08h30  
Registration and Poster delivery

09h30 | Room 1_EN / PT

**Prof. Arch. Mariana Correia**  
President of ESG Board of Directors | Escola Superior Gallaecia, Portugal

**Arch. Gisle Jakhelln**  
President of ICOMOS-CIAV | International Council on Monuments and Sites - International Scientific Committee for Vernacular Architecture

**Dr. Paula Amendoeira**  
President of ICOMOS-Portugal

**Prof. Arch. Paula Silva**  
Director of SSC - DRCN | Northern Portugal Regional Directorate for Culture

**Arch. Manuel Correia Fernandes**  
Chairman of OA General Assembly | Order of the Architects

**Eng. José Carpinteira**  
President of CM-VNC | Town Hall of Vila Nova de Cerveira

**Dr. Pedro Correia**  
President of FCO | Foundation for the Safeguard and Rehabilitation of Architectural Heritage

10h00 | Room 1_EN / PT

'Built to Meet Needs': Paul Oliver and the study of architecture  
**Keynote Speaker:** Marcel Vellinga  
Oxford Brookes University, UK; ICOMOS-CIAV

10h30 | Room 1_EN / PT

Cultural Values of Earthen Architecture for Sustainable Development  
**Keynote Speaker:** Hubert Guillaud,  
UNESCO CHAIR-Earthen Architecture & CRAterre, Ecole Nationale Supérieure d’Architecture de Grenoble, France; ICOMOS-ISCEAH
### Session 1: Cultural Heritage

**Theme 1: Cultural Heritage and Building Cultures**

**Moderator:** Marcel Vellinga  
Oxford Brookes University & ICOMOS-CIAV, United Kingdom

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<th>Time</th>
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<tr>
<td>11h30</td>
<td>Building on piles</td>
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<tr>
<td></td>
<td>Miles Lewis, University of Melbourne, ICOMOS-CIAV, Australia</td>
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<tr>
<td>11h45</td>
<td>Continuity and change of Thai vernacular building tradition in Thailand</td>
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<td>Pratima Nimsamer, Silpakorn University, Bangkok, Thailand</td>
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<td>Nicholas Walliman, Oxford Brookes University, United Kingdom</td>
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<td>12h00</td>
<td>Working and living: the fishermen and their settlements in Alagoas, Brazil</td>
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<td>Maria da Silva &amp; Louise Cerqueira, Federal University of Alagoas, Maceió, Brazil</td>
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<td>12h15</td>
<td>Carrasqueira: Fishing harbour on stilts</td>
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<td>hut village in Portugal</td>
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<td>Filipe Jorge, Editora Argumentum, Portugal</td>
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<td>Patricia Bruno, Arqueological Center at the University of Lisbon, Portugal</td>
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<tr>
<td>12h30</td>
<td>Vernacular Architecture in Cuba</td>
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<td>Daniel Taboada, ICOMOS-CIAV, Cuba</td>
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<td>12h45</td>
<td>Propaganda, improvements and colonisation: the Estado Novo and the vernacular heritage</td>
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<td>Vitor Ribeiro &amp; José Aguiar, Faculty of Architecture, Technical University of Lisbon, Portugal</td>
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<td>Miguel Reimão Costa, University of Algarve, Portugal</td>
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<td>13h00</td>
<td>Debate</td>
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### Session 2: Cultural Heritage

**Theme 1: Cultural Heritage and Building Cultures**

**Moderator:** Hubert Guillaud  
CRAterre-ENSAG, PROTERRA, ICOMOS-ISCEAH, France

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<tr>
<td>11h30</td>
<td>Givaer Island, on the arctic coast of Norway - a multifaceted economy surviving on heritage skills</td>
<td>EN Room 2</td>
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<td>Gisle Jakkelln, ICOMOS-Norway &amp; ICOMOS-CIAV</td>
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<tr>
<td>11h45</td>
<td>Historic daubed corner-timbered constructions in Czech Republic</td>
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<td>Zuzana Syrová &amp; Jiri Syrový, ICOMOS-ISCEAH &amp; National Heritage Institut, Prague, Czech Republic</td>
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<td>12h00</td>
<td>Geographical cataloguing of earthen architecture in Soria, Spain</td>
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<td>Ignacio Gil Crespo, Polytechnic University of Madrid, Spain</td>
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<td>12h15</td>
<td>An example of vernacular architecture in central Anatolia, Turkey: the mut houses</td>
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<td>Banu Çelebioğlu &amp; Uzay Yergün, Department of Preservation, Faculty of Architecture, Yıldız Technical University, Istanbul, Turkey</td>
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<td>12h30</td>
<td>The Sami Goahti an earthen house in the Arctic</td>
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<td>Randi Sjølie, Department for the Management of the Sami Cultural Heritage, Sami Parliament of Norway</td>
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<td>12h45</td>
<td>Intangible values of building culture in vernacular architecture</td>
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<td>Ozlem Karakul, University of Selçuk, Faculty of Fine Arts, Konya, Turkey</td>
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<td>13h00</td>
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13h15 Lunch
### Session 3: Building Cultures

