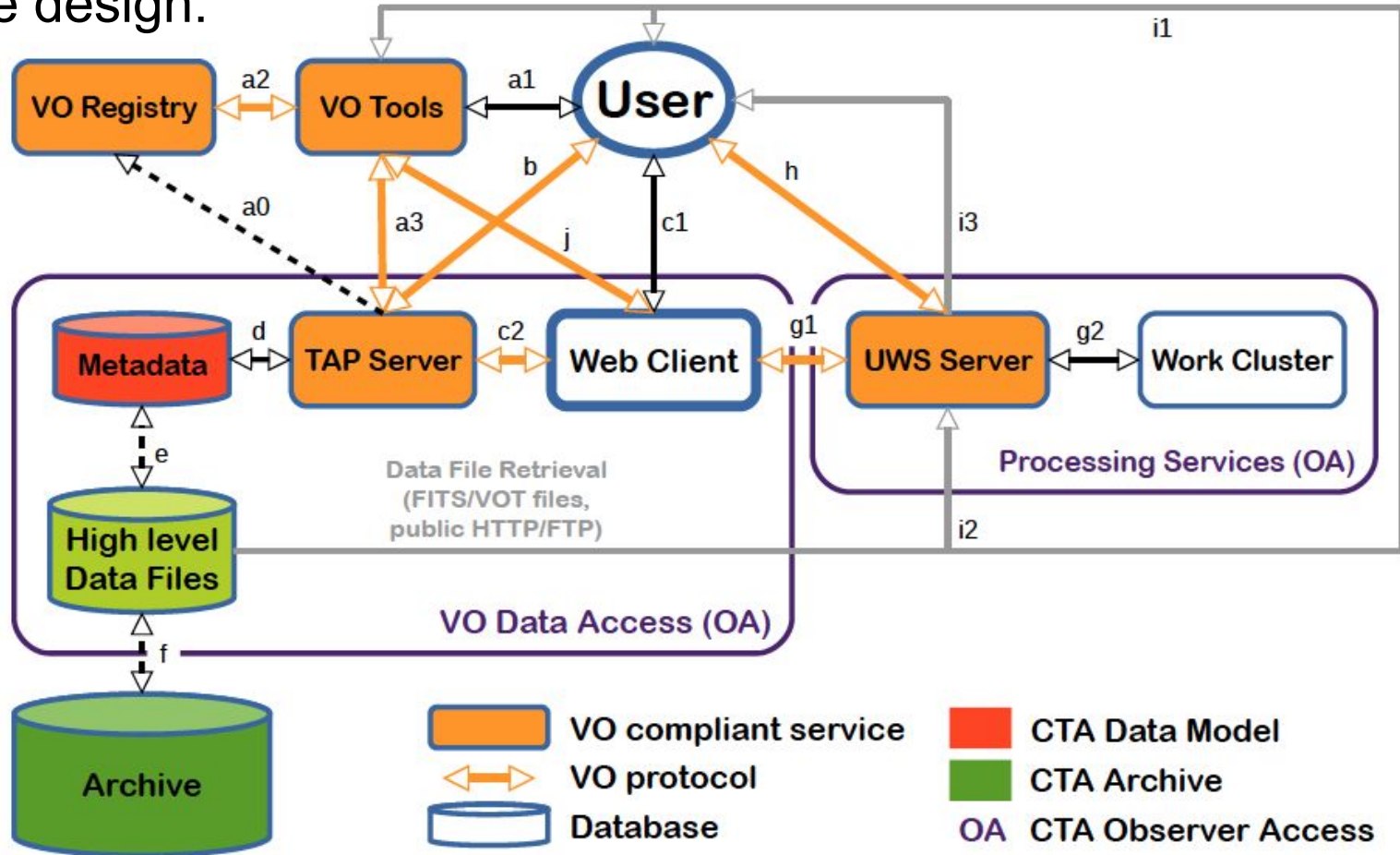
H.E.S.S. Public Data Release VO Access

https://hess-dr.obspm.fr / https://www.mpi-hd.mpg.de/hfm/HESS
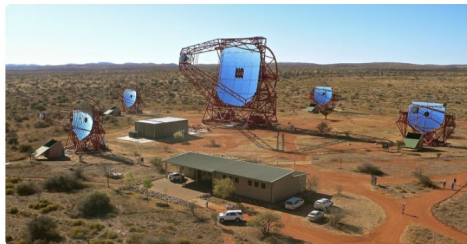
H.E.S.S. is a system of Imaging Atmospheric Cherenkov Telescopes that investigates cosmic gamma rays in the energy range from 10s of GeV to 10s of TeV. The instrument allows scientists to explore gamma-ray sources with intensities at a level of a few thousandths of the flux of the Crab nebula (the brightest steady source of gamma rays in the sky).

Observatoire de Paris 2021. Based on Django, jQuery and Bootstrap.

OPUS → https://voparis-uws-test.obspm.fr
[ADASS XXX proceedings]

TAP Distiller → https://voparis-cta-test.obspm.fr