

SHARING AHEAD 2022 - Public communication of astrophysics across Europe



Contribution ID: 24

Type: **not specified**

There is not just one Cosmos - Involving, connecting and story-telling in Multimessenger Astronomy

Thursday, 3 November 2022 14:30 (20 minutes)

The communication and outreach activities of the European Gravitational Observatory (EGO) in recent years have been inspired by some general ideas about the meaning and value for the society of the scientific revolution related to gravitational waves and Multimessenger Astronomy. Indeed these initiatives have been oriented by the idea that the achievements of scientific knowledge always have a 'counterpart' in our way of conceiving the human being's place in the Cosmos and thus a reflection in a societal, aesthetic and, in a broader sense, cultural sphere. Another aspect, explored and recounted in various ways, is related to the connection of observatories or antennas (e.g. gravitational antennas) with their host environment (on the Earth, underground or under the sea...), that can drive useful applications for the society and other research sectors. Then a further inspiring principle has been the particular value, in terms of inclusion, but also of enhancing the research tools, of multi-sensory data analysis, particularly in the context of multi-messenger astronomy. We will present several case studies and examples, showing how communication and outside representations of MMA can find connections with the other 'cosmos' of culture, art, society and even of our inner world, reflecting on the special meaning and effective impact of these communication, outreach or citizen science actions.

Presenter: NAPOLANO, Vincenzo (European Gravitational Observatory, EGO)