**Theme 1: Cultural Heritage and Building Cultures**  
Moderator: Valeria Prieto, ICOMOS-CIAV, Mexico

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<tr>
<th>Time</th>
<th>Presentation</th>
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| 14h45 | African-Brazilian architecture in Benin: rescue and re-evaluation of traditional techniques  
*Alexandre Mascarenhas & Roch Kiki Gbénahou*, PROTERRA & Federal Institute of Minas Gerais, Brazil |
| 15h00 | "Sino-Portuguese": The significance of the definition of Shophouse in the Southern Peninsula, Thailand  
*Nathatai Chansen*, ICOMOS-CIAV, Thailand |
| 15h15 | Minka – Japanese immigrants houses in Ribeira Valley, São Paulo, Brazil  
*Akemi Hijjoka, Bianca Joaquim & Akemi Ino*, Institut of Architecture & Urban Design, University of São Paulo, Brazil |
| 15h30 | Researching the traditional building culture of Costa da Lagoa, Santa Catarina, Brazil  
*Maria Isabel Kanan*, ICOMOS-ISCEAH, PROTERRA, Brazil |
| 15h45 | (Re)using adobe. From survey to conservation; from restoration to new reconstruction  
*Victor Mestre*, University of Coimbra, Portugal  
*Sofia Aleixo*, University of Évora, Portugal |
| 16h00 | Adobe architecture in Portugal: differences and analogies between vernacular and "designed" architecture  
*Maria Fernandes*, ICOMOS-ISCEAH, PROTERRA, CEACUP, Portugal |
| 16h15 | Debate |

### Session 4: Conservation

**Theme 1: Cultural Heritage and Building Cultures**  
Moderator: Gisle Jakhelln, ICOMOS-CIAV, Norway

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<th>Time</th>
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| 14h45 | Evaluation of planning systems in earthen heritage conservation  
*Nicholas Walliman*, Oxford Brookes University, U.K.  
*Mariana Correia*, PROTERRA, ISCEAH, CIAV, FCO, FAFB, Escola Superior Gallaecia, Portugal |
| 15h00 | Cultural Heritage management and ownership regime in the Island of Mozambique  
*Ana Tarrafa, Rob Derks & Ana Roders*, University of Technology, Eindhoven, The Netherlands  
*J. Hougaard*, University of Lúrio, Nampula, Mozambique |
| 15h15 | Restoring rural houses in Estonia  
*Joosep Metslang*, Centre of Rural Architecture, Estonia Open-Air Museum, Estonia |
| 15h30 | Conservation of architectural heritage in Saudi Arabia: the case study of Jawatha Mosque  
*Mohammad Sharif Zami*, King Fahd University Petroleum & Minerals, Saudi Arabia |
| 15h45 | Conservation problems and recommendations on architectural heritage of Hanönü, Turkey  
*Koray Guler & Zeynep Keçiçi*, Mimar Sinan Fine Arts University Faculty of Architecture Department of Restoration, Istanbul, Turkey  
*A. Acaralioğlu & Yagmur Saluk*, Istanbul Technical University Faculty of Architecture Master Programme of Restoration, Istanbul, Turkey |
| 16h00 | Manuals for the recovery of historical centers of Sardinia, Italy  
*Silvia Carrucci*, University of Cagliari, Sardinia, Italy |
| 16h15 | Debate |

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16h30 Coffee break
Session 5: Traditional & Contemporary

Theme 1: Cultural Heritage and Building Cultures

Moderator: Maria Fernandes
CEAUCP, PROTERRA & ICOMOS-ISCEAH, Portugal

17h00
Contribution to the knowledge of rammed earth houses in Vidigueira, Portugal
Norberto Fialho, Independent researcher, Portugal

17h15
Rural rammed earth houses in Baixo Alentejo, Portugal: ruin or heritage?
Catarina Pereira, Association Centro da Terra & FCT - Nova University of Lisbon, Portugal

17h30
Mértola, museology and earthen architecture in Portugal
Rolando Melo da Rosa, Institute João Tomás Nunes, Fermentelos, Portugal

17h45
Vernacular technology in Brazil: transformation and preservation
Marco Rezende, J. Leite & F. Cardoso, PROTERRA & University of Minas Gerais, Brazil

18h00
Traditional and contemporary construction cultures: a comparison between building processes
Thiago Lopes Ferreira, Ecole National Supérieur d'Architecture de Grenoble, France and Institute of Architecture and Urbanism of the University of São Paulo, Brazil

18h15
Contemporary earthen architecture in the south west of Portugal, meanings of a heritage
Susana T. Sequeira, Department of Architecture and Urbanism, ISCTE-IUL, University Institute of Lisbon, Portugal

