



LAPP AstroGamma – CTA

G. Lamanna

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CTA LAPP,
1 décembre, 2014



Le but de cette réunion est de faire le point sur l'état d'avancement des travaux, établir les priorités et les demandes des besoins pour le COM dans les prochains deux-trois ans.

Yannis et le Conseil de Laboratoire ont confié à Vincent Tisserand avec un comité la tâche de faire la revue pour le renouvellement du Contrat d'Objectif Moyens entre le LAPP et le groupe LAPP CTA pour les années à venir. Ce COM sera présenté à la première réunion du Conseil 2015 (sans doute fin janv - début fév).

Les membres du comité sont:

- VT (coordinateur de la revue et examen de l'organisation du groupe)
- Loïc Rolland (pour la partie physique)
- Franck Cadoux UniGe (pour la partie projet mécanique)
- Fabio Hernandez CCIN2P3 (pour la partie projet computing)
- Andréa Jérémie (pour la partie instrumentation, automatisme et électronique)

La période est chargée:

- CTA TDRs
- Tourniquet 01 9/12/2014
- AERES 7-9/01/2015

TOWARDS LEGAL FRAMEWORK: CTAO GMBH

Founded in late July with

- Germany (DESY)
- Italy (INAF)
- Switzerland (Uni Zurich)

as founding members, WH acts as MD

Working towards adding the other countries (France in February)

Operates Project Office, employs PO personnel

- Funding for work and significant growth in 2014 ensured
- More than 50% of 2015 funding ensured

Science
Performance and
Prel.
Requirements
Review

Preliminary
Design Review

Critical Design
Review

Founding
Agreement

Feb. 2013 ✓

Nov. 2013 ✓

Spring 2015

TECHNICAL DESIGN REPORT



CTA
Observatory
Construction
Proposal

Observatory
TDR

Infrastructure
TDR

Systems Eng.
& Safety TDR

Array Control
TDR

Data
Management
TDR

LST TDR

MST TDR

SST TDR(s)

SCT TDR*

SITE

South

- 1) Armazones
- 2) Aar
- 3) ...

North

- 1) San Pedro Martir
- 2) Meteor Crater
- 3) Yavapai
- 4) Teide

LA PALMA .. accepted

CTA & EC

Prep Phase funding was crucial for CTA

- Allowed establishment of the Project Office
- Supported management of project and projects
- Supported R&D with industry
- Supported science workshops
- Supported outreach activities

Not quite over yet ...

- Still struggling with final deliverables
- Still struggling with final report

Developing new world-class research infrastructures

H2020-INFRADEV-1-2014-1

Sub call of: [H2020-INFRADEV-2014-2015](#)

Planned Opening date 11-12-2013

Publication date 11-12-2013

Total Call Budget €95,000,000

Status **Closed**

Deadline Date 02-09-2014 17:00:00 (Brussels local time)

Main Pillar Excellent Science

OJ reference [OJ C361, p. 9 of 11.12.2013](#)

Topic: Implementation and operation of cross-cutting services and solutions for clusters of ESFRI and other relevant research infrastructure initiatives

INFRADEV-4-2014-2015

Astronomy ESFRI and Research Infrastructure Cluster (ASTERICS)

aims to address the cross-cutting synergies and common challenges shared by the various Astronomy ESFRI facilities (SKA, CTA, KM3Net & E-ELT)

Submitted Sept. 2, Request: 14.99 Meuro

G. Lamanna coordinated the CTA participations

asterics

WP1 - ASTERICS Management

WP2 (DPECS) - Dissemination, Public Engagement and Citizen Science

WP3 (OBELICS) - OBservatory E-environments Linked by Common challengeS ... this is the ASTERICS flagship WP
(G.Lamanna leading)

WP4 (DADI) - Data Access, Discovery and Interoperability this WP aims to interface the ESFRI projects, and various others RIs (including multi-messenger aspects) into the Virtual Observatory

WP5 (CLEOPATRA) - Connecting Locations of ESFRI Observatories and Partners in Astronomy for Timing and Real-time Alerts)

- CTA Consortium work (still) on schedule towards final TDRs delivered to PO in Dec. 2014, to STAC end of Feb. 2015, for Critical Design Review in Spring
 - but with somewhat reduced scope of TDRs
- RB-related tasks more critical
 - Interim legal entity took much longer than anticipated, still issues to be resolved
 - Site negotiations have not yet started
 - Time scale for founding agreement not well-defined