



**PROGRESS REPORT (2008)
OF ESCOLA SUPERIOR GALLAECIA, PORTUGAL,
MEMBER OF THE UNITWIN NETWORK
UNESCO CHAIR Earthen Architecture**

**UNITWIN/UNESCO Chairs Programme
Progress report**

Period of activity:

Title of the UNESCO Chair or Network:

Institution/Country: ESGallaecia - Escola Superior Gallaecia, Portugal

Report established by: Mariana Correia, Arch, MA

Function / Title: Vice-President of the Board of Directors of ESG/ Escola Superior Gallaecia;
President of the Foundation Convento da Orada, Foundation dedicated to the Safeguard of Heritage
that also manages the University School Escola Superior Gallaecia.

To be sent by electronic mail to both: unitwin@unesco.org and i.nichanian@unesco.org

or to UNESCO, Division of Higher Education
7, place Fontenoy – 75352 Paris 07 SP
Fax: 33 1 45 68 56 26/27/28

Summary

Since 1999, Escola Superior Gallaecia has developed consistent research and scientific diffusion in earthen architecture. The excellent results have been accomplished through publications (10 books published since 2005); development of scientific research projects (Iberian-American, European, Iberian and National projects); coordination of the Portuguese national seminar ATP (Seminar Earthen Architecture in Portugal – five seminars were already done since 2003) and more recently the co-organization of MEDITERRA 2009, the first Mediterranean Conference in Earthen Architecture, conference developed under the scope of the Chair UNESCO-earthen architecture. Besides, on the last ten years, more than thirty specialists on earthen architecture presented a conference at the school, contributing for an active student formation on the specific area.

I. Address and Contact

	Address of the Host Institution	Address of the Chairholder (or coordinator) Other contact person
Name	Arch. Rui Correia	Arch. Mariana Correia
Function/Title	President of the Board of Directors of ESGallaecia	- Vice-President of the Board of Directors - Director for National and International Relations and Communication - Director of the Research Centre CICRA-ESG - President of the Foundation Convento da Orada, Foundation that manages the school ESGallaecia.
University/Institution	ESG/ Escola Superior Gallaecia	ESG/ Escola Superior Gallaecia
Faculty/Department/Centre		
P.O.Box		
Street		
Postal Code	Largo das Oliveiras	Largo das Oliveiras
City	4920-275	4920-275
Province	Vila Nova de Cerveira	Vila Nova de Cerveira
Country	Minho	Minho
Phone	Portugal	Portugal
Fax	+351.251.794.054	+351.251.794.054
E-mail	+351.251.794.055	+351.251.794.055
Website of UNESCO Chair or UNITWIN Network	rc.arquitecto@gmail.com	mariana.correia@mail.telepac.pt
Website of Host Institution	? www.esgallaecia.com	? www.esgallaecia.com

II. Available resources

For each type of resource placed at the disposal of the Chair/Network, please specify its source (cf. Annex 1)

1. Human resources

- Status of the Chair in the organizational structure of the Institution (number of posts contributing to the Chair) -

The Chair has a relevant placement within the Institution. The contributions to the UNESCO Chair are of great responsibility and effort, being coordinated by the Research Centre CICRA-ESG, dedicated to R&DT. The research centre and the Chair are directed by Arch. Mariana Correia. Other contributors are resident researchers, such as Eng. Jacob Merten and Arch. Gilberto Carlos.

- Number of academic staff (full time and part time), full professors, researchers, lecturers.

The school has 35 full professors, academic staff, researchers and lecturers. Contributing to the UNESCO Chair, there are 3 researchers, and 2 designers. When needed, there is also a contribution of 3 trainees, students of Architecture and Design.

- Number of visiting staff: --
- If there are other staffs or groups contributing to the Chair or Network, please indicate their number and status (postgraduate students, advisors, consultants, experts, NGOs, etc): --
- Number of administrative staff: --

The school has 10 members of administrative staff.
Dr. Sandra Rocha e Sousa congregates all the administrative procedures related to the Chair.

