

CIAUD-UPT

**CIAUD RESEARCH BRANCH at
PORTUCALENSE UNIVERSITY**

Research and Development (R&D) Curriculum
Architecture, Urbanism, & Multimedia

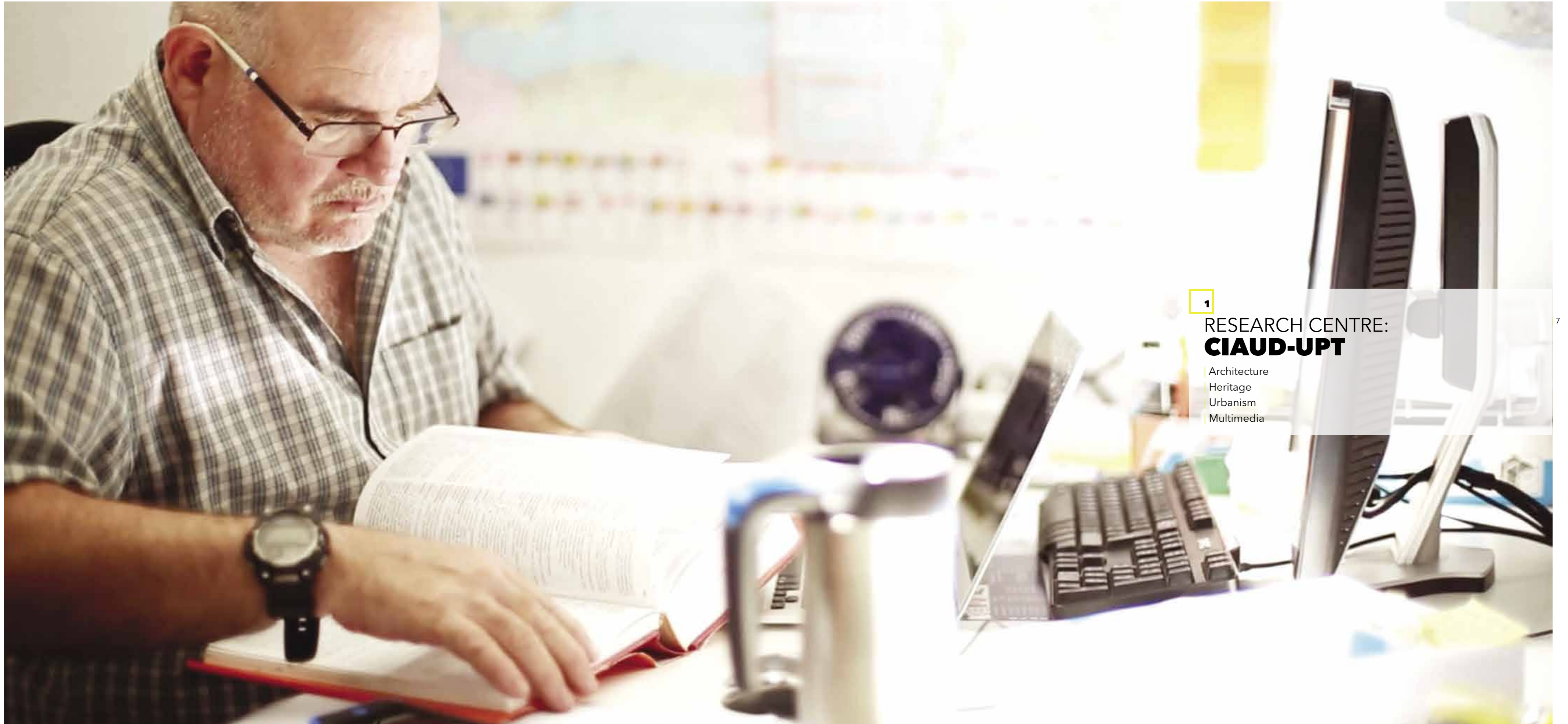
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- | Strategic areas of research
- | European projects
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RESEARCH CENTRE:
CIAUD-UPT

- | Architecture
- | Heritage
- | Urbanism
- | Multimedia

Portucalense University (UPT) hosts a branch of CIAUD - Research Unit for Architecture, Urbanism and Design, from the Faculty of Architecture of the University of Lisbon, as a result of a collaboration protocol between the two institutions, established on 5 December 2022.

This Research Centre adopts the designation of CIAUD-UPT, a branch of CIAUD Research Unit at Portucalense University. CIAUD-UPT is responsible for the scientific research and production of the Department of Architecture and Multimedia Gallaecia (DAMG). The research group of CIAUD-UPT holds the resources and the experience previously assigned to Research Centre at Escola Superior Gallaecia, and has Professor Mariana Correia as Director.

CIAUD is a Research Centre with 354 members (144 integrated members, 131 collaborators, 70 PhD students and 9 grant holders). CIAUD-UPT started its activity with a group of 12 researchers. CIAUD-UPT integrates researchers in the areas of Architecture, Heritage, Urbanism, and Multimedia.

Decisive factors in the success of the creation of CIAUD-UPT were the research activity previously developed in the scope, which regularly won funding, from project bids submitted in competitive programmes, such as FCT, Culture 2000, Creative Europe, InterReg, POCTEP, etc. The high variety of projects was possible due to the high number of submitted annual bids, responding to the growing competitiveness of the group.

CIAUD-UPT develops regularly international and national research projects, consultancy and services for regional institutions and the local community.

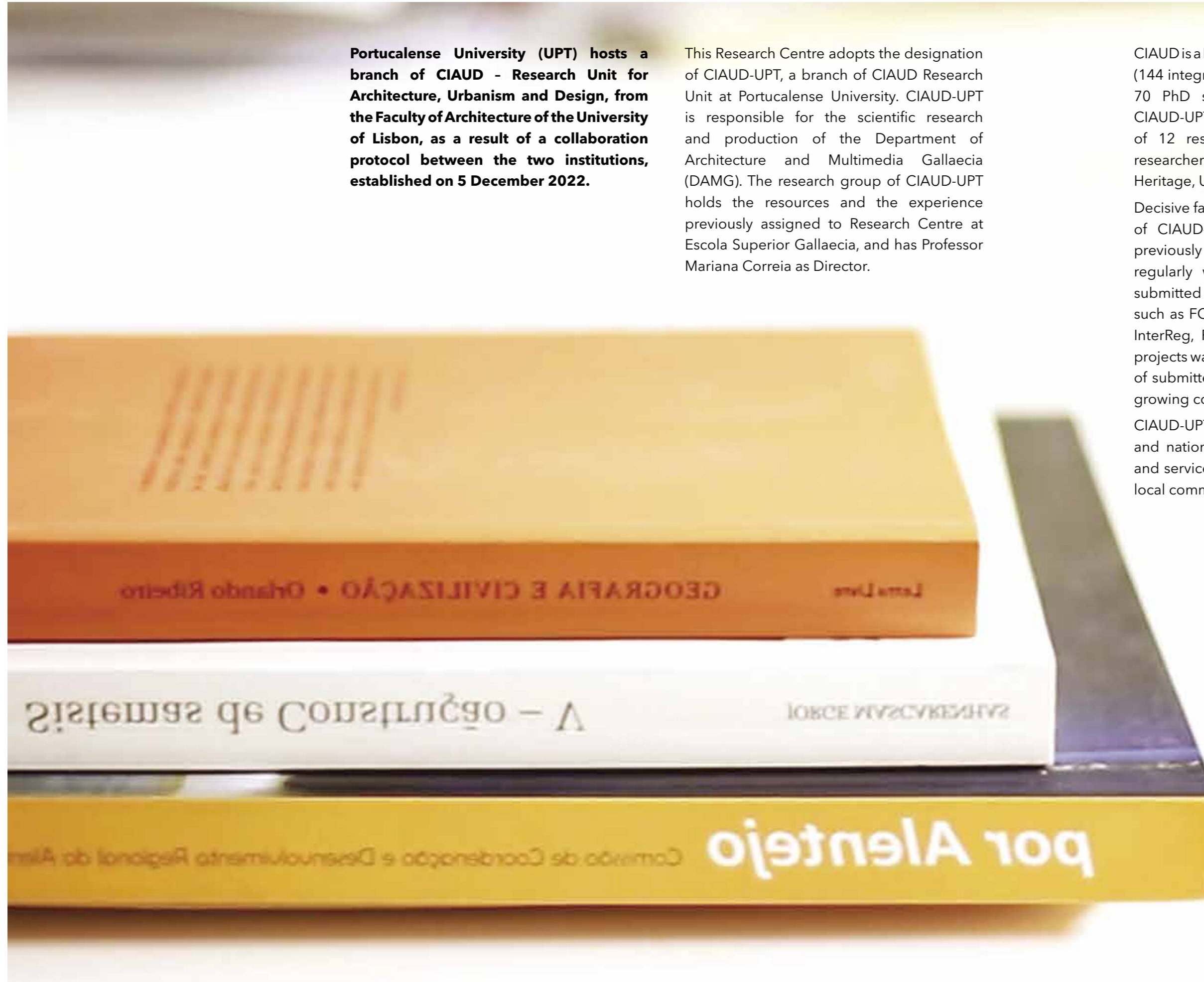
CIAUD-UPT has a relevant research profile, due to the experience of the research team. Since 2004, the team won several international and national funded research projects, as project leader and partner.

As **Project Leader**, the research team successfully won the following scientific projects:

- . One project from Creative Europe: **3DPast - Living & virtual visiting European World Heritage** (<https://esg.pt/3dpast/>) (2016-2020);
- . One project from the Foundation for Science and Technology (FCT): **SEISMIC-V - Vernacular Seismic Culture in Portugal** (www.esg.pt/seismic-v) (2013-2015);
- . One project from the European Culture program: **VERSUS - Lessons from Vernacular Heritage to Sustainable Architecture** (www.esg.pt/versus) (2012-2014);
- . Two projects from POS_C Vale do Minho Digital program: **CATPAP - Catalogue of the architectural and archaeological heritage of the Alto Minho region** (www.esgallaecia.inwebonline.net) (2004-2008);
- . **Online Digital library** (2004-2008).

