CIAUD-UPT RESEARCH CENTRE

PROJECTS

www.ciaud-upt.upt.pt

SOCIO-CULTURAL PRINCIPES SOCIO-CULTURALS PRINCIPI SOCIO-CULTURALI PRINC PRINCIPLES The habitat helps to preserve and transfer inherited 8. TO ENHANCE CREATIVITY The habitat encourages the provision of innovative solutions



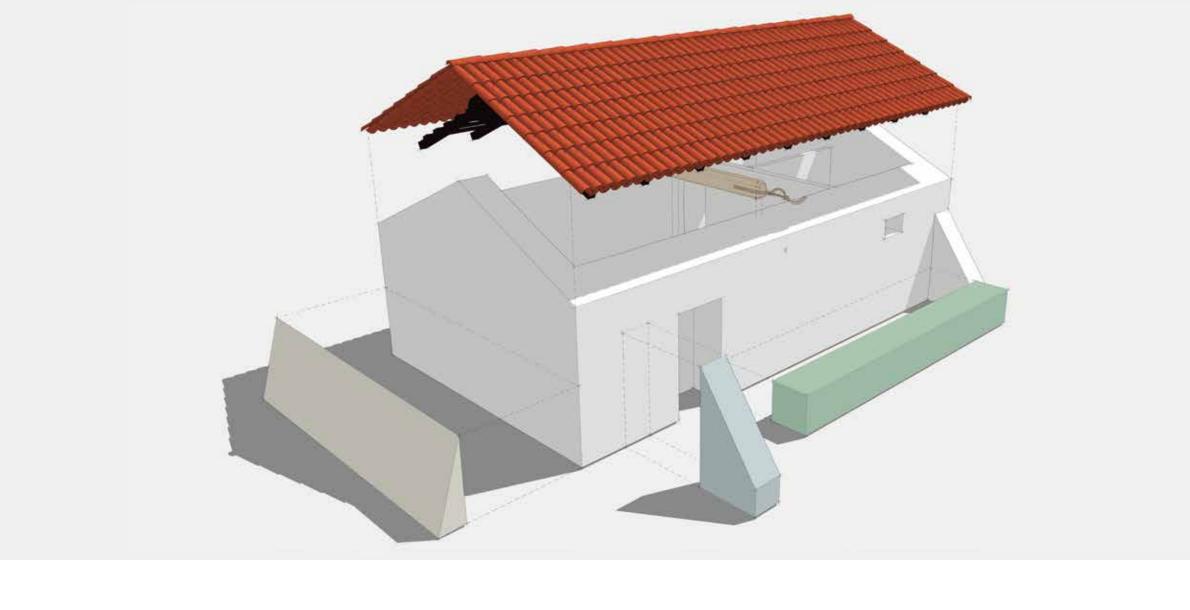




SEISMIC-V

Local Seismic Culture in Portugal

This project researches the seismic-retrofitting architectural elements that can be identified in the in-use vernacular heritage. The project is a useful tool for understanding and applying traditional techniques, without damaging their identity, in accordance with current safety parameters. The research contributed to the awareness and protection of the local seismic culture. The results of the project provided data for the seismic-resistant reinforcement of the architectural components of the vernacular heritage in use, which could save lives in the event of an earthquake.





VERSUS

LESSONS FROM VERNACULAR HERITAGE IN SUSTAINABLE ARCHITECTURE

The project was based on vernacular architecture as a resource, and its significant potential for defining principles, from the perspective of sustainability, applicable in contemporary architecture. Contrary to the trend in the building industry, in which the methods and strategies of vernacular architecture are devalued, the project demonstrated the relevance of the principles and components integrated into its legacy. The main objective was to generate knowledge from the fundamental lessons and principles of vernacular architecture and to explore new ways of integrating them into sustainable building solutions.



ESG/ Escola Superior Gallaecia now CIAUD-UPT (Portugal) (Project Leader)

PARTNERS

FUNDING

CRAterre-ENSAG (France)

University of Florence (Itália)

University of Cagliari (Italy).

www.esg.pt/versus/

European Program: Cultura 2000

Polytechnic University of Valencia (Spain)