2. Other resources

Financial contributions (*indicate amount, source and purpose*)

ESG/ Escola Superior Gallaecia is a private Higher Education Institution, with two research centres. Financial contributions are originated in University tuitions, such as undergraduate student fees and post-graduate fees. Additionally, 30% of the 600.000€ annual financial accounting comes from R&DT, which includes research projects financed by science and technological national state funding and European research funding.

Services and consulting concerning heritage, sustainability, architecture, design, ecology and landscape have been providing a rising financial contribution within the institution.

Material resources (*indicate their nature and use*)

There are several material resources available at the school. There is an Informatics PC room and another room that provides Mac computers. There are also 12 laptops computers available for post-graduate training. Several informatics programs are adapted for student use and research use, such as Autocad, Arc-View for GIS, SolidWorks, Maya, Final Cut Studio 2, etc. There are also 3 servers being used for INTRANET services and specific programs as Bibliobase (for the library data base) and In Domus (for a data base in Heritage). Finally, there are several printers, multimedia material and data-shows available for pedagogical and research use.

All of this is accessible to be used in UNESCO Chair activities.

Space placed at the disposal of the Chair or Network

The main space that concentrates the Chair activities is CICRA-ESG research room. When necessary, there are also available working rooms and exhibition spaces, owned by the school Escola Superior Gallaecia and the International Biennial of Arts, held in Cerveira. These spaces are available to be used within the scope of the cooperation protocol.

To facilitate easy handling of data, for each type of resources listed above, please provide the amount whenever available or an estimate sum in US Dollars or Euros

III. Activities

(Please, provide short information for each activity)

1. Academic activities

Education (leading to certification)

- Title and expected results for training activity: Master in Architecture and Urbanism - graduation as professional in Architecture and Urbanism.
- Duration: 10 semesters
- Target groups (cf. Annex 2): Undergraduate Students and Graduate Students
- Geographical coverage for partners and participants (cf. Annex 3): National, international and Erasmus students (Portugal, Turkey, Italy, France and Spain)
- Title and expected results for training activity: Undergraduate Degree in Graphic Design and Industrial Design
- Duration: 6 semesters
- Target groups (cf. Annex 2): Undergraduate Students
- Geographical coverage for partners and participants (cf. Annex 3): National, international and Erasmus students (Portugal, Turkey, Italy, France and Spain)
- Title and expected results for training activity: Undergraduate Degree in Ecology and Landscape
- Duration: 6 semesters
- Target groups (cf. Annex 2): Undergraduate Students
- Geographical coverage for partners and participants (cf. Annex 3): National, international and Erasmus students (Portugal, Turkey, Italy, France and Spain)

Training (short term)

- Title and expected results for training activity: Post-graduation in GIS.
- Duration: 2 semesters
- Target groups (cf. Annex 2) Municipality administration, academics, etc
- Geographical coverage for partners and participants (cf. Annex 3): North of Portugal

Research (in earthen architecture)

- **Terra Incógnita II** (in progress)
- Duration: 24 months (2009-2011)
- Target groups (cf. Annex 2): Academics, professionals and general public
- Geographical coverage for partners and participants (cf. Annex 3): France, Portugal; Spain and Italy
- Intended use of results: Dissemination of earthen architecture through the creation of a European network in earthen architecture, which will contribute for the awareness of earthen heritage and the use of earth, as a sustainable building material.

- **CADIVAFOR** (concluded)
- Duration: 12 months (2006-2008)
- Target groups (cf. Annex 2): Academics, professionals and general public
- Geographical coverage for partners and participants (cf. Annex 3): Portugal and Spain
- Intended use of results: Data collection, inventory and data base development concerning military architecture from the northern border of Portugal and south of Galiza, in Spain; specifically earthen and stone fortresses from the 17th century. Results: publication of research report; dissemination of collected information throughout website and CD; creation of a bilingual exposition presenting the investigation and the military identified systems built during the 'restoration war' that took place between the two countries.