18h30
Debate

Session 6: Old & New

Theme 1: Cultural Heritage and Building Cultures

Moderator: Nicholas Walliman
Oxford Brookes University, United Kingdom

17h00
Contemporary vernacular as a diffusion of an innovation process
Jamal A. Al-Qawasmi, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia

17h15
Changing trade – the Modernist Vernacular as idiom in South Africa
Debbie Whelan, Department of Architecture, Durban University of Technology, South Africa

17h30
The city vernacular in South Africa
Zack Wessels & Gerhard Bosman, Earth Unit, Department of Architecture, University Free State, South Africa

17h45
Küreken 2013: designing a new village with rammed earthen construction in Eastern Anatolia, Turkey
Burhan Çiçek, İTÜ Foundation- Earthen Constructions Working Team, Istanbul, Turkey

18h00
Harmonic Diachrony: current use of traditional techniques in rehabilitation projects
Mónica Alcindor, Escola Superior Gallaecia, Portugal
Oriol Roselló, CATS, UdG - Escola Politècnica Superior, Girona, Spain

18h15
Two contests for the design of model, vernacular houses for health resort at Łądek Zdrój, Poland
Elzbieta Trocka-Leszczyna & Agnieszka Tomaszewicz, Wrocław University of Technology, Poland

18h30
Debate

19h00 | Room 1 | EN / PT

Award for Best Papers & Poster

19h15
Verde de Honra (a toast with regional wine) offered by the Town Hall of V. N. Cerveira
### Session 7: Materials

**Theme 2: Materials & Constructive Techniques**

**Moderator:** Zuzana Syrová, ICOMOS-ISCEAH, National Heritage Institute, Czech Republic

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<th>Topic</th>
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<tr>
<td>09h30</td>
<td>Recycling of bricks in rammed earth walls</td>
<td>Camilla Mileto, Valentina Cristini, Fernando Vegas López-Manzanares &amp; José Ruiz Checa, Heritage Restoration Institute (IRP), Universitat Politècnica de València, Valencia, Spain</td>
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<tr>
<td>09h45</td>
<td>Timber roof structures of centenary earthen buildings. Case studies</td>
<td>Aníbal Costa &amp; Humberto Varum, Depart. of Civil Engineering, University of Aveiro, Portugal</td>
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<td>Alice Tavares, Faculty of Engineering of the University of Porto, Portugal</td>
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<td>10h00</td>
<td>Lime and colour technologies in the vernacular architecture of the Algarve, Portugal</td>
<td>Marta Santos, J. Pernão &amp; José Aguiar, Faculty of Architecture, Technical University Lisbon, Portugal</td>
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<td>Miguel Reimão Costa, Faculty of Sciences and Technology, University of Algarve, Portugal</td>
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<td>10h15</td>
<td>Strategies to improve earth building durability</td>
<td>Rute Eires &amp; Aires Camões, Department of Civil Engineering, University of Minho, Portugal</td>
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<td>Maria Ponte, Department of Architecture, Faculty of Sciences and Technology, University of Coimbra, Portugal</td>
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<td>10h30</td>
<td>The importance of knowledge on the vernacular heritage preservation</td>
<td>Aníbal Costa, Dora Silveira, Alice Tavares, Humberto Varum, Celeste Almeida &amp; António Arêde, Department of Civil Engineering of the University of Aveiro, Portugal</td>
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<td>10h45</td>
<td>Debate</td>
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### Session 8: Mortars

**Theme 2: Materials & Constructive Techniques**

**Moderator:** Gerhard Bosman, University of Free State, South Africa

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<tr>
<td>09h30</td>
<td>Adequacy of mortars for adobe building renders</td>
<td>Ana Velosa, University of Aveiro, Civil Engineering Department and GEOBIOTEC, Portugal</td>
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<td>Humberto Varum, University of Aveiro, Civil Engineering Department, Portugal</td>
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<td>09h45</td>
<td>Use of plasters containing straw in vernacular architecture</td>
<td>Mateja Golež &amp; A. Mauko, Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia</td>
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<tr>
<td>10h00</td>
<td>Evaluation of air lime and clayish earth mortars for earthen wall renders</td>
<td>Paulina Faria, Vitor Silva, Naila Jamú &amp; Inês Dias, FCT, Dep. Civil Engineering, Nova University of Lisbon, Portugal</td>
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<td>Maria Idália Gomes, ISEL, Department of Civil Engineering, Polytechnic Institute of Lisbon, Portugal</td>
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<td>10h15</td>
<td>Cattail - reinforced clay plasters in building heritage preservation and new construction</td>
<td>Georgi Georgiev, W. Theuerkorn, M. Krus &amp; R. Kilian, Fraunhofer-Institute for Building Physics IBP Holzkirchen, Stuttgart, Germany</td>
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<td>10h30</td>
<td>Gypsum as reinforcement for floors: conceptual approach</td>
<td>Fernando Vegas López-Manzanares, Camilla Mileto, Valentina Cristini &amp; José Ruiz Checa, Heritage Restoration Institute (IRP), Universitat Politècnica de València, Valencia, Spain</td>
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Session 9: Constructive Techniques