As **Partner**, the research team won:

- . One project from FCT: **"Siza ATLAS - Filling the Gaps for World Heritage"** (2021-2024);
- . One project from Creative Europe: **"VERSUS+ | Heritage for People"** (2019-2023);
- . One project from TEMPUS program: **"Tempus 3D - Design for the sustainable development of local handicraft production"** (2013-2017);
- . One project from POCTEP/ InterReg IV program: **"NATURA MINHO-MIÑO - Platform of the natural heritage of Minho River"** (2008-2013);
- . Three projects from Culture program: **"Houses and Cities built with Earth"** (2005-2006); **"Terra Incognita I"** (2006-2008); **"Terra (In)cognita II/Terra Europae"** (2009-2011);
- . One project from InterReg III program: **"CADIVAFOR - To catalogue, study and valuing the defensive fortresses of Galicia and the north of Portugal"** border (2006-2008);





STRATEGIC AREA OF RESEARCH: **ARCHITECTURE**

Sustainable and ecological contribution to quality in architecture, the study of habitat and its capacity to prepare and adapt are present focuses of the research, developed at CIAUD-UPT.

This strategic focus of research combines areas related to the Integrated Master on Architecture and Urbanism (5 years). On the last years, several research projects have been awarded competitive funding and have been developed with outstanding results. The different areas of research have been strategically related, promoting common synergies.

The selected research approach has a conceptual alignment with the strategic mission of the Department, as well as with its cultural commitment and pedagogical orientation.

Areas of research:

- | Sustainable Architecture
- | Earthen Architecture
- | Habitat & Resilient architecture



STRATEGIC AREA OF RESEARCH: **HERITAGE**

Heritage analysis, heritage assessment and heritage intervention have been part of the team's study and research experience for the last 20 years, contributing actively for awareness, protection and preservation of cultural heritage, at local, national and international level.

This strategic focus of research combines areas from the entire 8° semester, dedicated to heritage at the Integrated Master on Architecture and Urbanism (5 years). Since 2005, the research team has won competitive funding addressing the study and the protection of heritage.

The selected research approach has a conceptual alignment with the strategic mission of the Department, as well as with its cultural commitment and pedagogical orientation.

Areas of research:

- | Vernacular heritage
- | Cultural heritage
- | World Heritage



STRATEGIC AREA OF RESEARCH: **URBANISM**

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This research strategy addresses the development of cities and regional planning. It comprises a sustainable approach with an integrated perspective, through solutions regarding socio-economic, environmental and governance challenges currently being faced.

The strategic focus of research combines areas across the Integrated Master on Architecture and Urbanism (5 years) and more specifically from its 7th semester dedicated to Urbanism.

The selected research approach has a conceptual alignment with the strategic mission of the Department, as well as with its cultural commitment and pedagogical orientation.

Areas of research:

- | Urban and Regional Studies
- | Urban Design & Resilient Built Environment
- | Collaborative Planning



STRATEGIC AREA OF RESEARCH:
MULTIMEDIA

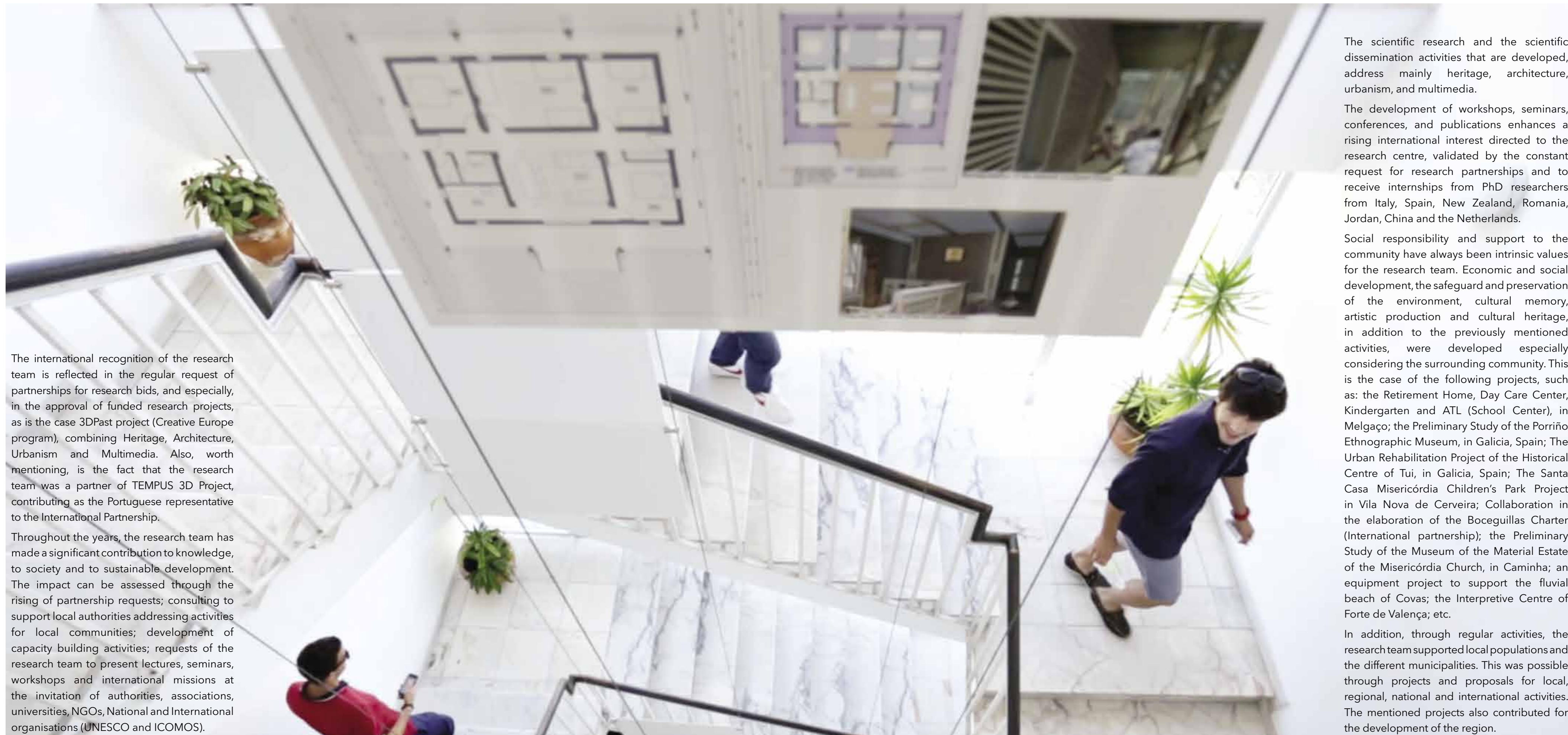
The research area comprises artistic and scientific production based on the interconnection between contemporary art, digital and technological evolution.

This approach is possible through a direct link between the scientific areas / curriculum of the Multimedia and Visual Arts degree. CIAUD-UPT combines artistic practice with scientific research in a transdisciplinary approach, with a focus on digital / technological (re)materialization, as well as the aesthetics resulting from it.

The selected research approach has a conceptual alignment with the strategic mission of the Department, as well as with its cultural commitment and pedagogical orientation.

Areas of research:

- | Media Arts
- | Digital Art
- | New Media



The international recognition of the research team is reflected in the regular request of partnerships for research bids, and especially, in the approval of funded research projects, as is the case 3DPast project (Creative Europe program), combining Heritage, Architecture, Urbanism and Multimedia. Also, worth mentioning, is the fact that the research team was a partner of TEMPUS 3D Project, contributing as the Portuguese representative to the International Partnership.

Throughout the years, the research team has made a significant contribution to knowledge, to society and to sustainable development. The impact can be assessed through the rising of partnership requests; consulting to support local authorities addressing activities for local communities; development of capacity building activities; requests of the research team to present lectures, seminars, workshops and international missions at the invitation of authorities, associations, universities, NGOs, National and International organisations (UNESCO and ICOMOS).

The scientific research and the scientific dissemination activities that are developed, address mainly heritage, architecture, urbanism, and multimedia.

The development of workshops, seminars, conferences, and publications enhances a rising international interest directed to the research centre, validated by the constant request for research partnerships and to receive internships from PhD researchers from Italy, Spain, New Zealand, Romania, Jordan, China and the Netherlands.

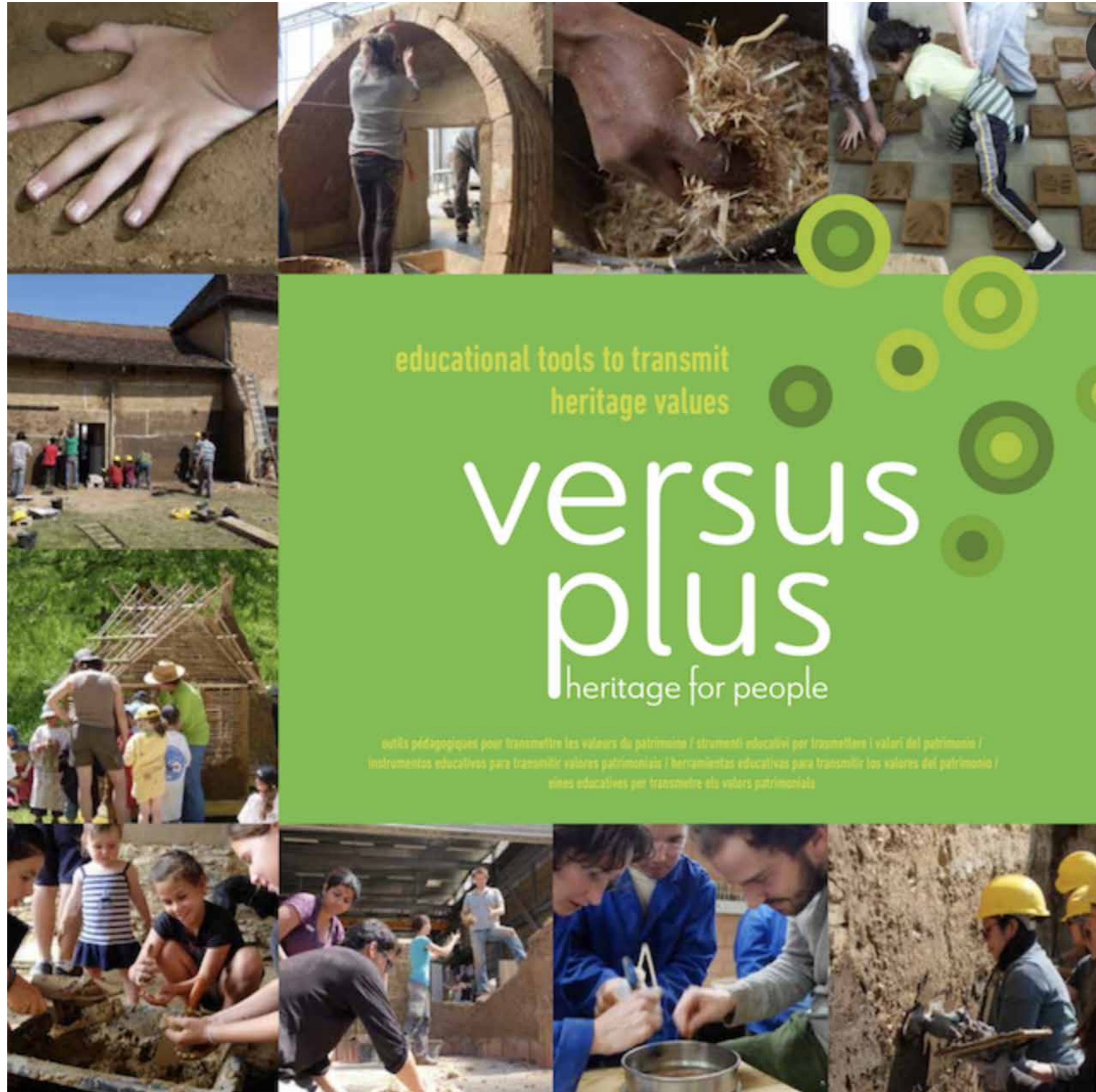
Social responsibility and support to the community have always been intrinsic values for the research team. Economic and social development, the safeguard and preservation of the environment, cultural memory, artistic production and cultural heritage, in addition to the previously mentioned activities, were developed especially considering the surrounding community. This is the case of the following projects, such as: the Retirement Home, Day Care Center, Kindergarten and ATL (School Center), in Melgaço; the Preliminary Study of the Porriño Ethnographic Museum, in Galicia, Spain; The Urban Rehabilitation Project of the Historical Centre of Tui, in Galicia, Spain; The Santa Casa Misericórdia Children's Park Project in Vila Nova de Cerveira; Collaboration in the elaboration of the Boceguillas Charter (International partnership); the Preliminary Study of the Museum of the Material Estate of the Misericórdia Church, in Caminha; an equipment project to support the fluvial beach of Covas; the Interpretive Centre of Forte de Valença; etc.