- ***Terra Incógnita I (concluded)***
- Duration: 12 months (2006-2007)
- Target groups (cf. Annex 2): Academics, professionals and general public
- Geographical coverage for partners and participants (cf. Annex 3): France, Portugal; Spain and Italy
- Intended use of results: Publication of books for the awareness of earthen heritage and the use of earth, as a sustainable building material.
- ***Houses and Cities built with earth: Conservation, significance and urban quality/ (concluded)***
- Duration: 12 months (2005-2006)
- Target groups (cf. Annex 2): Academics, professionals and general public
- Geographical coverage for partners and participants (cf. Annex 3): Portugal, Spain, Italy and Morocco
- Intended use of results: awareness of earthen architecture; learning from local populations; dissemination of best practices.
- Contribution to the ICOMOS-ISCEAH, by:
 - Creating and managing the Committee website (<http://isceah.icomos.org/>)
 - Developing seven posters representative of the ISCEAH Committee for TERRA 2008 international conference.
- Duration: 2007-present
- Target groups (cf. Annex 2): Academics, researchers, professionals and general public
- Geographical coverage for partners and participants (cf. Annex 3): all the continents
- Intended use of results: Awareness and dissemination of earthen architecture.
- Contribution to the PROTERRA network, by:
 - Creating and managing the Committee website (<http://redproterra.org/>)
- Duration: 2007-present
- Target groups (cf. Annex 2): Academics, researchers, professionals and general public
- Geographical coverage for partners and participants (cf. Annex 3): 18 countries from Latin America and Iberian Peninsula.
- Intended use of results: Awareness and dissemination of earthen architecture.

2. Conferences/ Meetings

- Co-organization of the **Experts Meeting** in Mediterranean Earthen Architecture; organized on the 17th and 18th of March 2009, in Villanovaforru, Sardinia, Italy. Participants (*number and geographical coverage*): 25 people from 10 Mediterranean countries (Portugal, Spain, France, Italy, Cyprus, Turkey, Slovenia, Bosnia-Herzegovina, Greece and Morocco).
- Co-organization of **MEDITERRA 2009**: 1st Conference of Earthen Architecture in the Mediterranean region organized from the 13th to the 16th of March 2009, in Cagliari, Sardinia, Italy. Participants (*number and geographical coverage*): 200 participants from 35 countries around the world (17 countries from the Mediterranean region).

3. Interuniversity Exchanges/ Partnerships

(Please specify:

Name and institutions involved in the exchange and partnership, number of persons- staff and students received, staff and students sent on exchange)

In what exchange programs are concerned, ESGallaecia has obtained the Erasmus Charter for the first time in 2006 and henceforth both students and teachers have been participating and experiencing

this possibility of exchange. Besides, within the UNESCO Chair, ESGallaecia also received important experts:

- **2006/2007** - ESGallaecia received two Italian students from Cagliari, Italy for an Erasmus period of one academic year. In this same academic year, four teachers from ESGallaecia went to Cagliari, in Italy for a week exchange. Within the UNESCO Chair-Earthen Architecture, ESGallaecia received during three days, the visit of the general coordinator of the UNESCO Chair, Prof. Hubert Guillaud;
- **2007/2008** - In this academic year, three students of ESGallaecia went to Italy, for an exchange of one year; two students came from Italy to ESGallaecia and another student from Sarkarya University, Turkey. Within the UNESCO Chair-Earthen Architecture, ESGallaecia received an Italian expert for the period of one week, Arch. Maddalena Achenza from Cagliari University and a Brazilian expert for the period of one week, Prof. Marco António Rezende from the Federal University of Minas Gerais.
- **2008/2009** - In the present academic year ESGallaecia received two students from Cagliari, Italy and another one from Venice, Italy. Within the UNESCO Chair-Earthen Architecture, three teachers of ESGallaecia went to Cagliari for a week interchange.

At the moment ESGallaecia has enlarged their exchange Protocols to other universities, as followed:

- a) Università Degli Studi di Cagliari, Italy;
- b) Università IUAV di Venezia, Italy;
- c) Università Degli Studi Di Firenze, Italy;
- d) Sakarya University, Turkey;
- e) Institute Supérieur D'Architecture, Brussels;
- f) University of East London, United Kingdom;
- g) Ecole Nationale d'Architecture de Grenoble, France;
- h) Federal University of Minas Gerais, Brazil.