**Theme 2: Materials & Constructive Techniques**
Moderator: Mohammad Zami, King Fahd University, Saudi Arabia

**11h30**
Architectural heritage of the north eastern Portugal: History, construction and valorisation
*Lurdes Martins, Graça Vasconcelos & Paulo B. Lourenço*, University of Minho, Portugal

**11h45**
An example of vernacular architecture: traditional houses of Adana, Turkey
*Nur Umar*, Restoration Department, Institute of Science, Yıldız Technical University, Istanbul, Turkey
*C. Karbeyaz*, Restoration Department, Institute of Science, Istanbul Technical University, Turkey
*O. O. Polat*, Structural Engineering Dep., Institute of Science, Istanbul Technical University, Turkey

**12h00**
Architectural morphology and construction techniques of traditional Yoran houses, Turkey
*Uzay Yergün, Ceylan Gençer, Banu Çelebioğlu & Aynur Çiftçi*, Yıldız Technical University, Faculty of Architecture, Istanbul, Turkey

**12h15**
Typological research on traditional community house of the Katu ethnic minority in Vietnam
*Hirohide Kobayashi & Truong Phuong*, Graduate School of Global Environmental Studies, Kyoto University, Kyoto, Japan
*T. N. Nguyen*, College of Sciences, Hue University, Hue, Vietnam

**12h30**
The vernacular house between the Cávado and the Ave, Portugal
*Carlos Barroso, Daniel Oliveira, Luís Ramos & Paulo B. Lourenço*, ISISE, University of Minho, Guimarães, Portugal

**12h45**
Body-based units of measurement for building Katu community houses in Central Vietnam
*Hirohide Kobayashi*, Graduate School of Global Environmental Studies, Kyoto University, Japan
*T. N. Nguyen*, Hue College of Science, Hue University, Hue, Vietnam

**13h00**
Rammed earth walls in the late middle age castles in the actual province of Soria, Spain
*Ignácio Gil Crespo*, Politecnic University of Madrid, Spain

**13h15**
Debate

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Session 10: Constructive Techniques

**Theme 2: Materials & Constructive Techniques**
Moderator: Saverio Mecca, UNIFI & ICOMOS-ISCEAH, Italy

**11h30**
A Preliminary Study on the Construction Systems of House Types in East Timor.
*Yao-Ru Chen & C. P. Pan*, Department of Architecture, Cheng Shiu University, Kaohsiung, Taiwan
*Y. L. Lim & M. Y. Ng*, Department of Architecture, Universiti Teknologi Malaysia, Skudai, Malaysia
*Wan-Wen Huang*, Department of Art and Design, Yuan Ze University, Chung-Li, Taiwan

**11h45**
A report of turf ridge (shibamune) in Japanese thatched folk houses
*Satoshi Ono*, Yokohama National University, Yokohama, Japan
*Yukimasa Yamada*, Tokyo Metropolitan University Tokyo, Japan

**12h00**
Construction Techniques of the Vernacular Architecture of the Eastern Black Sea Region
*Koray Güler*, Mimar Sinan Fine Arts University Faculty of Architecture Department of Restoration, Turkey
*Ayse Bilge*, Istanbul Technical University Faculty of Architecture Department of Restoration, Turkey

**12h15**
Cob in Spain
*Camilla Mileto, Fernando Vegas López-Manzanares, Valentina Cristini & Lidia Soriano*, Heritage Restoration Institute (IRP), Universitat Politècnica de València, Valencia, Spain

**12h30**
Traditional materials and construction techniques in the rural settlement Baspinar, Turkey
*Aynur Çiftçi & M. Efeoğlu*, Yıldız Technical University, Faculty of Architecture, Istanbul, Turkey

**12h45**
Living with Bamboo and plant leaves: Thailand’s last community of traditional bamboo huts
*Vacharee Vacharasin*, Department of Architecture & Planning, Faculty of Architecture, King Mongkut’s Institute of Technology Ladkrabang, Bangkok, Thailand

**13h00**
Stone Construction in Corbelling
*Borut Juvanec*, Ljubljana University, Faculty of Architecture, Ljubljana, Slovenia