European Research Project



ENVIRONMENTAL PRINCIPES ENVIRONNEMENTAUX PRINCIPIO AMBIENTALI PRINCIPIOS AMBIENTALIS PRINCIPIOS MEDIDAMBIENTALES

The habitat is a result of its integration into natural

3. TO REDUCE POLLUTION AND WASTE MATERIALS
The habitat optimizes resources in order to avoid pollution and

other negative impacts

healthy environment



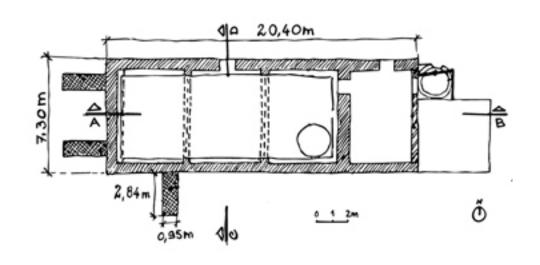


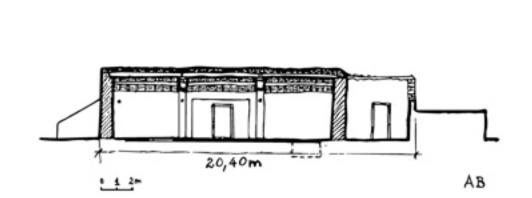
PARTNERS

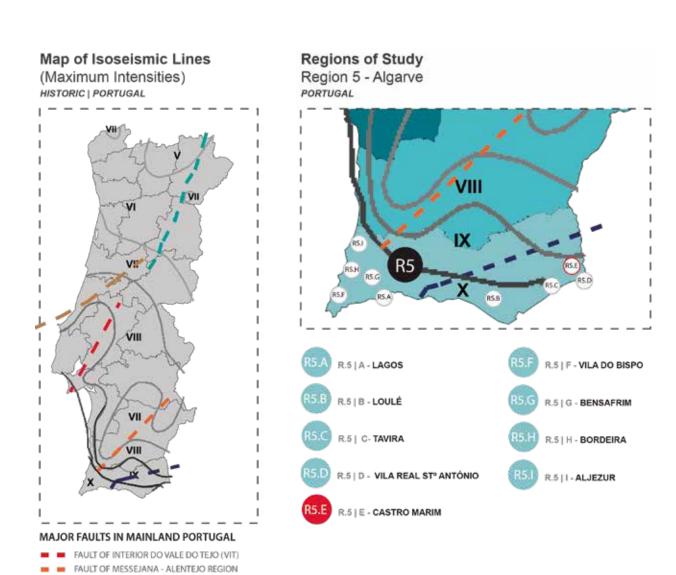
ESG/ Escola Superior Gallaecia - now CIAUD-UPT (Portugal) (Project Leader) University of Aveiro - Department of Engineering (Portugal) University of Minho - Department of Engineering (Portugal)

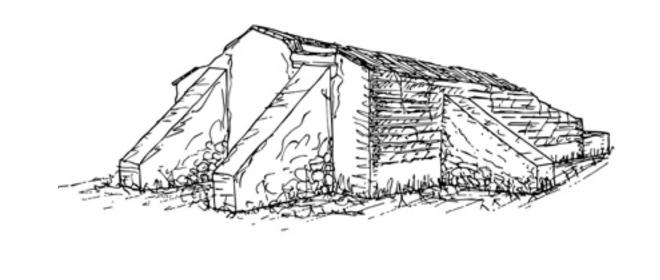
FUNDING

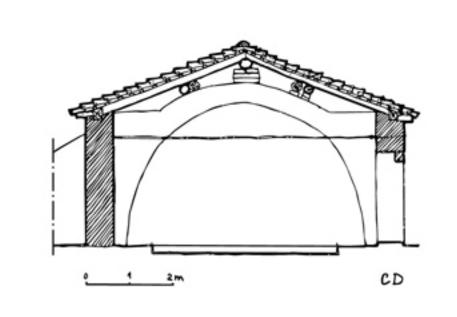
FCT/ Foundation for Science and Technology, 2012

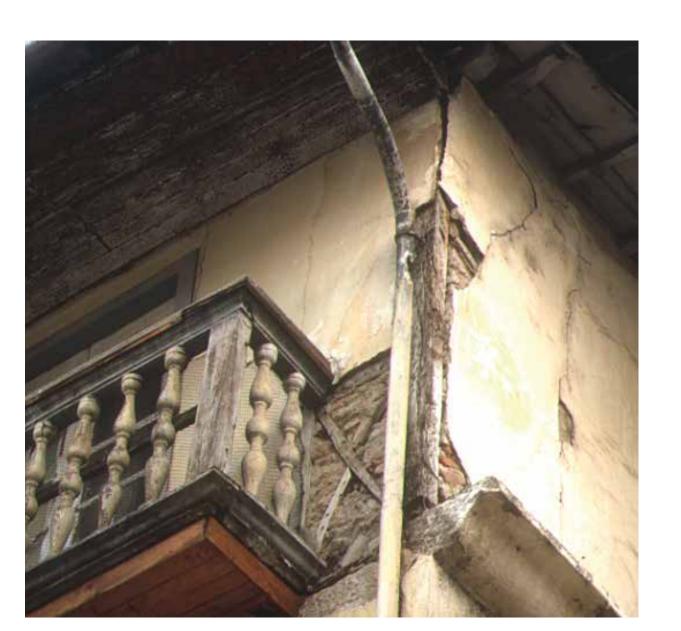


















■ FAULT OF LOULÉ - ALGARVE REGION

m FAULT OF NAZARÉ

FAULT OF VILARIÇA