4. Publication and multimedia materials

(Please estimate costs of publications and expected revenues from their sale)

Publication

- Book (under the scope of UNESCO Chair-Earthen Architecture)

Title: MEDITERRA 2009 proceedings, 1st Mediterranean Conference on Earth Architecture

Author(S): Maddalena ACHENZA, Mariana CORREIA, Hubert GUILLAUD

Publisher(s): EDICOM, Univeristàt di Cagliari, ESG/ Escola Superior Gallaecia; CRATerre-ENSAG

Year: 2009

Language(s): Italian, French and English

Number of pages: 680pp

- Periodical (periodicity) --
- Others (*specify, please*) --
- Teaching/learning material --

Title: --

Author(S) --

Publisher(s) --

Year --

Language(s) --

Number of pages --

Multimedia material

Title: CD of MEDITERRA 2009 proceedings, 1st Mediterranean Conference on Earth Architecture

Producer and/or distributor (*with address*):

Year: 2009

Teaching/learning material: Proceedings of MEDITERRA 2009 conference

Type of material: • CD ROM

Duration: --

Format: CD ROM

Language(s): Italian, French and English

Main keywords (4 or 5): earth architecture, Mediterranean, research, construction

5. Others

IV. Outcomes

Please describe shortly (up to 500 words) the major outcomes of the Chair/Network with special reference to their impact on the human, social, economical and cultural development at local, national, regional or international level. Whenever applicable indicate the impact of activities on promoting gender equality, rural development, attaining the Millennium Development Goals, Education for All and Sustainable development, etc.

We would like also to receive more detailed information on the activities of the Chair or Network at national level for e.g. implication of the Chair/Network in national Policies.

The ESGallaecia integrates since 2005, the UNESCO Chair - Earthen Architecture and Sustainable Development. It is important to notice, that among 22 institutions that collaborate internationally in this UNESCO Chair, ESGallaecia is the only Portuguese institution. Under the close cooperation between the three European universities, participating in the UNESCO Chair of Earth Architecture, it was held in March 2009, the Mediterra 2009 conference, the 1st Conference of Mediterranean Earth Architecture.

Additionally, ESGallaecia is integrated as 'Entity Friend' of the Iberian-American Network PROTERRA. Under the active collaboration promoted by ESGallaecia, takes place between 2002 and 2005 at CICRA-ESG, the coordination of a research work on Terminology of Earth Construction, in the Iberian-American space. Between 2007 and 2008, the CIAD-ESG performs the PROTERRA network's website: <http://redprotterra.org/>

As active collaborator of the ICOMOS-International Scientific Committee on Earthen Architectural Heritage, the ESGallaecia develops the website of the Committee (<http://isceah.icomos.org/>). It also promotes the work established by the Committee, holding up the 7 panels that constitute the travelling exhibition of ICOMOS-ISCEAH, which are officially presented in Mali, in TERRA 2008: the 10th International Conference for the Study and Conservation of Earthen Architectural Heritage.

Also in 2008, at the invitation of Iranian Heritage Institution (ICHO), a visit to Bam, Iran, was made. The city of Bam suffered an earthquake on 26th of December 2003. The visit allowed the evaluation of opportunities for academic and scientific cooperation, in particular possibilities of training periods for the students of ESGallaecia, in the recovery of the historic city of Bam, Iran (classified as World Heritage in 2004).