In addition, through regular activities, the research team supported local populations and the different municipalities. This was possible through projects and proposals for local, regional, national and international activities. The mentioned projects also contributed for the development of the region.

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EUROPEAN PROJECTS:

- | VERSUS+
- | Heritage for People
- | 3DPast
- | Tempus 3D
- | VerSus
- | Terra (In)Cognita II
- | Terra Incognita
- | H&C Built With Earth



educational tools to transmit
heritage values

versus plus

heritage for people

outils pédagogiques pour transmettre les valeurs du patrimoine / strumenti educativi per trasmettere i valori del patrimonio /
instrumentos educativos para transmitir valores patrimoniais / herramientas educativas para transmitir los valores del patrimonio /
vines educatives per transmetre els valors patrimonials

VERSUS+ Project focuses on the transmission of vernacular heritage knowledge to the different branches of society and the general public, in order to build awareness in all the sectors of society. This constitutes the basis for the conservation of the material and immaterial heritage, as well as for a more sustainable architecture for the future.

VERSUS+
Heritage for People

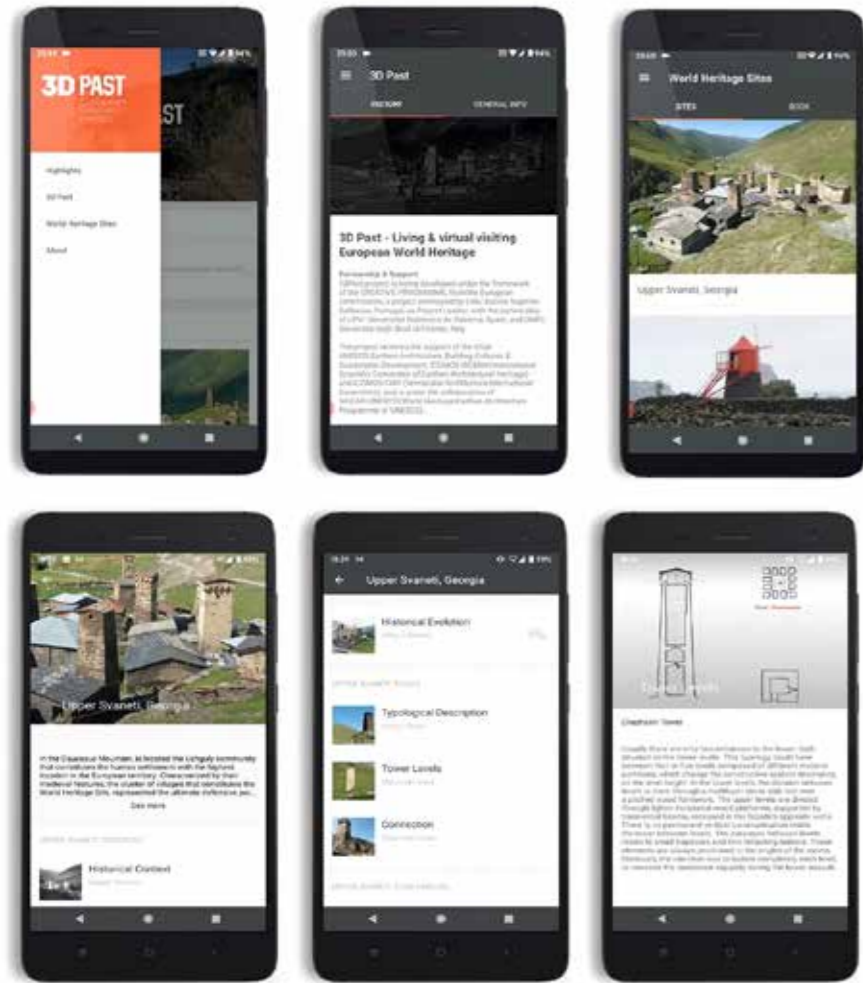
PROJECT-LEADER:
Valencia Polytechnic University, UPV (Spain)

PARTNERS:
Portugalense University, UPT (Portugal)
University of Florence, UniFi (Italy)
University of Cagliari, UniCa (Italy)
CRAterre Association (France)

FRAMEWORK:
Creative Europe with funding from the European Commission

DURATION:
2019-2023

versus-people.webs.upv.es/



3D PAST

3dPast: Living and Virtual Visiting European World Heritage

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3DPast articulates the dimensions of Architecture, Heritage, Urbanism & Multimedia, in European vernacular architecture sites, classified as World Heritage. The project integrates researchers, teachers and students from European universities, who will perform missions and workshops in 8 European countries: Albania, Georgia, Finland, Romania, Greece, Italy, Spain and Portugal (Azores), in order to enhance its exceptional and outstanding universal value.

RESULTS:

16 Missions to European Heritage sites; publication of scientific book; publication of a graphic booklet; international conference on World Heritage; 8 scientific workshops and practices in European universities; an App; a Platform among other outputs.

PROJECT LEADER:

Escola Superior Gallaecia/ Ci-ESG (Portugal)

PARTNERS:

University of Florence (Italy)
Valencia Polytechnic University (Spain)

SCOPE:

Creative Europe Program

DURATION:

2016-2020

esg.pt/3dpast



ATELIER DE CERÂMICA (COORD. ESG)
ISBAS, SOUSSE, TUNISIA



TEMPUS 3D
Tempus 3D: *Design for the Local
Production of Sustainable Craftsmanship*



DESIGN STRATEGIE
ESSTED, TUNES, TUNISIA



ARTESÃO LOCAL
SOUSSE, TUNISIA

The European project Tempus 3D, was approved for funding under the Tempus 2013 Program. The project has the partnership of 4 European universities and 3 Tunisian universities.

The European Tempus Program aims to promote the update of higher education, aiming to develop Master courses in one of the priority areas in higher education in Tunisia: Humanities and Arts - Design. This master degree focuses on sustainable development for craft production, developing a craft production system, to train artists and designers among the three partner universities in Tunisia. The project aims to innovate the development of the project and its production, contributing to their implementation at the market level.

RESULTS:

Development of formal university education Masters in Tunisia, 1 publication, Missions to 4 countries, 4 international seminars.

PROJECT-LEADER:
University of Florence, UNIFI (Italy)

PARTNERS:
Polytechnic of Turin (Italy)
Universitat de Barcelona (Spain)
Escola Superior Gallaecia/ Ci-ESG (Portugal)
Tunisian University of Manouba
Ecole Supérieure des Sciences et des Technologies du Design (ESSTED, Tunisia)
Université de Sousse - Institut Supérieur des Beaux Arts (ISBAS, Tunisia)
Université de Kairouan - Institut Supérieur des Arts et Métiers (ISAM - Kasserine, Tunisia)

SCOPE:
European Program Tempus

DURATION:
2013-2017

masterdesign3d.eu/en/



VERSUS

**Vernacular Heritage Sustainable Architecture
European Research Project**

VERSUS project is based on the fact that vernacular architecture represents a resource with significant potential to define sustainable principles that can be achieved in contemporary architecture. The project enhances vernacular architecture knowledge, its methods and strategies and demonstrates the relevancy of the principles and components integrated in its legacy.

The main project objective is to provide knowledge regarding fundamental key-principles of vernacular architecture and to explore new ways of integrating them into current sustainable building solutions.

RESULTS:

2 International Conferences (CIAV2013 and VERSUS 2014); 3 International indexed publications; 5 scientific workshops in 5 university institutions; free downloadable Booklet and VERSUS publication; International competition for university students; online and physical exhibition of the winning projects of the contest; traveling exhibition; scientific missions in Europe; development of an operational method of teaching to be applied in higher education.

VERSUS

VERSUS: Lessons from Vernacular Heritage to Sustainable Architecture

PROJECT-LEADER:

Escola Superior Gallaecia/ Ci-ESG (Portugal)

PARTNERS:

CRATERRE-ENSAG (France)
 Università degli Studi di Firenze (Italy)
 Universitat Politècnica de València (Spain)
 Università degli Studi di Cagliari (Italy)

SCOPE:

European Programme Cultura 2000 - Bando 2011

DURATION:

2012-2014

esg.pt/versus/



TERRA (IN)CÓGNITA II

Terra Europae. *Earthen architecture in the European Union*

31

The Terra Incógnita II project (subsequent project to Terra Incógnita) is based on scientific missions to the 27 countries of the European Union.

The project consisted in defining the state-of-the-art of European earthen architecture in terms of heritage and contemporary architecture; restoration and training; education and scientific research; professionals and producers, etc. The intention was to produce a rigorous cartography of earthen architecture in the 27 countries (part of the European Union then), as well as the recognition of key-specialists, to integrate an operational network of European experts.

