

WP 4 Deliverable No. 4.4

Multi-messenger webpage

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

Version	Revision Date	Prepared by	Review and approval
0.1	28 October 2021	G. Rossi	Content
0.1	28 October 2021	F. Spagnuolo	Review
0.1	28 October 2021	S. Katsanevas	Approval
1	29 October 2021	F. Spagnuolo	Updates to Figure 2
2	24 February 2022	F. Spagnuolo	Revisions and updates to Figure 2
2	24 February	L. Natalucci	Revisions
2	25 February	F.Spagnuolo	Final edit

Distribution List	Date	Version
S. Katsanevas, V. Napolano, G.Rossi	26 October 2021	0.1
S. Katsanevas	28 October 2021	0.2
L. Natalucci, L. Piro	29 October 2021	0.3
L. Natalucci, I. Georgantopoulos	24 February 2022	2

Introduction	4
Description	5
Workshops	5
Observatories	5
Networking	6
Tools/Alerts	6
Roadmaps	6
Posters	7

Introduction

A webpage dedicated to Gravitational Waves and Multiwavelength Astronomy has been developed by the European Gravitational Observatory and operates under its management (Fig. 1).

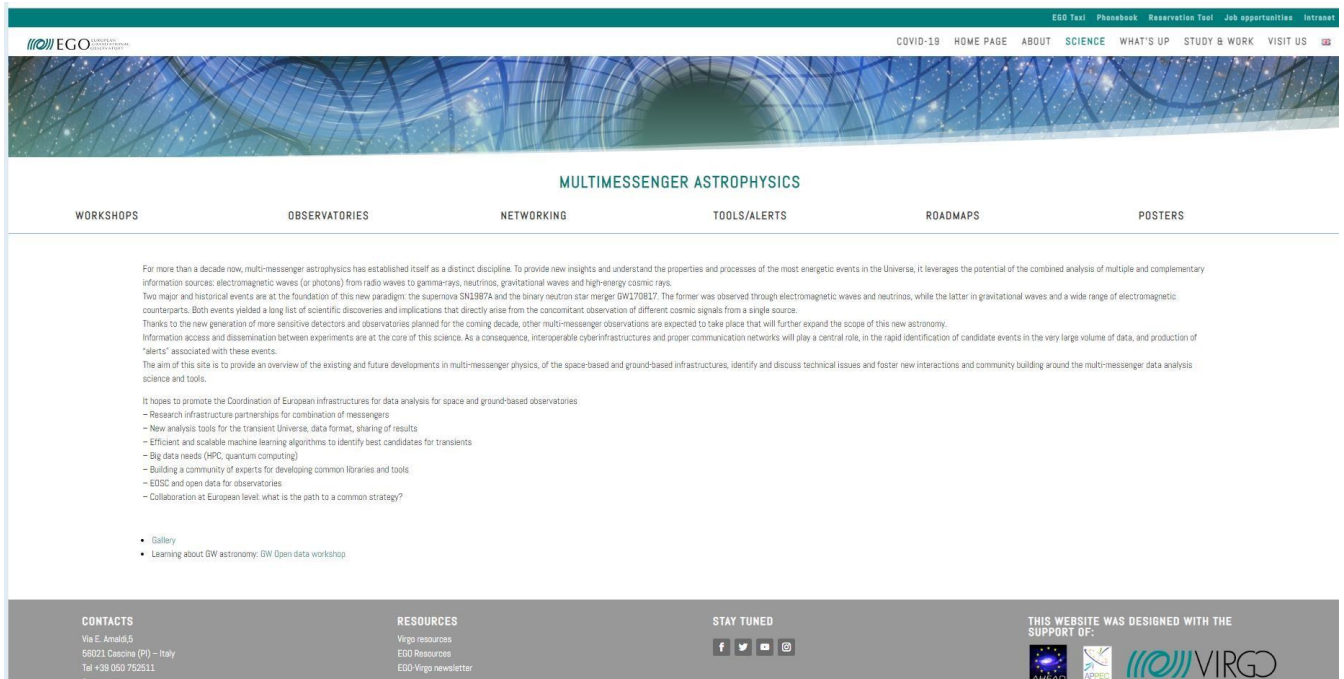


Figure 1 – AHEAD 2020 Gravitational Waves and Multiwavelength Astronomy webpage on the EGO website

The MMA (Multi-Messenger Astrophysics) webpage was built using Wordpress as a content management system and Divi Builder, as visual website builder for Wordpress.

The webpage, linked to the EGO website (<https://www.ego-gw.it/>) and hosted as a subsection of the EGO institutional website, under the section “Science”, is available via the following Uniform Resource Locator: <https://www.ego-gw.it/multi-messenger-astrophysics/>

The EGO multimessenger webpage (<https://www.ego-gw.it/multi-messenger-astrophysics/>) will work in synergy with the AHEAD2020 webpages hosted in the EGO website (https://www.ego-gw.it/eu_projects/ahead2020/) and will be linked to the general AHEAD2020 public outreach site (<http://ahead.astro.noa.gr>), where the EGO activities on outreach will be also described. The AHEAD2020 general news relevant to the multi-messenger astrophysics domain will be also replicated in the EGO/MMA website

Description

The webpage contains the following sections:

- Workshops;
- Observatories;
- Networking;
- Tools/alerts;
- Roadmaps;
- Posters.

Workshops

A list of workshops (already held and planned) is included in this section. A link to the relevant indico page is/will be added, in order to give access to relevant information (agenda, participants, list of contributions, etc.) and the possibility, to all interested parties, to register to the upcoming workshops. As already mentioned, this section will be used to promote AHEAD 2020 workshops to be organized in the field of Multi-Messenger Astronomy and to build synergies with High Energy and Geoscience communities.

Observatories

This section contains information on the Observatories 'status, including future large observatories, and a link to their institutional website.

The Observatories listed in the homonymous section of the MMA webpage pertain to the following domains:

- Gravitational Waves;
- Radio;
- Infrared(ir)/Optical
- Ultraviolet (UV)
- X-Rays
- Low energy gamma-rays
- High energy gamma-rays
- Low energy neutrinos
- High energy neutrinos
- Ultra-high-energy cosmic rays

Networking

The “Networking” section includes links to (i) Follow-up networks and (ii) Infrastructure, analysis and software groups, and it is thought to provide useful information on research projects and scientific collaborations of interest to the MMA community.

Tools/Alerts

This section contains a list of resources useful to access public data and alert distribution pages. It will be updated when new tools and alerts are publicly available.

Roadmaps

A link to the main agency roadmaps in the field of particle and astroparticle physics, astronomy and space is provided under this section, which currently includes the following roadmaps:

- European Astroparticle Physics Strategy 2017-2026 (APPEC)
- Science Vision &Infrastructure Roadmap 2020-2030 (ASTRONET)
- Voyage 2050-Long-term Planning of the ESA Science Programme (ESA)
- Snowmass 2021 – DPF Community Planning Exercise (Snowmass)
- Astro2020 – Decadal Survey on Astronomy and Astrophysics 2020 (ASTRO2020)
- NASA Artemis (NASA)
- NASA Decadal Survey (NASA BPS)

Posters

A series of nine educational posters addressing the topic of multi-messenger astronomy has been developed within WP4 - Public Outreach (Task 4.5 -Educational Posters) and uploaded in the “Posters” section of the MMA webpage (see fig. 2). The content of the posters and the work behind their design and elaboration is described in a separate deliverable (Deliverable D4.1- Multi- messenger posters).

Figure 2 – AHEAD 2020 Multi-messenger posters