ESGallaecia has developed an international strategy, in research, academic and scientific cooperation addressing in particular earthen architecture, in different geographical areas, as follows:

- International strategy, since 2005 (UNESCO Chair - Earthen Architecture and Sustainable Development)
- Iberian-American strategy, since 2002 (I&DT Research, Iberian-American PROTERRA Network, Co-organization of the IV SIACOT / ATP III)
- European strategy, since 2004 (I&DT Research, exchange of researchers, exchange of students and teachers)
- Mediterranean strategy, since 2009 (co-organization of Mediterra 2009, Co-organization of the 1st Expert Meeting Mediterranean)

- Iberian context, since 2005 (I&DT Research, exchange of researchers, exchange of students and teachers)
- Luso-Brazilian strategy, since 2006 (Inter-university protocols, Co-organization of TerraBrasil 2006 – 1stATB / 4thATP)
- Luso-Moroccan strategy, since 2006 (I&DT Research)
- Luso-African strategy, since 2009 (co-organization of the 7thATP)

The ESGallaecia has been consolidating its work through teaching and research, with a constant demand in both academic and scientific fields. It is also distinguished by its consistency in quality, accuracy and excellence. The constant demand for partnerships in I&DT research at an international level; for strategic interdisciplinary cooperation at a national level; consultancy at regional and Iberian levels; the results obtained so far and the potentiality of the actions currently in development, lead to the prediction of a solid growth of ESGallaecia as a Higher Education Institution of reference, at national and International range.

V. Forthcoming activities

(Please outline the action plan for the current biennium)

In what concerns earthen architecture, the main strategic goals of ESGallaecia are:

- 1) To reach people from different disciplines;
- 2) To reach people from different international regions;
- 3) To disseminate research and scientific knowledge.

To address these two main aims, Escola Superior Gallaecia defined specific strategies, involving different partners and time lines. Taking the current biennium into account, during 2010, ESGallaecia will promote and participate actively in the following activities:

- Co-organization of 6thATP / 9thSIACOT, 6th Seminar of Portuguese Earthen Architecture and 9th Seminar Iberian-American of Construction with Earth. The event will be organized in February 2010 and it is being prepared since September 2008. The reunion of the two events, will respond to the two mentioned goals. (1) The 6th ATP will be organized in Coimbra, at the Department of Archaeology. To achieve the first strategic goal, professors of archaeology from distinct Portuguese universities were purposely invited to the Scientific Committee, in order to involve national participation of post-graduate students and departments of Archaeology and History from all the country. On the previous ATP, organized in 2007, in Aveiro, the same strategy had been successful achieved through the Departments of Engineering. Since then, there has been a lot more participation in conferences and applied research done by Portuguese engineers. (2) The second goal would be achieved by joining the SIACOT, to the event, which would involve participation from Latin America and Spain. Besides, experts were invited to the Scientific Committee, belonging to regions from Latin America (Brazil, Colombia, Uruguai, Peru, Mexico), from Iberia (Portugal and Spain) and from the Chair UNESCO partnership (France, Italy, Brazil). This would provide the access to different international regions. The acceptance of papers and presentations in Portuguese, Spanish and English would also provide diffusion of scientific research in different international regional areas.

- Organization of PROTERRA assembly. The organization of this event will join during one day several of the members of the Iberian-American PROTERRA network, which has a membership of 102 experts from 18 countries. The reunion is planned to happened in February 2010. By inviting some of these members to the Scientific Committee of the 6thATP / 9th SIACOT, people will feel more involved to also participate at the PROTERRA assembly. The goal of the assembly is to discuss and establish clear objectives and plans of work to develop among the members of the network, during the following year.

- Organization of the Mediterra Initiative coordinators reunion. Since January 2008, a group of four institutions (University of Cagliari, Italy, Escola Superior Gallaecia, Portugal, CRATerre-ENSAG, France, and Getty Conservation Institute, USA) have been working on the organization of an experts meeting, in order to develop an 'Action Plan' for the Mediterranean region. The co-organization of

Mediterra 2009 conference, in March 2009, helped to framework the process and to prepare an expert meeting organized some days after the conference. Based on the results of this reunion of 25 people from 11 countries (Portugal, Spain, France, Italy, Slovenia, Bosnia-Herzegovina, Turkey, Cyprus, Greece, Egypt, Morocco), the content of the plan was developed. During the present year, the four institutions have been structuring and clarifying the substance of the Action Plan. A reunion of the Mediterra Initiative coordinators is planned for 2010, in order to define the second phase of the process: time-lines, institutions involved and planning of the second MEDITERRA expert meeting, if possible with more countries representatives involved.