**13h15**
Debate
### Session 11: Heritage on the territory

**Theme 3: Territory and Environmental Adaptation**

**Moderator:** Fernando Vegas  
**Universitat Politècnica de Valencia, Spain**

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<th>Authors</th>
<th>Institution</th>
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</table>
| 15h00  | Watermills and traditional landscape in the hills of the Algarve, Portugal | Marco Barão, T. Valente & Miguel Reimão Costa  
University of Algarve, Portugal |                                                                                           |
| 15h15  | Watermills and weirs from the Ave River: an inter-municipal heritage value in Portugal | Bruno Matos  
Research Center of Architecture & Urban Design at FAUP, Portugal |                                                                                           |
| 15h30  | The Pesqueiras of Minho River - a vernacular heritage to preserve    | Fernanda Pacheco, Armando Fernandes, Xavier Ollero & Carlos Antunes  
Escola Superior Gallaecia, Vila Nova de Cerveira, Portugal |                                                                                           |
| 15h45  | Apiary-walls and pitfall-traps in Portugal: archaic constructions for wild animals | João Caninas & Francisco Henriques  
AEAT, Associação de Estudos do Alto Tejo, Portugal  
Francisco Álvares  
Research Center for Biodiversity and Genetic Resources, University of Porto, Portugal |                                                                                           |
| 16h00  | Brandas and Inverneiras of Castro Laboreiro, Portugal: A settlement model in a high mountain territory | Goreti Sousa & Rui Correia  
Escola Superior Gallaecia, Vila Nova de Cerveira, Portugal |                                                                                           |
| 16h15  | Vernacular settlements in Serra da Peneda, Portugal: the case of Rouças and Gavieira | Filipa Gomes  
Escola Superior Gallaecia, Vila Nova de Cerveira, Portugal |                                                                                           |
| 16h30  | Architecture(s) in Serra da Peneda, Portugal: an approach to settlements on the territory | Fernando C. Barros  
Independent researcher, Portugal |                                                                                           |
| 16h45  | Debate                                                              |                                                                                             |
### Session 13: Urban Design

**Theme 3: Territory and Environmental Adaptation**

**Moderator:** David Viana  
Escola Superior Gallaecia, Portugal

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<tr>
<td>17h30</td>
<td>Cacela revisited: a brief study of the architecture and landscape of Algarve, Portugal</td>
<td>Miguel Reimão Costa &amp; D. Batista</td>
<td>University of Algarve, Portugal</td>
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<td>17h45</td>
<td>Urban heritage in Setúbal’s domestic architecture, Portugal</td>
<td>Isabel Sousa Macedo</td>
<td>Faculty of Architecture, Technical University of Lisbon, Portugal</td>
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<td>18h15</td>
<td>Common cultural heritage in two Ottoman ports: Smyrna and Salonica</td>
<td>Ceylan Irem Gençer</td>
<td>University of Florence, Institute of Architecture, Istanbul, Turkey</td>
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### Session 14: Local Adaptation

**Theme 3: Territory and Environmental Adaptation**

**Moderator:** Maria Ines Subercaseaux  
ICOMOS-CIAV, Canada

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<td>17h30</td>
<td>The unrecognized bedouin villages - internal spatial order as a basis for development</td>
<td>Yaara Manor-Rosner, Y. Rofé &amp; S. Abu-Rabia-Queder</td>
<td>Bona Terra Department of Man in the Desert, J. Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Israel</td>
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<td>17h45</td>
<td>From universal to local: challenges of safeguarding the vernacular architecture in Turkey</td>
<td>Tayyibe Gül Köksal</td>
<td>Faculty of Architecture and Design, Kocaeli University, Izmit, Turkey</td>
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<td>Deniz İkiz</td>
<td>Faculty of Technology, Design and Environment, Oxford Brookes University, UK</td>
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<td>Burcun S. Coşkun</td>
<td>Faculty of Architecture, Mimar Sinan Fine Arts University, Istanbul, Turkey</td>
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<td>18h00</td>
<td>The patio house in Morocco: a sustainable design strategy</td>
<td>Letizia Dipasquale, Saverio Mecca &amp; Berenice Aguilar</td>
<td>University of Florence, INN-LINKS Research Centre, Florence, Italy</td>
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<td>18h15</td>
<td>Saving Cumalıkızık for the future: cultural heritage in Turkey</td>
<td>A. Zeynep Ahunbay</td>
<td>Istanbul Technical University, Faculty of Architecture, Turkey Tarık</td>
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<td>Tarık Ayrancılar &amp; Assuman Polat</td>
<td>Yıldırım Municipality, Bursa, Turkey</td>
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<td>Aykut Uray</td>
<td>Mersan Construction, Bursa, Turkey</td>
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20h15  
Conference Dinner / Jantar da Conferência “Brazeirão do Minho”
### Session 15: Energy Efficiency