RESULTS:

Scientific missions to the 27 European countries; creation of an operational network of specialists; development of an atlas of traditional European heritage; "Terra Europae" publication about earthen heritage in each European Union country (the only reference publication in the area, at European level); publication of the book "Terre en vues"; website with contacts and information from each country; European Symposium held in Marseille; traveling exhibition regarding the state-of-the-art of earthen architecture in Europe; photographic exhibition in different countries, website with database.

PARTNERS:

École d'Avignon (France)
 Università de Firenze (Italy)
 Universitat Politècnica de València (Spain)
 Escola Superior Gallaecia/ Ci-ESG (Portugal)
 CAUE (France)

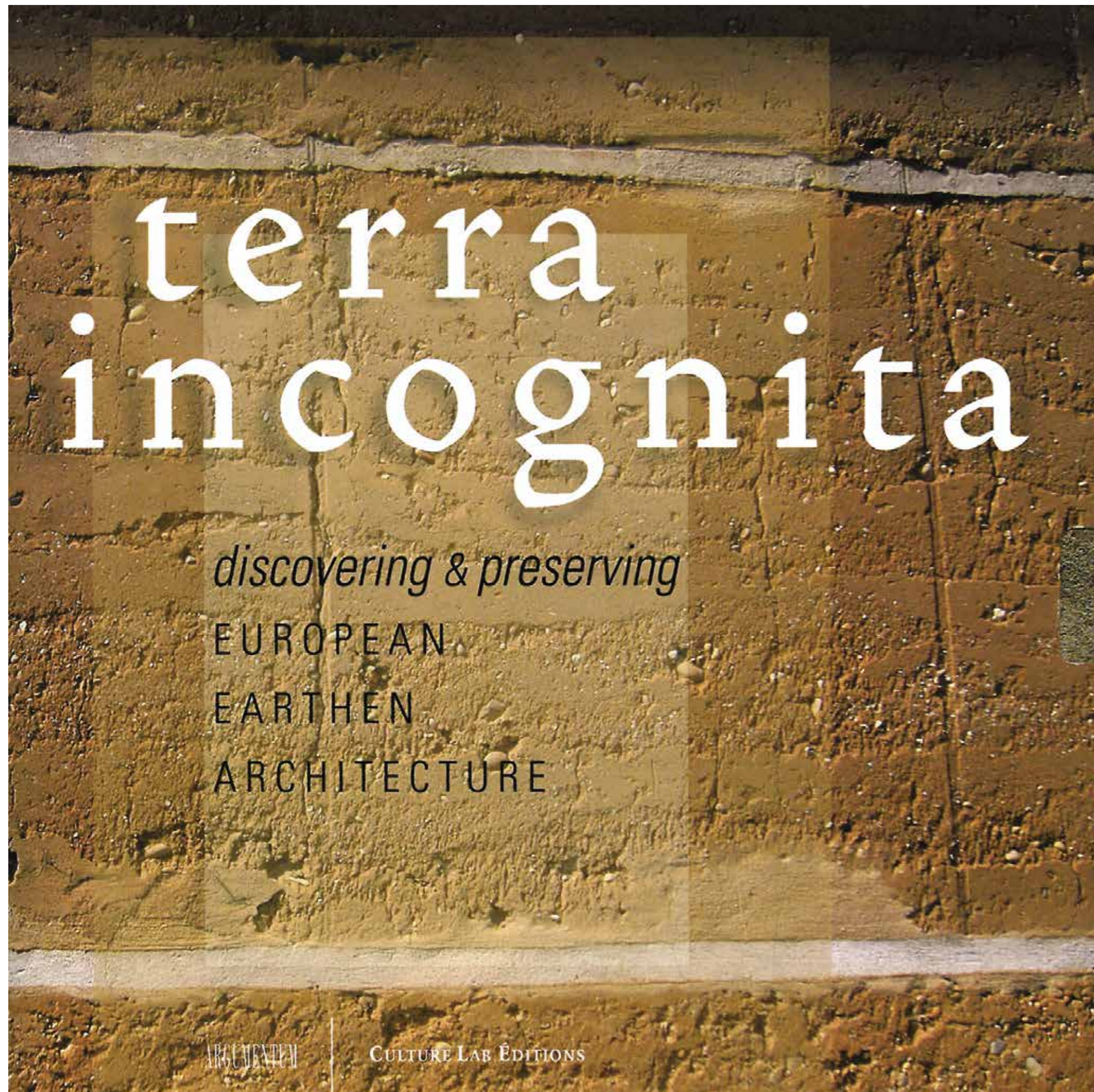
SCOPE:

European Programme: Culture 2007

DURATION:

2008-2010

culture-terra-incognita.org



TERRA INCÓGNITA
European Earthen Architecture

33

The project was developed between 2006-2007 through the elaboration of the state-of-the-art of earthen architecture in Italy, France, Spain and Portugal, with respect to their heritage, contemporaneity, education, training and research.

RESULTS:

2 books in French and English: Terra incognita - Discovering (n°1) & Preserving (n°2).

PARTNERS:

École d'Avignon (France)
CRATerre-École Nationale Supérieure d'Architecture de Grenoble (France)
Università de Firenze (Italy)
Universitat Politècnica de València (Spain)
Escola Superior Gallaecia/ Ci-ESG (Portugal)

SCOPE:

European Programme: Culture 2007

DURATION:

2006-2007

esg.pt/ciesg/projeto-terra-incognita/



The project "Houses and Cities Built with Earth" had as its fundamental objective, the training of local technicians in conservation of earthen architecture. This was possible through the participation of experts, in intensive courses developed in Portugal, Spain, Italy and Morocco.

Part of the project results were formalized through the publication: Achenza, Correia, Cadinu and Serra (Eds.)(2006): Houses and Cities Built with Earth: conservation, significance and urban quality. Lisbon: Argumentum.

RESULTS:

5 missions; 5 workshops; 1 publication.



H&C BUILT WITH EARTH

Houses and Cities Built with Earth

PARTNERS:

Università di Cagliari (Italy)
Escola Superior Gallaecia/ Ci-ESG (Portugal)
Universitat de València - Depart. History (Spain)

SCOPE:

European Programme: Culture 2000

DURAÇÃO:

2005-2006

esg.pt/ciesg/hc-built-with-earth/

3

IBERIAN PROJECTS:

| Natura Minho-Miño

| Cadivafor

The project was founded on the creation of an inter-disciplinary and inter-institutional platform, based on georeferenced support of the natural resources of the Rio Minho river basin.

RESULTS:

The creation and dissemination of the database contributed to the enhancement of knowledge, basin conservation, value and promotion of the natural heritage of the region.



505. Canal do Coura

Vila Nova de Cerveira

lat. 41° 52' 23,450" N long. 8° 41' 53,391" W

NATURA MINHO-MIÑO

Natura Minho-Miño:2009-2014

PROJECT LEADER:

Regional Government of Galicia - Ministry of the Environment and Sustainable Development (Spain)

PARTNERS:

CIMAR - Interdisciplinary Center for Marine and Environmental Research (Portugal)
Escola Superior Gallaecia/ Ci-ESG (Portugal)
Municipality of Vila Nova de Cerveira (Portugal)
FEUP - Faculty of Engineering of the University of Porto (Portugal)
Institute of Nature, Conservation and Biodiversity (Portugal)

SCOPE:

FEDER - POCTEP 2008

DURATION:

2009-2014

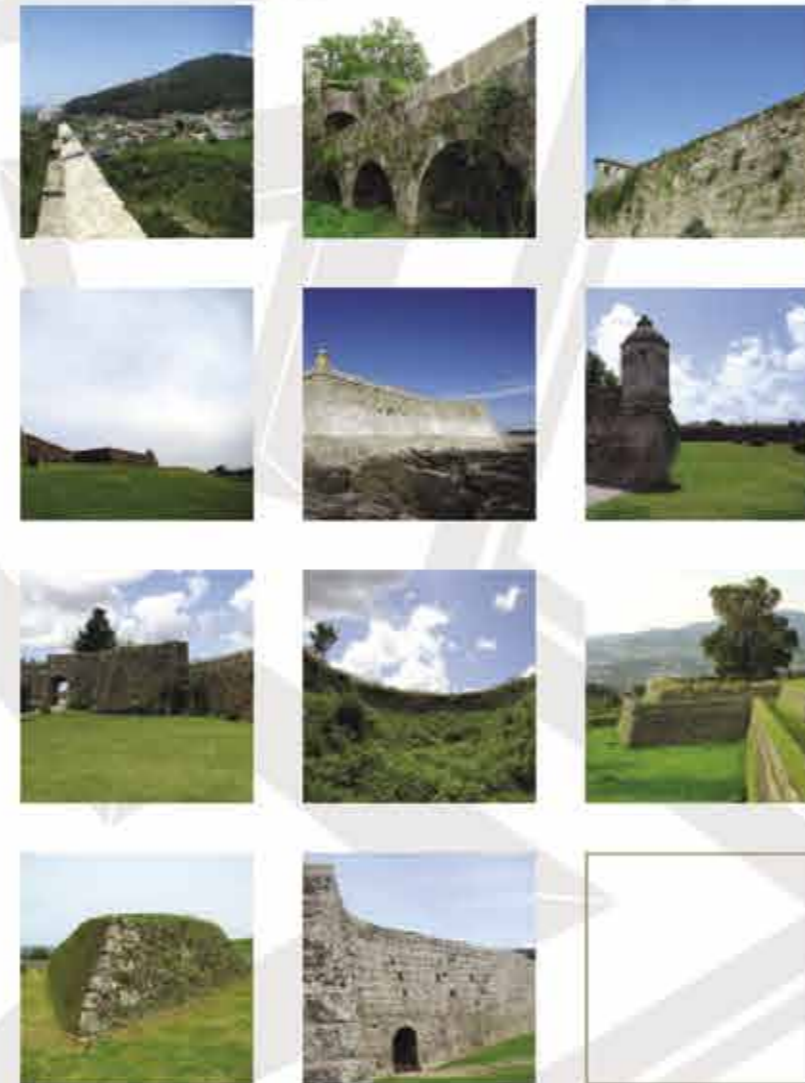
The project consisted on the creation and analysis of a cross-border database regarding the fortifications erected during the XVII century Restoration War.

RESULTS:

Missions to different fortresses; identification of fortress systems; platform with database; traveling exhibitions: CADIVAFOR book.

Catalogación, Divulgación y Valoración de las
**Fortalezas Defensivas de la Frontera Galicia
Norte de Portugal**
CADIVAFOR

Catálogo, Divulgação e Valorização das
**Fortalezas Defensivas da Fronteira Galiza
Norte de Portugal**
CADIVAFOR



Iniciativa Comunitaria
INTERREG IIIA SPI E172 / 03
Programa España - Portugal
Subprograma Galicia / Norte de Portugal



Iniciativa Comunitaria
INTERREG IIIA SPI E172 / 03
Programa España - Portugal
Subprograma Galiza / Norte de Portugal



CADIVAFOR

CADIVAFOR

Cataloging, Documentating and Valuing of the Defensive Forts located on the Border of Galicia and Northern Portugal.