- Planning of the 7th ATP, 7th Seminar of Portuguese Earthen Architecture. To achieve the second goal in even further international regions, the 7th ATP is planned to be organized in Africa, in 2013. An invitation was addressed to an Angola University, to create and join to the Portuguese event, the 1st Seminar '*ATA: Arquitectura de Terra em Angola*' (Angola Earth Architecture Seminar). This joined seminar would start a new partnership in the African continent.

- Publication of books, CDs and creation of expositions. (3) For 2010, '*Terra em Seminário 2010*', the proceedings of the 6th ATP / 9th SIACOT, are planned to be published following the collection developed by the Portuguese publisher ARGUMENTUM. Besides, the CD of the event will also be edited. To achieve even further this third goal, ESGallaecia had recently approved for the third time a *Cultura 2000* European project, named Terra Incognita II. This particular project will be developed with 5 institutions from Portugal, Spain, Italy and France, during 2009 to 2011. The project is focused in the dissemination among the general public of earthen architecture as a sustainable architecture approach, but it is also focused on raising general awareness for this invaluable earthen cultural heritage.

Notwithstanding these activities referred above, already established and defined, it is also important to state that others are being prepared and will be informed, as soon as they become effective.

VI. Development prospects

Action aimed at obtaining a stable permanent status of the Chair/Network in the structure of the Institution

Considering its ensemble, ESGallaecia aims at a continuous and solid development. Within this expected development, a stable permanent status of the Chair/Network in the Institution is one of its priorities.

The enlargement of ESGallaecia's infrastructures is also one of the main goals of the university institution, which will enable the continuity and the quality of the work so far developed and accomplished.

It must also be considered the efforts to strengthen the existent cooperation between different countries and institutions and, at the same time, to broaden and to spread other partnerships, already in motion, as for instance within the European region.

The logo of the Chair UNESCO - Earthen Architecture, will be also included on the different activities planned for the next biennium. It is also expected to receive more formal institutional support from the Chair UNESCO (as for instance, the deliver of a formal document, with goals and priorities of the Chair, as well as reference of institutional partners), in order for ESGallaecia to be more active involving other partner members of the Chair, in its own activities, to better accomplish the Chair main goals and priorities. Beside, this document could be posted on the website, and would become the recognition of the work developed so far, by ESGallaecia.

Finally, important to state is that the main goal of Escola Superior Gallaecia is to deepen our national and international range and to consolidate our situation and condition as an institution of quality and accuracy, in both Education and Research.

Annexes

Annex 1

Sources of financial and material contributions

Host Institution: [Escola Superior Gallaecia](#)

Partner university/ institution: [Fundação Convento da Orada](#); [Fundação da Bienal de Arte de Vila Nova de Cerveira](#).

Governmental body: Several of the research projects are funded by governmental or European bodies. Nevertheless, it is not a consistent financial source, as each project has to apply for funding within a specific research project.

Other public institution: [Câmara Municipal de Vila Nova de Cerveira](#); [Associação de Municípios do Vale do Minho](#); [Associação ADRIMINHO](#) (there are systematic consultancy and services developed, addressing these entities).

UNESCO --

Other UN Agencies --

IGOs --

NGOs --

Industry --

Other private sources:

Annex 2

Target groups

(Please specify for each category number of male and female)

Target group	Male	Female	Total
Undergraduate students	157	71	228
Graduate students	92	43	135
Postgraduate students	6	6	12
Academics	27	8	35
Public administrators			
Employees from industry or other private organizations (<i>please, specify</i>)			
Teachers from primary education			
Teachers from secondary education			
Teachers from technical and vocational education			
Teachers from adult education			
Others groups (<i>Please specify</i>)			

Geographical Coverage

- **National** **X**

- **Regional/Interregional/International** **X**

Please specify countries and regions

Regions	Countries
Africa	1 (Morocco)
Arab States	--
Asia/Pacific	--
Eastern and Central Europe	1 (Turkey)
Western Europe and North America	6 (Portugal, Spain, France, Italy, UK, Belgium)
Latin America and the Caribbean	1 (Brazil)