#### Theme 4: Energy Efficiency & Sustainable Design

**Moderator:** Camilla Mileto, Universitat Politecnica de Valencia, Spain

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<th>Time</th>
<th>Speaker</th>
<th>Title</th>
<th>Institution(s)</th>
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<tbody>
<tr>
<td>09h45</td>
<td>Oncu Basoglan Avsar, E. Akyuz Levi</td>
<td>Sustainability of vernacular houses in the inner towns of Muğla, Turkey: Architectural typology and its transformation</td>
<td>Department of Architecture, Pamukkale University, Denizli Turkey, Department of Architecture, Dokuz Eylul University, Izmir, Turkey</td>
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<tr>
<td>10h00</td>
<td>Maddalena Achenza, G. Chiri &amp; I. Giovagnorio</td>
<td>The microclimatic design of Southern Sardinian loggias in Italy</td>
<td>DICAAR, University of Cagliari, Sardinia, Italy</td>
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<tr>
<td>10h15</td>
<td>André Coelho, Inês Cabral &amp; G. Machado</td>
<td>Assessing energetic self-sufficiency and low environmental impact in Pontes, Portugal</td>
<td>Castro Laboreiro, Portugal and Ecoperfil, Lisbon, Portugal</td>
</tr>
<tr>
<td>10h30</td>
<td>Marwa Dabaieh</td>
<td>Energy efficient design strategies for contemporary vernacular buildings in Egypt</td>
<td>MISR International University Egypt</td>
</tr>
<tr>
<td>10h45</td>
<td>Marta Sampaio, Bruno Marques</td>
<td>Vernacular principles towards eco-efficiency: a case study in Santiago do Cacém, Portugal</td>
<td>University of Lusíada in Porto, Portugal, CEAUP - African Research Centre at the University of Porto, Portugal</td>
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### Session 16: Risk Mitigation

#### Theme 5: Natural Hazards & Risk Mitigation

**Moderator:** Rawiwan Oranratmanee, ICOMOS-CIAV, Thailand

<table>
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<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>09h45</td>
<td>Annalisa Caimi, Milo Hofmann</td>
<td>Learning from vernacular building practices: a starting point for risk mitigation</td>
<td>CRAterre, Ecole Nationale Supérieure d'Architecture de Grenoble, France, Archives of Modern Building, Ecole Polytechnique Fédérale de Lausanne, Switzerland</td>
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<tr>
<td>10h00</td>
<td>Hugo Capellà Mitemnée</td>
<td>A vernacular architectonic tradition hidden behind facades: concepción’s case in Chile</td>
<td>Faculty of Architecture, Urbanism &amp; Geography, University of Concepción, Chile</td>
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<tr>
<td>10h15</td>
<td>Julio Vargas Neumann, S. Rodríguez-Larraín, T. Montoya Robles &amp; S. Onnis</td>
<td>Vernacular heritage seismic risk management. Ongoing educational project</td>
<td>Centro Tierra, Pontificia Universidad Católica del Perú, Lima, Peru</td>
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<tr>
<td>10h30</td>
<td>Rui A. Silva, Daniel V. Oliveira &amp; Paulo B. Lourenço, L. Schueremans</td>
<td>Experimental investigation on the repair of rammed earth by means of injection of mud grouts</td>
<td>ISISE, University of Minho, Guimarães, Portugal, Department of Civil Engineering, KU Leuven, Heverlee, Belgium</td>
</tr>
<tr>
<td>10h45</td>
<td>Maria Bostenaru Dan, D. Mendes</td>
<td>Contemporary installations with Timber from disaster reconstructions</td>
<td>&quot;Ion Mincu&quot; University of Architecture and Urbanism, Bucharest, Romania, ISCTE-IUL, Lisbon, Portugal</td>
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</tbody>
</table>
### Session 17: Risk Mitigation

#### Theme 5: Natural Hazards & Risk Mitigation

**Moderator:** Julio Vargas

PUCP, PROTERRA, ICOMOS-ISCEAH, Peru

#### Room 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>11h45</td>
<td>Seismic-V: Vernacular Seismic Culture in Portugal</td>
<td>Mariana Correia, Gilberto Carlos, Sandra Rocha</td>
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<td>Escola Superior Gallaecia, Portugal</td>
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<td>Paolo B. Lourenço &amp; Graça Vasconcelos, University</td>
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<td>of Minho, Portugal</td>
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<td>Humberto Varum, University of Aveiro, Portugal</td>
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<td>12h00</td>
<td>The History of New Zealand Housing and the</td>
<td>Hugh Morris &amp; Margareth Worth, Department of</td>
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<td>Performance of Different Styles in the 2011</td>
<td>Civil and Environmental Engineering, The</td>
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<td>Christchurch Earthquakes</td>
<td>University of Auckland, New Zealand</td>
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<tr>
<td>12h15</td>
<td>Japanese Dozo-structured buildings damaged by the</td>
<td>Yukimasa Yamada, Tokyo Metropolitan University, Tokyo, Japan</td>
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<td>2011 Tohoku’s Earthquake</td>
<td>Sathoshi Ono, Yokohama National University, Yokohama, Japan</td>
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<td>B. S. Hirata, Tokyo Metropolitan Government Office, Tokyo, Japan</td>
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<tr>
<td>12h30</td>
<td>Vulnerability assessment of churches under</td>
<td>Esmeralda Paupério, Construction Institute, Faculty of</td>
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<td>earthquake hazard</td>
<td>Engineering, University of Porto, Portugal</td>
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<td>Xavier Romão &amp; A. Arède, Faculty of Engineering,</td>
<td>University of Porto, Portugal</td>
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<td>University of Porto, Portugal</td>
<td>Aníbal Costa, University of Aveiro, Portugal</td>
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<tr>
<td>12h45</td>
<td>Debate</td>
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### Session 18: Sustainable design