PROJECT LEADER:

CIS Galicia - Technology and Design (Spain)

PARTNERS:

Ferrol Council: CIEFAL-ICOMOS (Spain)
Escola Superior Gallaecia/ Ci-ESG (Portugal)

SCOPE:

InterReg IIIA Project: Galicia - Northern Portugal

DURATION:

2005-2008

cieform.org

4

NATIONAL PROJECTS:

| Siza Atlas
| SEISMIC V
| CATPAP



SIZAATLAS

Filling the Gaps for World Heritage

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SizaATLAS will develop an inventory of the built works of Siza, with analysis and documentation of the buildings selected for World heritage nomination. The research, the definition of World Heritage attributes and criteria, authenticity and integrity, national protection and management, as well as their comparative analysis, will contribute to the justification of the Outstanding Universal Value (OUV), which underpins the nomination for World Heritage.

RESULTS:

Direct contribution to the World Heritage nomination of Alvaro Siza's works, a website with his extensive work, two conferences, two books, several booklets, a special issue, several published indexed articles.

SUPPORTING ENTITIES:

Supporting Entities
ICOMOS-Portugal
ICOMOS-Germany
ICOMOS-Spain
ICOMOS-China
Comissão Nacional da UNESCO
Delft University of Technology, TUDelft (The Netherlands)
Carleton University (Canada)
Università degli Studi di Napoli Federico II, DIARC (Italy)
Universidade Federal da Bahia, UFBA (Brazil)
Fondation Le Corbusier, France

PROJECT-LEADER:

University Institute of Lisbon, ISCTE (Portugal)

PARTNERS:

Faculty of Architecture - University of Porto, FAUP (Portugal)
Portucalense University, UPT (Portugal)

SCOPE:

FCT programme - Integrated and multidisciplinary research programme about the work of Álvaro Siza Vieira in its multiple aspects and disciplinary areas.

DURATION:

2021-2024

istar.iscte-iul.pt/sizaatlas/

Cultura sísmica local em Portugal

Local seismic culture in Portugal

Mariana Correia | Gilberto Carlos (eds)

SEISMIC V

Earthquake-Resistant Vernacular Culture in Portugal

PROJECT-LEADER:

Escola Superior Gallaecia/ Ci-ESG (Portugal)

PARTNERS:

UA/ University of Aveiro - Engineering Department
UM/ University of Minho - Engineering Department

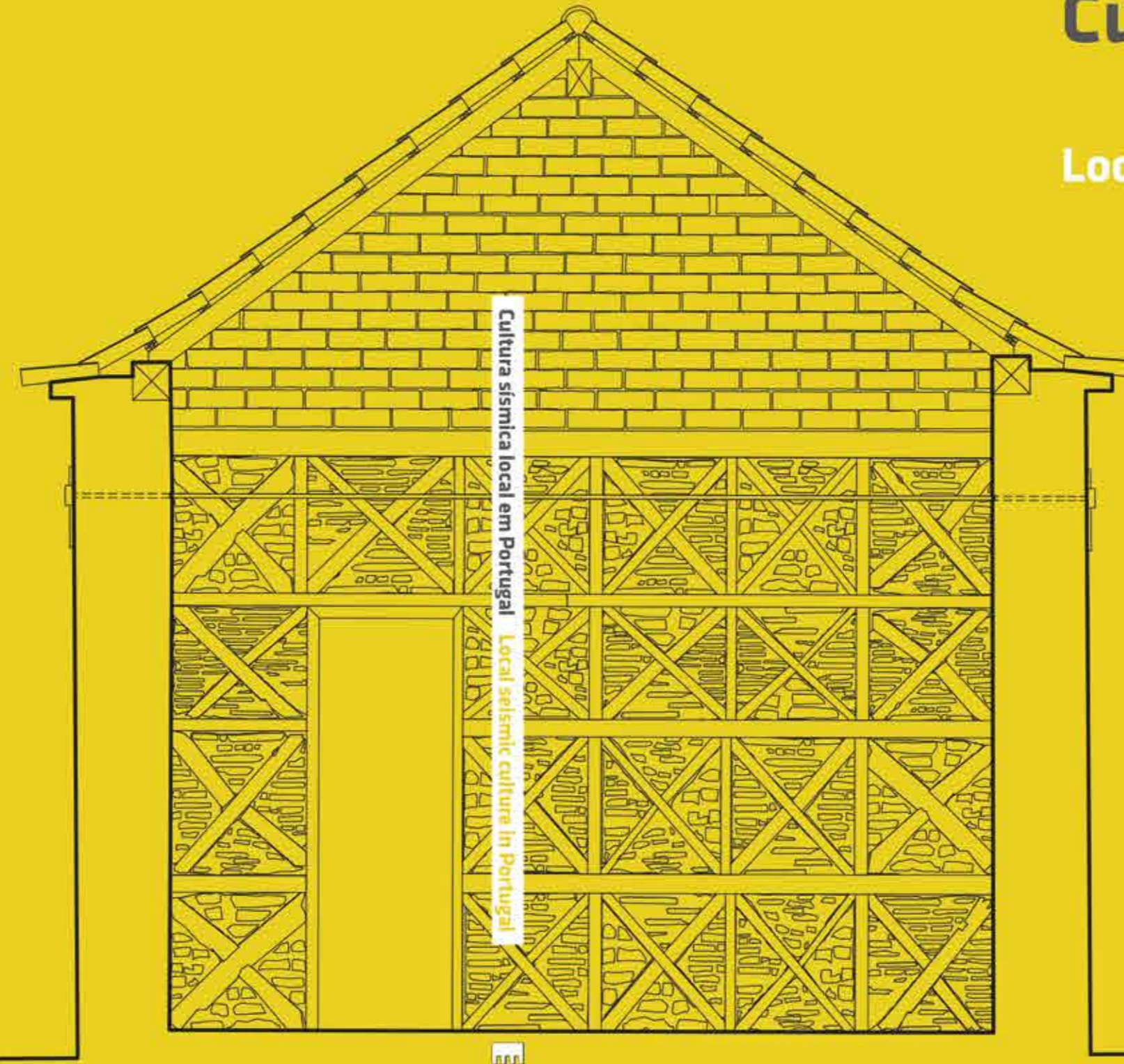
SCOPE:

All scientific domains 2012: Environment, Territory and Population - Architecture, FCT Program

DURATION:

2013-2015

esg.pt/seismic-v



The SEISMIC-V Project focused on the identification of earthquake-resistant elements, which can be tracked through vernacular architecture, still-in-use. SEISMIC-V project also aimed to verify if the concept of 'Local Seismic Culture' is still consistent and active in Portugal.

The project sought to be a useful tool in the understanding and application of traditional techniques, valuing its identity, according to the 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 reinforcement of the architectural components of the vernacular heritage still in use, which in case of an earthquake could save lives.

RESULTS:

1 International Conference - CIAV2013 (<https://esg.pt/ciav2013>); 2 International indexed publications [distributed to all Portuguese architecture and engineering universities (state and private), Portuguese municipalities, and universities from more than 50 countries on 5 continents]; 1 graphic manual of reinforcement and prevention (distributed to 309 Portuguese municipalities); and 3 scientific seminars. (<https://esg.pt/seismic-v>).

COMMENTS:

The President of the FCT, stated at an APESP public conference, that Escola Superior Gallaecia-FCO had been the only private university in Portugal that year, with approved funding for research. The final evaluation of the project by FCT was Excellent.



The project consisted on the elaboration of an integrated study of the architectural, archaeological and landscape heritage of the Minho Valley.

The existing heritage was catalogued through a database, developed with the 'In Domus' program, divided into four general themes: Military Architecture, Religious Architecture, Vernacular Architecture and Archaeological Heritage.

RESULTS:

A platform with a relevant database that also includes touristic heritage routes. (<http://esgallaecia.inwebonline.net>)

CATPAP

*Catalogue of Architectural Heritage
of the Alto Minho Region*

PARTNERS:

Inter-municipal Community of the Minho Valley (Portugal)
Escola Superior Gallaecia / Ci-ESG (Portugal)

SCOPE:

InterReg IIIA Project, POS_C Vale do Minho Digital

DURATION:

2006-2008

esgallaecia.inwebonline.net

5

NATIONAL AND INTERNATIONAL COLLABORATION

- | Worldwide
- | Ibero-American
- | European
- | Mediterranean
- | African
- | Iberian
- | National

CIAUD-UPT scientific activities are the result of the partnerships with national and international institutions.

The coordination and participation in international projects of vernacular heritage, seismic retrofitting, military heritage, world heritage, etc., but also increasing international cooperation with other institutions have contributed to the definition of more strategic aims regarding the establishment of working partnerships, with greater contribution to teaching, promotion of knowledge, and to the a relevant impact on communities.



WORLDWIDE

In this context, partnerships were developed at:

- (i) The UNESCO Chair 'Earthen Architecture, Building Cultures, and Sustainable Development' promotes the development of projects, publications and the organisation of events within the framework of earthen architecture, of building cultures, and sustainable development. UPT is the Portuguese Chair holder of this UNESCO Chair.
- (ii) Establishment of a network addressing seismic vulnerability, among 30 countries from different continents. Identified and valued seismic retrofitting knowledge, through the establishment of a network of contacts in the main seismic regions.
This was addressed in response to the SEISMIC-V project, which resulted, among others, in the international publication: Correia, M., Lourenço, P.B., & Varum, H. (eds) (2015). Seismic Retrofitting: Learning from Vernacular Architecture. London (UK): CRC Press / Balkema / Taylor & Francis Group.
- (iii) Development of international cooperation through VERNADOC courses, among entities associated with ICOMOS-CIAV. This enabled international training of students and graduates, concerning vernacular architecture documentation.



HISTÓRICO



PROTERRA surgiu como um Projecto de Investigação temporal de quatro anos do Programa Ibero-americano de Ciência e Tecnologia para o Desenvolvimento - CYTED em Outubro de 2001, com o objectivo de incentivar o uso da terra como material de construção através da realização de projectos demonstrativos, publicações, cursos e outros eventos. PROTERRA iniciou com a participação de sete representantes de instituições de sete diferentes países. Logo, instituições e outras pessoas com experiência reconhecida solicitaram sua integração a PROTERRA, assim como estudantes de graduação e pós-graduação e outros profissionais interessados no tema. O projecto de investigação PROTERRA realizou várias publicações, diversos eventos e agregou mais de cem especialistas em arquitectura e construção com terra provenientes de Portugal, Espanha

e demais países latino americanos. Entre as actividades do PROTERRA podem-se destacar:

- Os SIACOTs (Seminário Ibero-americano de Construção com Terra);
- Outros seminários, cursos, oficinas e projectos demonstrativos;
- Exposição itinerante de painéis com informações e exemplos da arquitectura e construção com terra;
- Publicações impressas e digitais.

