



WP 7 Deliverable No. 7.3

TA3 2nd year report

Project acronym:

AHEAD2020

Project Title:

Integrated Activities for the High Energy Astrophysics Domain

Grant Agreement No: **871158**

**This deliverable is part of a project that has received funding from the European Union's
Horizon 2020 research and innovation programme**

Start date of the project:

2020-03-02

Due date of deliverable: 01/03/2022

Submission date: 23/02/2022

File Name: WP7_D7.3_TA3_2ndyrreport_v1.pdf

Prepared by: Marc Audard

Version	Revision Date	Prepared by	Review and approval
1.0	23/02/2022	Marc Audard	Luigi Piro

Distribution List	Date	Version
AHEAD2020 Consortium Board	23.02.2022	1.0

Second year report of WP7 TA34

Second year report of WP7 TA3

This document concerns the delivery of the WP7 TA3 (Trans-national access for computational astrophysics) second year report. For this report, we detail the output of the first call (issued during the 1st year but with the selection and outcome at the start of the 2nd year) and of the second call. Similarly, we also note that the 3rd call has been issued at the end of 2nd year, and the outcome will be provided in the 3rd year report. The calls were affected by the COVID19 outbreak, with reduced travel opportunities. Remote TNA access was offered to users.

The first call for TNA Computational Astrophysics opened January 11, 2021 and closed February 22, 2021, while the 2nd call opened July 12, 2021 and closed August 30, 2021.

The calls were advertised by the AHEAD2020 project via several professional e-mail distribution lists (including the Royal Astronomical Society, IAU, COSPAR). In addition, the call was forwarded to colleagues in Europe, and was advertised on the websites of the AHEAD2020 TNA websites and on the main AHEAD 2020 website. The proposals for TA3 were submitted on the TNA Computational Astrophysics website:

<https://www.astro.unige.ch/ahead/>

For the 1st call, two applications were received from EU associated countries. For the 2nd call, one application only was received also from EU. The review panel including 7 members external to AHEAD2020 and the WP2, WP6, and WP7 leaders ranked the applications and decided to accept the all TA3 applications, in the 1st and 2nd calls, respectively.

Results of 1st call:

Project : Joining GWs and GRB afterglows data: a combined fitting pipeline

User : Giulia Gianfagna (INAF IAPS, Italy)

Facility : University of Bath

Accepted Yes

No of visiting person: 1

Days: 22-26/11/2021, incl. travel

Project : Deep the synchrotron X-ray emission in protostellar jets

User : Anabella Araudo (Montpellier, France and Czech Academy, Czech Republic)

Facility : INAF Palermo

Accepted Yes

No of visiting person: 1

Days: 17-24/09/2021, incl. travel

Results of 2nd call:

Project: Electromagnetic counterparts of gravitationalwave events

User : Mattia Bulla (Stockholm, Sweden)

Facility : University of Ferrara

Accepted Yes

No of visiting person: 1

Days: 21/02-04/03/2022, incl. travel

The users were requested to provide feedback after their visit using a AHEAD2020 specific form and filling the EU form.

We note that, despite the offered remote access, users preferred to postpone their visit and travel to the facility. This is likely explained by the complex nature of computational astrophysics and the need for close interactions with the experts at the facility, in particular since the users are young scientists with little expertise in the offered services, and thus requiring strong support.

In addition, the low number of applications for the 1st and 2nd calls are lower than expected, but likely due to the COVID19 outbreak and to the fact that this TNA is a novel offer from the AHEAD project that may require some time for a higher visibility in the astrophysical community.

The 3rd call was issued January 20 and will close March 4, 2022. We will report about its outcome in the 3rd year report.