

11-14 November 2025
Opatija, Croatia



Contribution ID: 37

Type: poster

Einstein Telescope. Projects and Research for the Construction of a Scientific Landscape in Sardinia

The Einstein Telescope project belongs to an unprecedented infrastructural dimension: a system of underground tunnels forming a triangular layout with 10 km-long sides, located about 300 meters below the surface. It is set to redefine not only the paradigms of scientific research, but also the settlement patterns, cultural frameworks, and landscapes of the territories chosen to host this infrastructure in Sardinia.

It is within this complex intersection that the present contribution is situated—an excerpt from an extended research project on scientific infrastructure design, conducted by the Architecture and Territory Laboratory (AT LAB) at the Department of Engineering and Architecture of the University of Cagliari. This laboratory is responsible for the architectural and landscape studies and scientific consulting related to future projects in the area of the former Sos Enattos mine (Lula)—a site identified by the international scientific community as the ideal location and officially nominated by the Italian Ministry of University and Research to host the future Einstein Telescope.

The objectives and theoretical foundations of the research—variously explored in the individual essays included in this work, depending on the disciplinary expertise of each author—have been developed in parallel with the design experience of SUNLab (Sardinian Underground Laboratory): the first building of the future scientific park, envisioned as a research facility equipped with educational and outreach functions aimed at the local communities, and the result of the design work carried out by the authors.

Authors: PUSCEDDU, Fabrizio (Università di Cagliari - Dipartimento di Ingegneria Civile, Ambientale e Architettura); MORO, Marco (Università degli Studi di Cagliari - DICAAR); FAIFERRI, Massimo (Università di Cagliari); MOCCI, Silvia (Università degli Studi di Cagliari); CADONI, Stefano (Università degli Studi di Cagliari DICAAR); MAIS, Stefano (DICAAR, Università degli Studi di Cagliari)

Presenter: MAIS, Stefano (DICAAR, Università degli Studi di Cagliari)

Session Classification: Poster Session

Track Classification: ISB: Infrastructures