Em Fevereiro de 2006, quando finalizou o projecto de investigação PROTERRA do CYTED, criou-se a Rede Ibero-americana PROTERRA com quase todos os membros do extinto PROTERRA, além de outros interessados, até mesmo fora do limite espacial ibero-americano, com o objectivo e linhas de acção semelhantes aos do projecto de investigação PROTERRA.



. The research group Ci-ESG and now CIAUD-UPT was one of the first that joined as PROTERRA, Iberian-American Network on earthen architecture and construction;

. Invited as partner in several CYTED projects applications (ALFA III, BREATH, CYTED-LIFE CYCLE, etc);

. Contribution to the publication of the book "Earthen Architecture in Latin America" (with the participation of 19 Latin-American countries).

Outstanding Earthen Architecture in Europe Award 2011



EUROPEAN

- . 2017 ADDIPA European Award for Architecture in Europe (cat. D);
- . VERSUS+ | Heritage for Tomorrow;
- . 3DPast project concerning World Heritage in Europe;
(esg.pt/3dpast)
- . VerSus project and network;
(esg.pt/versus/)
- . Terra Incognita I and II, and development of a European network of experts;
(culture-terra-incognita.org)



MEDITERRANEAN

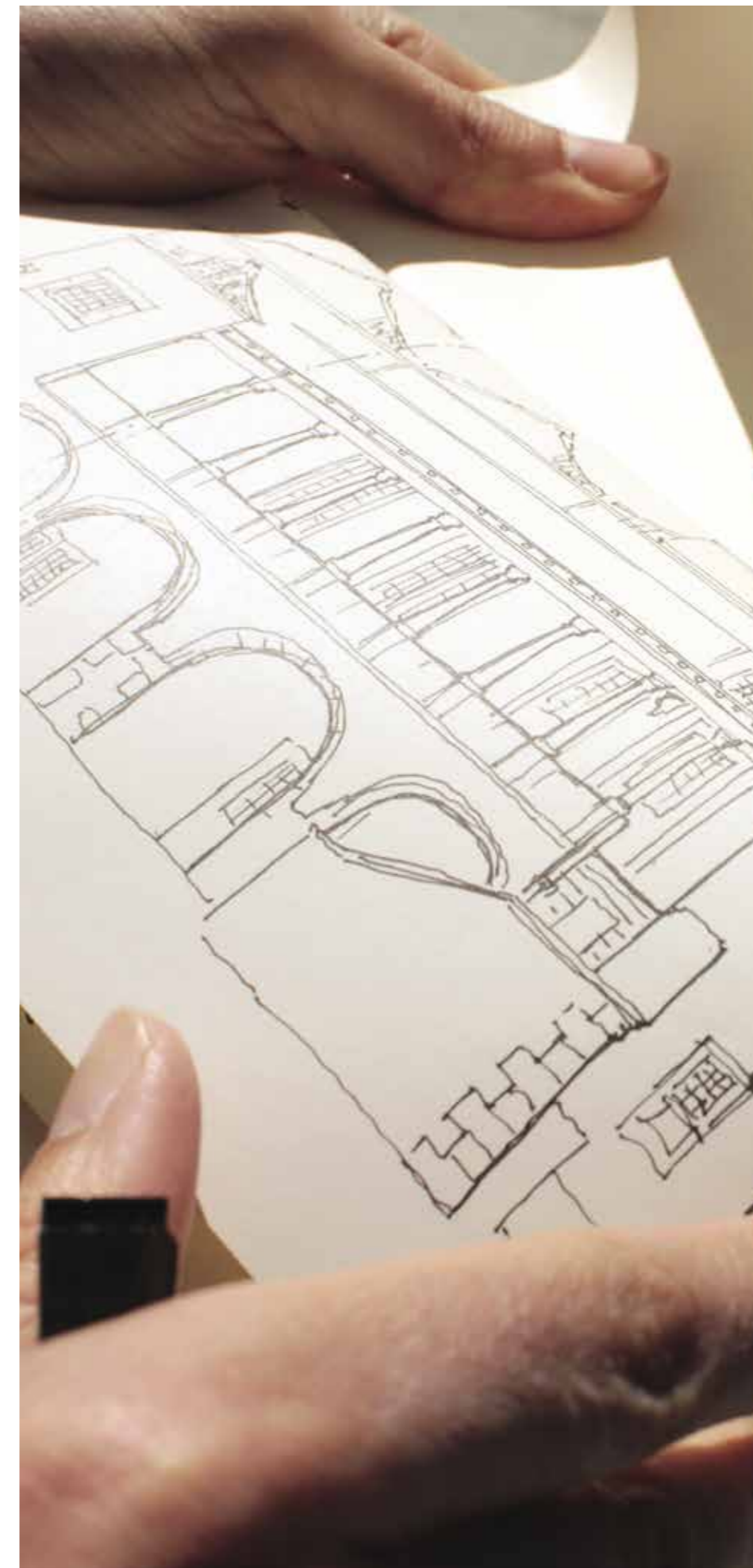
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- . Project: "Houses and Cities Built of Earth" developed in Italy, Spain, Portugal and Morocco;
- . Organization of the conference MEDITERRA (Conference on Earthen Architecture in the Mediterranean region); Mediterra 2009 workshop [co-organization of Escola Superior Gallaecia (Portugal), University of Cagliari (Italy), CRAterre-ENSAG (France), and the Getty Conservation Institute (USA)];
- . Participation in the creation of a PhD in Architecture, Urbanism and Design in the Mediterranean region. PhD coordinated by the University of Fez and the University of Florence;
- . Partnership in the European project Tempus 3D, developing teaching and research in the area of crafts, ceramics and design. The project has the participation of four European Universities and three Tunisian university institutions. The close partnership with two of the universities resulted in the submission of the project "European MP4H Mediterranean Partnership for Traditional Heritage", aiming to create a digital archive in the Mediterranean area at local craftsmanship level.



AFRICA

- . Contribution in projects, workshops, activities developed in different African countries, such as Morocco, Algeria, Tunisia, Mali, Ghana, etc. This network resulted in specific invitations to students and teachers to participate in workshops in Morocco and Algeria.
- . Participation in "Elmina Castle workshop", contributing to multidisciplinary studies on World Heritage along the coast of Ghana. The workshop was developed on the framework of World Wide Universities Network.



IBERIAN

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- . The research group is invited to develop several project iberian bids. It also receives approval for funding of cross-border projects (CADIVAFOR, Natura Miño-Minho).
- . Has been a member since 2012, on the creation of the Iberian Peninsula platform for relevant cross-border military heritage.
- . It organized in Vila Nova de Cerveira, together with INTBAU-Portugal and INTBAU-Spain, the 1st Iberian meeting of INTBAU - International Network for Traditional Building, Architecture and Urbanism. It also collaborated on the organization of Iberian summer courses.

Collaboration at national level with other institutions, namely:

- a) Siza Atlas Projects funded under FCT programme, in partnership with ISCTE - University Institute of Lisbon and FAUP - Faculty of Architecture - University of Porto.
- b) SEISMIC-V Project funded under FCT programme, in partnership with University of Minho and University of Aveiro.
- c) FCT Research applications, in partnership with the University of Minho and Aveiro (SEISMIC-V project); Instituto Superior Técnico and Universidade Nova (E2WALL); University of Minho and Leiria Polytechnic Institute (SAVVAS); University of Porto and University of Lisbon (SHARED METROPOLIS).
- d) Inter-university cooperation for the joint organization accomplishment of international scientific events, in Portugal: with the University of Aveiro, for the 5th ATP - 5th Earthen Architecture Seminar in Portugal; CEAUCP and the University of Coimbra for the 6th ATP. The latter partnership resulted in joint applications for cross-border research projects.

e) Cooperation and provision of services to Portuguese Municipalities:

- (i) Urban Regeneration Competition in Viana do Castelo, in the framework of the 5th year Curricular Unit: 'Heritage-Project', in which students have developed proposals for urban rehabilitation in Viana do Castelo. The competition, promoted by the Municipality of Viana do Castelo, contributed to the reflection of urban intervention in the city.
- (ii) Rehabilitation of Caminha Market, a contest promoted by the Municipality of Caminha;
- (iii) Student participation on the Architecture Triennial Contest, organized by the Municipality of Sines and the Lisbon Triennial of Architecture;
- (iv) Various services addressing requests by regional municipalities.



SERVICES FOR COMMUNITY DEVELOPMENT

The research group develops activities and projects to provide community services, generally framed in bilateral protocols, with an institutional cooperation character. This approach relates to the fundamental key-areas and research areas of the research group. One of the approaches consists of operative consultancy, usually responding to local government requests, on which Municipalities from Minho region (north of Portugal) and Galicia (Northwest of Spain) play a dominant role. Municipal Technicians, request assistance dealing with research issues investigated by the research team. Problems namely, urban rehabilitation, safeguarding of heritage, cultural significance, artistic and multimedia enhancement projects, among others.

Taking into account the cross-border nature, there is a regular interchange between rendering services to the community of Portuguese and Spanish authorities. One of the most recent examples has been the contribution made in the public debate regarding the urban rehabilitation of the historical centre of the Galician city of Tui.

The exhibition and lectures on 'Tui 2020: Contributions to the Evolution

of the City' ("Contribuciones a la Evolución de la Ciudad") reflect on future approaches to architectural intervention, based on a series of academic proposals and Masters dissertations. This initiative was part of the opening of the review process of the Master Plan for the Safeguard of Tui Historic Centre, required by the Municipality of Tui.

It is also worth mentioning the extensive work developed, regarding the survey and heritage characterization, as well as in the development of new architectural equipment for the region of Minho and the Galician Pontevedra Province, namely: informative contents and design of signs for scenic points of interest of Vale do Minho, held for the Intermunicipal Community of Vale do Minho; survey and intervention proposal for the Igreja Matriz da Misericórdia de Valadares, required by the Municipality of Monção to begin its process of Municipal classification; full redevelopment of the exterior spaces for the Kindergarten of the Santa Casa da Misericórdia of Vila Nova de Cerveira; Interpretation Center project for the Intermunicipal Community of Vale do Minho; etc. These are just a few examples of cooperation cases with the and

local communities. Also worthy of mention are the numerous artistic and multimedia projects carried, at the request of local authorities or entities, within the scope of festivals and cultural weeks organized by the District of Viana do Castelo.