#### Theme 4: Energy Efficiency & Sustainable Design

**Moderator:** Maddalena Achenza

UNICA, ICOMOS-ISCEAH, Italy

#### Room 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>11h45</td>
<td>The contribute of using vernacular materials and</td>
<td>Jorge Fernandes, R. Mateus &amp; Luis Bragança,</td>
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<td></td>
<td>techniques for sustainable design</td>
<td>C-TAC Research Centre, University of Minho, Portugal</td>
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<tr>
<td>12h00</td>
<td>Evaluation of sustainable design elements in the</td>
<td>Stavroula Thravalou, M. Philokyprou, A.</td>
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<td>historic Centre of Nicosia, Cyprus</td>
<td>Michael &amp; I. Ioannou, School of Engineering, University of Cyprus, Nicosia, Cyprus</td>
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<tr>
<td>12h15</td>
<td>Local potentials for a sustainable heritage</td>
<td>Ana-Maria Labo &amp; D. F. Paraschiv, University</td>
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<td>management</td>
<td>of Architecture and Urbanism, Bucharest, Romania</td>
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<td>12h30</td>
<td>Added value by benchmarking: comparing existing</td>
<td>Nelson Silva Brito &amp; M. Gameiro da Silva, University</td>
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<td>buildings to demonstrate their potential</td>
<td>of Coimbra, Portugal</td>
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<tr>
<td>12h45</td>
<td>Study for the rehabilitation of vernacular</td>
<td>Inês Costa Carrapiço &amp; J. Neila González,</td>
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<td>architecture with sustainable criteria</td>
<td>Technical Higher Education School of Architecture, Polytechnic</td>
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<td>University of Madrid, Spain</td>
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<td>13h00</td>
<td>Debate</td>
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**13h30 Lunch**

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**Presentation of the Iberian Award for Vernacular Architecture Research / Apresentação do Prémio Ibérico de Investigação da Arquitectura Tradicional**
**Session 19: Dissemination & Communication**  
**Theme 6: Education & New Research**  
**Moderator:** Goreti Sousa  
Escola Superior Gallaecia, Portugal

**15h00**  
Reading vernacular heritage: the case of Sino-French joint workshop of Liang Cun, China  
Shao Yong, College of Architecture and Urban Planning, Tongji University, Shanghai, China

**15h15**  
Workshop for theoretical and practical conservation of vernacular architecture in Greece  
Nikolaos Lianos, Faculty of Architecture, Democritus University of Thrace, Xanthi, Greece

**15h30**  
Earthen architecture, culture of transition and self-construction  
Paulo Costa, Atelier PEEL living projects, Porto, Portugal

**15h45**  
Contribution of the audio-visual Heritage for the dissemination of the vernacular architecture  
José Cardoso Marques, Centro de Estudos Interdisciplinares do Século XX - University of Coimbra, Coimbra, Portugal

**16h00**  
Which are the keys for earth building reintroduction in Spanish building system?  
Angels Castellarnau Visús, PERIFERIA, Arquitectura y sostenibilidad scp, Huesca, Spain

**16h15**  
Debate

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**Session 20: Education**  
**Theme 6: Education & New Research**  
**Moderator:** José Vicente  
Escola Superior Gallaecia, Portugal

**15h00**  
The DSA-earthen architecture: a tool to convey the lessons of vernacular architecture  
Bako Rakotomamonjy, Sébastien Moriset, David Gandreau & Hubert Guillaud, CRAterre-Ecole Nationale Supérieure d’Architecture de Grenoble, France

**15h15**  
Five years working with the youth: Re-evaluation of earthen heritage in the Western Himalayas  
Martina Oeter & Alexandra Skedzuhn-Safir, NGO Achi Association, Zurich, Switzerland

**15h30**  
Addressing Southeast Asian vernacular architecture studies in the changing environment  
Raiwiwan Oranratmanee, Faculty of Architecture, Chiang Mai University, Thailand

**15h45**  
Exposing architecture students to vernacular concepts  
Jan Nel & Gerhard Bosman, Earth Unit, Department of Architecture, University Free State, Bloemfontein, South Africa

