



Institute for Archaeological and Monumental Heritage  
of the National Research Council  
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The Institute for Archaeological and Monumental Heritage of the National Research Council (IBAM-CNR), having its headquarters in Southern Italy (Catania, Lecce, Potenza, Rome), is an **interdisciplinary scientific centre with high expertise and specialized skills** concerning the study of technologies used for:

- Managing cultural information systems;
- Cataloguing methods for the study of tangible and intangible archaeological heritage;
- Developing embedded laboratories on bio archaeology, archaeometry and communication;
- Using the latest information technologies employed for 3D reconstructions, augmented reality and web dissemination.

IBAM has more than 70 researchers, 18 technical experts and 17 staff people. The long-term aim of IBAM is to **share scientific data and disseminate** in a more effective way the understanding of monuments and archaeological contexts in national and International countries (Peru, China, Turkey,

The **main research activities** of the Institute are focused on 4 macro-areas:

- Settlements, territory, landscapes
- Material Culture and society
- Technologies and tools for the diagnosis and conservation of Cultural Heritage
- Technologies and tools for the understanding and communication of CH

#### Main IBAM Laboratories:

- Ancient Topography, Archaeology and Remote Sensing
- Geophysics and Non-destructive analysis
- Applied Technologies- ITLab
- On-site investigation of built environment
- Simulation of degradation
- Optical, electronic and mineralogical Microscopy

#### Main IBAM Facilities and ICT results

*Equipment for seismic tomography (sonic and ultrasonic); drone Highone 4HSE; phase shift based laser scanner, low-cost microclimate monitoring system.*

<https://www.youtube.com/watch?v=KBy-SRxzRus>

#### IBAM's approach and main projects

The long-term goal of IBAM has been the implementation of a new strategy for international cooperation able to increase research quality and innovation in the field of Cultural Heritage and its related sectors: **tourism, environment and employment**.

Project name	Years	Theme	Funding	Budget
Dicet-Living Lab of Culture and Technology	2012-2015	Smart Cities	Italian Ministry of Education	1,5 Mln €
Innovation in Culture, Tourism and Restoration	2012 -2015	Social Innovation	Italian Ministry of Education	778k €
PRO-CULT	2011	Protection CH	PO-FESR	325k €
Science&Technology Digital Library	2012	Digital Humanities	National Funds	365k €
CIEnTech	2014	Energy Efficiency	PO-FESR	66k €

#### IBAM and the MED Programme

With regards to the MED Programme, IBAM aims at giving its contribution in **modules 1, 2 and 3** with priority to the following axis: **Axis 1, S.O. 1** (innovative clusters and networks), **Axis 3, S.O. 3.1** (sustainable tourism) and **Axis 3, S.O. 3.2** (maintain biodiversity and natural ecosystems).