# Task 3.1: MAnagement, User engagement and data Dissemination (MAUD)
## Jayesh Wagh, CNRS-LAPP
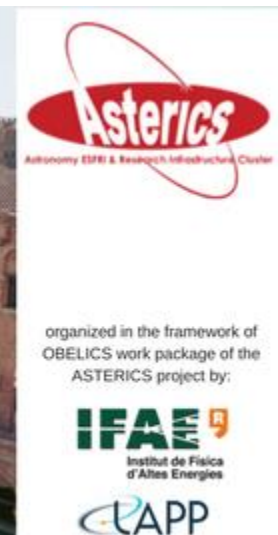
2ND ASTERICS-OBELICS WORKSHOP
16-19 OCTOBER 2017

ASTRONOMY &
ASTROPARTICLE
PHYSICS ASSETS IN
BUILDING THE
EUROPEAN OPEN
SCIENCE CLOUD

CASA CONVALESCÈNCIA,
BARCELONA, SPAIN

organized in the framework of
OBELICS work package of the
ASTERICS project by:

IFAE
Institut de Física
d'Altes Energies

LAPP

# Task 3.1: MAnagement, User engagement and data Dissemination (MAUD)

**01**

**02**

**03**

**04**

**Internal Coordination with workpackage partners**

**Dissemination to external community**

**Industrial Cooperation**

**Deliverables**

# 1<sup>st</sup> ASTERICS-OBELICS Workshop

Science Data Cloud & Computing models in Astronomy and Astroparticle physics, Rome 12-14 December 2016.





- 7 **tutorials** with **live demos**, 20 **invited talks** and 5 **panel discussions** addressing Authorization and Authentication, Data Storage, Transfer & Preservation, Large Databases, Workflow management & Interoperability.

- **87** scientist and technologist amongst the participants.

- Participants from **CERN & LIGO**.

- Call for **expressions of interest** for industrial cooperation was launched.

- Outreach on social media: **6450 tweet impressions**.

# Call for expressions of Interest for Industrial Cooperation

- Post workshop follow up and collaboration with industries through **call for expression of interests**.

- 2 Proposals from companies in the field of artificial intelligence and high performance computing

# Industrial Cooperation

## **Project 1: GammaLearn**

- MoU signed by all the parties.

- Kickoff meeting was organized at LAPP with all the project members from LAPP, OROBIX and LISTIC.

- Meeting included presentations and hands-on training on deep learning methods applied to IACT data.

- PhD student joined LAPP from 1st October.

2nd ASTERICS-OBELICS Workshop 2017/ Barcelona

- **1st ASTERICS-OBELICS International School (D3.7, M24) , 6-9 June 2017, LAPP-Annecy, France**
  - ➤ 65 participants (students) + 15 Tutors
  - ➤ Specifically intended for a large audience including **PhD students, postdocs, senior researchers** from the domain of astrophysics and astroparticle physics .
  - ➤ The school included theory and hands-on sessions on **Efficient code writing, Parallel & GPU programming & Python libraries for astronomy & astrophysics**.

# Emphasis on dissemination

# Midterm Project Review - March 2017

- Excellent overall correspondence with the work plan.

- Feedback on industrial cooperation.

- Highlights of the project : efficient algorithm of lossless compression for digitalised signals; a software library for fast, vectorised, array reductions and moment calculations.

# 2<sup>nd</sup> ASTERICS-OBELICS Workshop



2ND ASTERICS-OBELICS WORKSHOP
16-19 OCTOBER 2017

ASTRONOMY &
ASTROPARTICLE
PHYSICS ASSETS IN
BUILDING THE
EUROPEAN OPEN
SCIENCE CLOUD

CASA CONVALESCÈNCIA,
BARCELONA, SPAIN

organized in the framework of
OBELICS work package of the
ASTERICS project by:

# Coming up next…

- 2<sup>nd</sup> call for expressions of Interest for industrial cooperation… **NOW OPEN !**

- Visit [www.asterics2020.eu](http://www.asterics2020.eu) for more information.



- 2<sup>nd</sup> ASTERICS-OBELICS International School, June 2018, LAPP Annecy, France

- Potential themes: Machine Learning, Python programming, C++ for astronomy and astroparticle physics

# Thank you !