Particular relevance should also be given to the work of inventorying the cultural heritage, both in the scope of R&D projects (e.g. CATPAP project for the cataloging of architectural and landscape heritage), or in the scope of researches carried out in Master dissertations. These works, in addition to their pedagogical and scientific relevant content, have as their main objective, to value the local properties, as assets of communities. The high number of research addressing a systematic survey of heritage, contributed for the enhancement of local knowledge, and for a preventive conservation approach to heritage.

This was possible mainly by enhancing community knowledge and tourist awareness (e.g., inventory of tidal mills, fisheries, sawmills, sheds, greenhouses, isolated villages, harbors, lighthouses, etc.). In addition to the identification of relevant typologies with a relevant heritage

value, a set of actions and recommendations for the conservation and protection of the different types of heritage were produced. As a result, the research group organized, developed and promoted a series of events and activities related to documentation registration (VERNADOC 2013 and 2019), rehabilitation (ex: Annual Urban Rehabilitation Days in Viana do Castelo; proposal for the conservation of the Archaeological Site of Castanheira do Vento; etc.) and revalue of constructive cultures (e.g. workshops on traditional building materials and techniques), which are in danger of disappearing.

The support for communities is also evident through cultural and artistic activities such as:

- (i) Research regarding intangible architectural heritage, website, and design of a logo for the parish council of Lovelhe;
- (ii) Development of a mascot for Cerveira Sports Club;
- (iii) Participation in the action plan for the modernization of the 'Rua do Comércio - Inovação nos centros comerciais abertos do Alto Minho';

Innovation developing street approach for shopping in Alto Minho';
(iv) Contribution to the 'III Living Lab - Iris Darga' (in partnership with Univ. Aveiro - Department of Communication, and the Bienal de Cerveira);

(v) Walls of the Misericórdia de Caminha;

(vi) Development of Trophies for Local Competitions;

(vii) Video-Mapping for the location of the new Cerveira-Tomiño bridge;

(viii) Artistic performances for the Beer Festival in Caminha; and for the Food Festival in Cerveira;

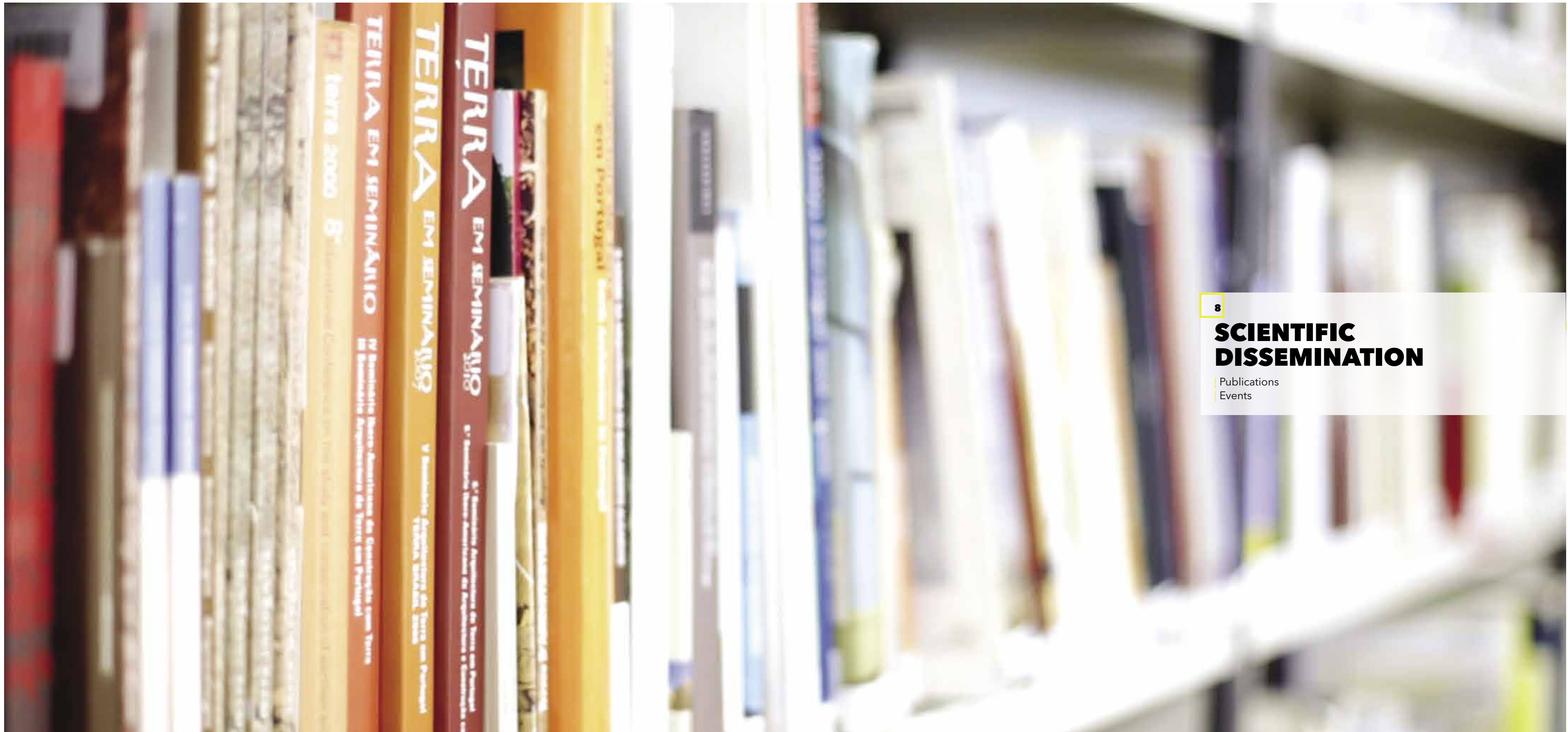
(ix) Support for social causes, through the exhibition of 'There are realities that cannot be hidden' (Há realidades que não se mascaram), an exhibition of itinerante photography promoted by Casulo Abrigo and Methamorphys;

It is also worth mentioning the work developed in partnership with the Foundation of Bienal de Cerveira. As a founding member of the Cerveira Biennial of Arts has an active presence in each International Art

Celebration, with collective and individual exhibitions of students and teachers, and through exhibitions from established artists (e.g. architect Souto Moura exhibition during the XIX Biennial of Cerveira); but also through the participation and organization of seminars, conferences and workshops during the event.

Through the convergence of synergies between scientific and technological knowledge, and the know-how of local artists and craftsmen, there has been an enhancement of scientific culture, and local and regional artistic action. This has a positive impact among graduates and teachers, as well as in the artistic and cultural development of the community.

The Scientific and artistic activities that were developed contributed to regional and local values and to the social responsibility regarding local communities, who request support for sports, for arts and for cultural events. The research team promotes and develops scientific culture and artistic events in the region.



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SCIENTIFIC DISSEMINATION

- | Publications
- | Events

From Vernacular to World Heritage (3DPAST)

Publisher: Firenze University Press; Firenze: 2021
Editors: Letizia Dipasquale, Saverio Mecca, Mariana Correia

Local Seismic Culture in Portugal

Publisher: Argumentum; Lisbon: 2015
Editors: Mariana Correia, Gilberto Carlos

Seismic Retrofitting: Learning from Vernacular Architecture

Publisher: CRC Press/ Balkema/ Taylor & Francis Group; London: 2015
Editors: Mariana Correia, Paulo B. Lourenço, Humberto Varum

Versus: Heritage for tomorrow. Vernacular knowledge for sustainable architecture

Publisher: Firenze University Press; Firenze: 2014
Editors: Mariana Correia, Letizia Dipasquale, Saverio Mecca

Versus: lessons from vernacular heritage to sustainable architecture

Project leader: Escola Superior Gallaecia, Vila Nova de Cerveira, Portugal - Prof. Mariana Correia
Publisher: CRAterre-ENSAG, Escola Superior Gallaecia
Editores: Hubert Guillaud et al.

Vernacular heritage and earthen architecture. Contributions for sustainable development

Publisher: CRC Press, Taylor & Francis, 2013
Scientific Coordination: Escola Superior Gallaecia
Editors: Mariana Correia, Gilberto Carlos, Sandra Rocha

Terra Europae

Publisher: Edizioni ETS & Culture Lab Editions, Italy, 2011
Scientific Coordination: University of Florence, École d'Avignon, Escola Superior Gallaecia, Universidad Politécnica de Valencia, CAUE
Editors: Mariana Correia, Letizia Dipasquale, Saverio Mecca

Terra em Seminário 2010

(EARTH in Seminar 2010)
Publisher: Argumentum with the support of Escola Superior Gallaecia. Lisbon, 2010.
Editors: Maria Fernandes, Mariana Correia e Filipe Jorge

MEDITERRA 2009: 1st Mediterranean Conference on Earth Architecture

Publisher: EDICOM, Universitat di Cagliari, Escola Superior Gallaecia, CRAterre-ENSAG; Cagliari, Italy 2009.
Editors: Maddalena Achenza, Mariana Correia, Hubert Guillaud

Terra Incognita. Discovering & Preserving European Earth Architecture

(2 volumes)
Edição: Culture Lab Editions and Editora Argumentum, 2008.
Scientific Coordination: CRAterre-ENSAG, École d'Avignon, Escola Superior Gallaecia, Polytechnic University of Valencia, University of Florence

CADIVAFOR: Catalogação, digitalização e valorização das fortalezas defensivas da fronteira: Galiza - Norte de Portugal

(CADIVAFOR: Cataloging, documenting and valuing the defensive fortresses of the border: Galicia - Northern Portugal)
Publisher: CIEFAL-ICOMOS, Escola Superior Gallaecia, and CIS-Galicia. Ferrol, Spain 2008.
Editor: Juan Rodríguez-Villasante Priet

Terra em Seminário 2007

(EARTH in Seminar 2010)
Publisher: Argumentum; Lisboa: 2007.
Editors: Célia Neves, Humberto Varum, Maria Fernandes e Mariana Correia

Terra: Forma de Construir. Arquitectura. Antropologia. Arqueologia

(EARTH: Way to Build. Architecture - Anthropology - Archaeology)
Publisher: Editora Argumentum and Escola Superior Gallaecia; Lisbon: 2006.
Editors: Mariana Correia, Vítor Oliveira Jorge

Houses and Cities built with Earth: conservation, significance and urban quality

Publisher: Editor Argumentum with the support of the European Union under the Culture 2000 program; Lisbon, 2006.
Editors: Maddalena Achenza, Mariana Correia, Marco Cadimu e Amadeo Serra

