CTA-Australia Funding for CTA



ARC

LIEF #1 2015 for CTA pre-production ~\$450k LIEF #2 2017-2021 for CTA construction, software & support ~\$450k/yr LIEF #3 2021-2024 construction, software, optical polarimeter ~ \$600k/yr Adelaide, WSU, UNSW, Sydney, Monash, ANU, Curtin, Nagoya, MPIK, Armagh Obs. Paperwork signed!

 → ~2 MEuro for construction 2015-2024 (cash + in-kind)
 450 kEuro transferred to CTAO for 'common' construction (2019 250kEuro + 2021 200kEuro)

NCRIS/AAL

- 1. CTAO membership ~ 55kEuro/yr (since 2017)
 - \rightarrow CTAO Council membership
 - → CTAO-ERIC BGR membership
 - \rightarrow CTAO-ERIC membership as a 3rd party

AAL will continue funding into FY 2023/24

- 2. Australia's science engagement in CTAC ~ \$100k/yr (since 2015)
- travel to international CTAC meetings (60%)
- facilitate MWL linkages in Australia & local CTA-Oz meetings (40%)
 AAL funding until FY 2020/21 (~\$50k remaining) → Replace by LIEF #4



Future Funding

LIEF #4 2024 application for 2025+ funding (5 yr duration)
 ~200kEuro/yr CTAO operations cost for Aust. (approx)
 ~\$A150k/yr CTA-Australia `support scientist'
 ~\$A30k/yr CTA-Oz meeting, travel to CTA meetings etc., engagement

- AAL co-funding approved to 2023/24 ~ 55kEuro/yr

CTAO Secondments 1 FTE = 70kEuro !

SKAO, ESO white papers
 For each WP – coordinator x2 + chapter authors
 Computing?

MWL Projects for CTA-Oz

- ANU 2.3m + SSO transients (new LIEF awarded)
- CTA-Pol
- ATCA (BIGCAT upgrade) TeV GRBs, TeV AGN for TANAMI
- CTA-Oz involvements in KSPs
 - \rightarrow Identify staff & students and projects to engage in process
- SKAO & ESO synergies white papers

Secondments of Interest

- P02.1 Deputy Project Scientist:
 - Write SKAO CTAO white paper
 - Coordinate MWL activities / arrange MWL observations
- P02.3 Data Challenges Junior Scientist (→ Sabrina preference):
 - Coordinate / prepare upcoming data challenge
 - Technical support with IRF production, simulation (including realistic scenarios with bad weather, broken pixels etc), ...
 - Overlaps with current / future involvement in analysis tools
- P02.6 Simulation Scientist (→ Sabrina backup):
 - Support running simulations
 - Support implementing divergent pointing
 - More service work and cannot really be re-used for our interests here
- P06.X.X Computing:
 - Lots of different positions, especially in system engineering with IT and computer science background
 - Possibly funded by AAL and from their pool of IT people

CTA-Adelaide Updates | S. Einecke

Contact Gavin Rowell or Sabrina Einecke if you're interested!

Discussion notes:

LIEF #4: Add some support for radio astronomy facilities
 e.g. ATCA upgrades or usage (~A\$100k)
 and/or industry opportunity (e.g. Pentalym licence? ~\$50k)

- CTAO secondments: Typically looking at 0.1 to 0.2 FTE per Secondment. Ideally remote work is preferred.

See CTAO Secondment Opportunities website

https://www.cta-observatory.org/jobs/ctao-secondments/

- Next CTA-Oz meeting in Perth (Curtin)?