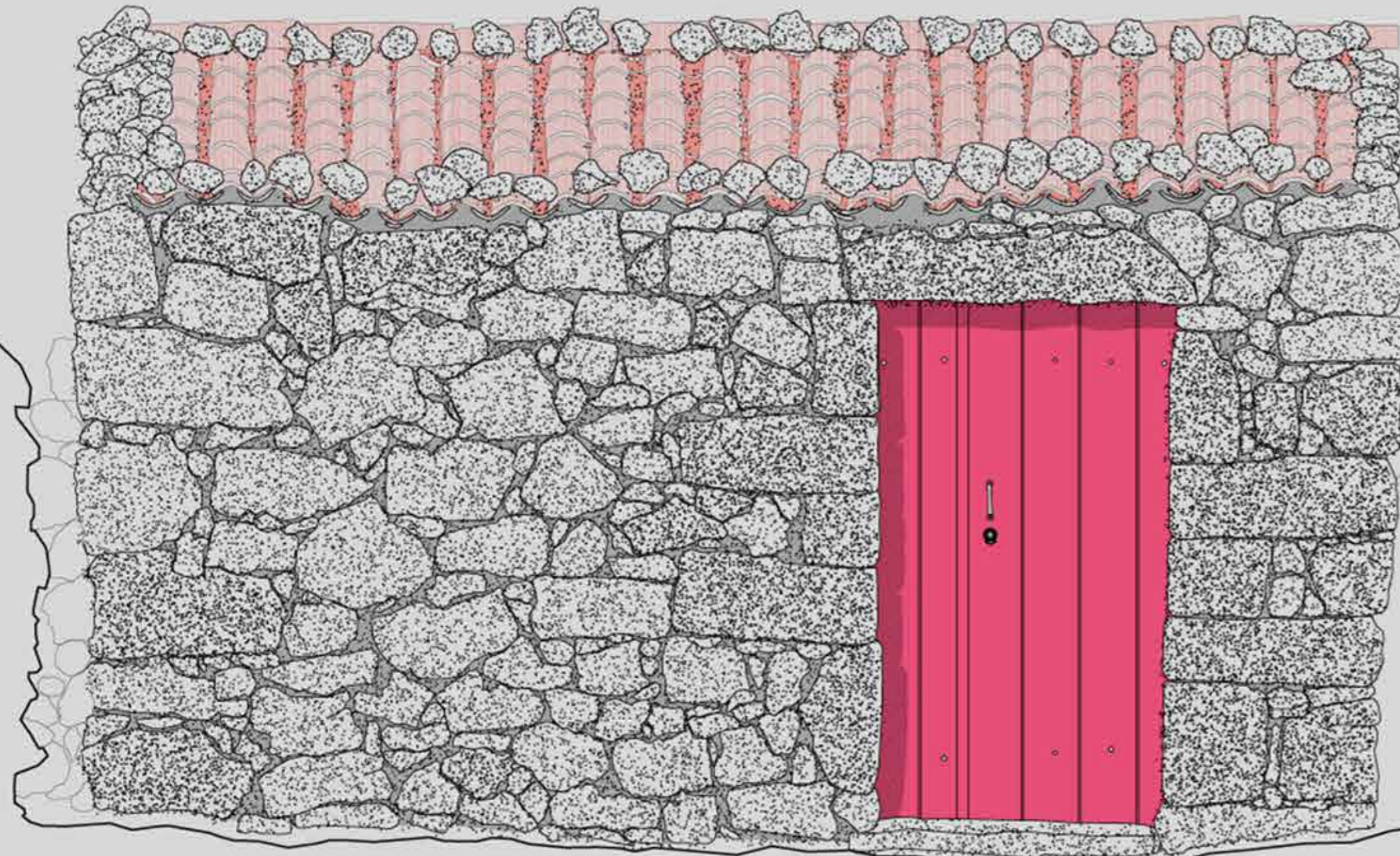
Arquitectura de Terra em Portugal

(Earth Architecture in Portugal)
Publisher: Argumentum, with the support of Escola Superior Gallaecia, Lisbon, 2005
Editors: Maria Fernandes, Mariana Correia

Terra em Seminário

(EARTH in Seminar)
Publisher: Argumentum and Escola Superior Gallaecia, Lisbon, 2005.
Editors: Maria Fernandes, Mariana Correia, Filipe Jorge





Porto,
 Portucalense University,
 Aula Magna
 15-16 June 2023



International Seminar & Roundtable on:
**WHICH FUTURE FOR
 VERNACULAR ARCHITECTURE &
 EARTHEN ARCHITECTURE?**

During the last years, vernacular architecture and earthen architecture have faced multiple challenges worldwide, which have threatened their survival. In several regions, intangible knowledge is disappearing fast, in part due to the fact there are less people keeping the building culture and its know-how alive.

To discuss the future of vernacular architecture and earthen architecture, more than 100 professionals, researchers, and students met in Porto, on June 15 & 16, 2023.

The event was structured in three sessions with debates and a round-table. The International Seminar on Vernacular and Earthen Architecture was dedicated to vernacular documentation, World Heritage, intangible knowledge, knowledge transfer, climate action, adaptation, and a final round-table discussion with input from participations. The key purpose of the roundtable was to establish ways forward, on how to keep vernacular and earthen architecture alive.

A publication with the paper's proceedings, and the round-table notes, will be published in 2023-24.



International Seminar

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*Seminar in Portuguese, English and Spanish,
without simultaneous translation.*

3D PAST
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Research
Project

Project Leader.

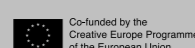
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**WORLD HERITAGE,
VERNACULAR HERITAGE &
EARTHEN HERITAGE**





CIAV 2013

7^o ATP | VerSus

16-20 Oct. 2013

Vila Nova de Cerveira, PORTUGAL

CIAV 2013

International Conference and Annual Meeting of the Vernacular Architecture Scientific Committee of ICOMOS

7th ATP

7th Seminar of Earthen Architecture in Portugal

VERSUS 2013

International Conference of the European Research Project 'VerSus-Lessons from Vernacular Heritage to Sustainable Architecture'

Organisers:

ESG . Escola Superior Gallaecia, Portugal
ICOMOS-CIAV . Intern. Scientific Committee for Vernacular Architecture

Information.

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International Conference
CIAV 2013



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STRATEGIES:

STRATEGIES ON SCIENTIFIC RESEARCH AND TECHNOLOGICAL DEVELOPMENT

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The Research team has developed activity in four main research areas: Architecture and Heritage; Territory, Environment and Urbanism; and Art, Design and Multimedia.

From the activities developed, several indicators allow to measure the quality of the developed research:

- (1) National and international research projects (approval of funding for formal projects);
- (2) Publication of books, chapters and indexed articles;
- (3) Publication of articles in journals and conference proceedings;
- (4) Organization of scientific events;
- (5) Participation in international events;
- (6) Consulting and outreach.

In order to respond to the pre-established indicators, researchers have submitted, as coordinators or partners, a growing number of applications for R&D Projects in Portugal and abroad.

The acquired experience and expertise has resulted in the increased

approval of funding for research. There are also a gradual number of requests for the establishment of international partnerships in research projects and the organization of scientific events.

The efforts developed by the research team, has been rewarded with the increasing number of books published by the researchers, as authors or co-editors. Also, the increasing interest in research has been foreshadowed through:

- a) The publication of chapters and articles in indexed publications by professors and researchers;
- b) The organization of international events. For instance through the International Conference CIAV2013 | 7°ATP | VerSus, organized by esGallaecia and the ICOMOS-CIAV; the annual meeting of the International Committee of Vernacular Architecture; VERNADOC course; etc.
- c) Requests for participation of professors/researchers in international meetings or seminars, to define strategies in different fields of future research;

d) The recommendation for funding of research projects, both in FCT Programs and in European Programs. Regarding the Strategic Vision, the following performance parameters were established:

- (1) **Research Centre;**
- (2) **Research Projects;**
- (3) **Scientific publication;** and
- (4) **Scientific Dissemination.**

For each parameter, indicators and strategic objectives were recognized:

(1) Research Centre

Regarding the Research Centre, it maintains a dynamic structure consisting of residents Researchers (full-time PhD, part-time PhD and doctoral students) and permanent support technicians. One of its major strategic objectives would be to have a stronger input, in the European Research Region, on its areas of expertise. Assuming the overall aims as milestones to be achieved, strategic objectives were defined for the coming years:

- a) To increase and diversify scientific research;
- b) To invest continuously in the quality of research;
- c) To streamline the research areas;
- d) To develop R&D that has a relevant impact in society and that contributes for innovation;
- e) To integrate more PhD researchers in the Research Centre;
- f) To ensure FCT funding;
- g) To develop PhD programmes to continue advancing the high-standard research;

(2) Research Projects

As project-leader and project coordinator, the research team had projects approved in different programmes, such as:

- a) Culture programme - In 2012, approval of funding by European Union, through the R&D project 'VerSus: Lessons from Vernacular Heritage to Sustainable Architecture';
- b) FCT programme - In 2013, approval of funding by the Portuguese Science and Technology Foundation, through the R&D project 'SEISMIC-V: Earthquake-Resistant Vernacular Culture in Portugal';
- c) Creative Europe programme - In 2016, approval of funding by the

European Union, through the R&D project '3DPast: Living and virtual visiting European World Heritage).

In the coming years, CIAUD-UPT will continue advancing its research to:

- Increase the number of applications for R&D projects;
- Expand its leading role in R&D projects, in national and international research programs;
- Establish strategic R&D partnerships at National, European and intercontinental level, with university institutions, Foundations, Institutes, Associations or NGOs;
- Diversify applications in all research areas;
- Increase and consolidate the body of research;
- Encourage the development of services to the community;

(3) Scientific publication

In order to increase and continue its policy of encouraging scientific production by its faculty professors and researchers, the Direction considers essential, the following strategic objectives:

- To encourage the number of scientific publications in books, chapters or articles in indexed Journals;

- To increase the number of professors conducting research and publishing;
- To boost interdisciplinarity through teamwork research;
- To support career progression also based in scientific publications.

(4) Scientific Dissemination

Another important parameter to keep as a strategic option is scientific dissemination. Considers it is important to:

- Maintain the dynamics of organizing conferences, courses, and networking;
- Encourage the participation of professors and researchers in scientific events;
- Participate in national and international research networks;
- Encourage the active participation of teachers and researchers in activities to enhance knowledge and disseminate scientific research.

CIAUD-UPT

Centro de Investigação
em Arquitetura,
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Pólo na
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