**16h00**  
Research in vernacular architecture in Mexico  
Gerardo Torres Zárate, National Polytechnic Institute - Escuela Superior de Ingeniería y Arquitectura Tecamachalco, Mexico

**16h15**  
Debate

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16h30 Coffee break
### Session 21: New Research Focus

#### Theme 3: Territory and Environmental Adaptation

**Moderator:** Hossam Mahdy, ICOMOS-CIAV, United Arab Emirates

**17h00**
**Digital tectonic: Rethinking building with earth in architecture**
*Alexandra Paio, B. Varela & V. Rato,* Vitruvius FabLab-IUL, University Institute of Lisbon, Portugal

**17h15**
**Managing data on construction techniques and damage using digital media**
*Xavier Romão,* Faculdade de Engenharia da Universidade do Porto, Portugal

*Esmeralda Paupério,* Instituto da Construção, Faculdade de Engenharia da Universidade do Porto, Portugal

*Aníbal Costa,* Universidade de Aveiro, Portugal

**17h30**
**Austronesian houses analyses through the WDRS-Database**

*Wan-Wen Huang,* Department of Art and Design, Yuan Ze University, Chung-li, Taiwan

*A. Fujii,* College of Architecture & Environment, Sichuan University, China

*M. H. Wang,* Department of Architecture, National Cheng Kung University, Tainan, Taiwan

*Yao-Ru Chen,* Department of Architecture, Cheng Shiu University, Kaohsiung, Taiwan

**17h45**
**Three-dimensional reconstitution of an ex-place: The submerged Vilarinho da Furna**

*Luis Mateus, David Carvalho & V. M. Ferreira,* QAUD - Faculty of Architecture - Technical University of Lisboa, Portugal

**18h00**
**VerSus: Vernacular Heritage contribution to Sustainable Architecture**

*Mariana Correia, Gilberto Carlos, Jacob Merten, David Viana & Sandra Rocha,* Escola Superior Gallaecia, Vila Nova de Cerveira, Portugal

**18h15**
**Debate**

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### Session 22: New Research Focus

**Moderator:** Miles Lewis, University of Melbourne, ICOMOS-CIAV, Australia

**17h00**
**Preserving vernacular architecture through community intervention and volunteer programmes**

*Juan Diego Badillo,* Ministry of Culture and Heritage, Quito, Equator

**17h15**
**Vernacular living as a model for innovation and sustainability: The wood furniture of Minho region**

*Daniela Alves, Luis Pacheco, José Vicente & Goreti Sousa,* Escola Superior Gallaecia, Portugal

**17h30**
**Using old farm buildings for transmitting vernacular traditions in Ireland**

*Anna Meenan & Cohn Murray,* The Heritage Council, Kilkenny, Ireland

**17h45**
**Social and human aspects in the use of vernacular knowledge**

*Natalia Rey Cuellar,* Paul Oliver Vernacular Architecture Library, Oxford Brookes University, Oxford, United Kingdom

**18h00**
**Debate**
Programme 1: Earthen architecture workshop (www.centrodaterra.org)
Organisation: Association Centro da Terra (CdT)
Location: Next to the Cinema theatre, in Vila Nova de Cerveira.
Time period: 09h00-18h00, in Vila Nova de Cerveira.
Target public: All the public.
Requirements: Registration fee (90€ and 70€);
Registration: info@centrodaterra.org
General programme: http://ciav2013workshops.blogspot.pt/
Three workshops are organised (participants are required to register previously):
- Earthen plasters (rebocos de terra)
- To build with rammed earth (construir com taipa)
- To build with Strawbales (construir com fardos de palha)

Programme 2: ICOMOS-CIAV annual meeting & ICOMOS-ISCEAH annual meeting.
Meeting point: At 8h45, at Escola Superior Gallaecia, near the Forum Cultural de Cerveira.
Departure at 9h00, to Viana do Castelo.
Time period: 08h45-18h00, full day in Viana do Castelo and surroundings.
Target public: ICOMOS International Committee members of CIAV and ISCEAH.
Requirements: Free of charge
Schedule:
09h00 | ICOMOS members travel by bus from Vila Nova de Cerveira to Viana do Castelo
09h30 | ICOMOS-CIAV meeting at the Library of Viana (ISCEAH members are observers)
11h30 | ICOMOS-ISCEAH meeting at the Library of Viana (CIAV members are observers)
13h00 | Free Lunch
15h00 | To visit the Viana do Castelo historical centre and its surroundings.
18h00 | Travel back to Vila Nova de Cerveira.
20h00 | Free Dinner

Programme 3: VerSus Scientific Workshop (www.esg.pt/versus)
Organisation: Versus partners (ESG + UPV + UNICA + UNIFI + CRATerre)
Time period: 09h00-13h00, in Vila Nova de Cerveira.
Location: At Escola Superior Gallaecia, in Vila Nova de Cerveira.
Target public: PhD and Master students.
Details and Contacts: versus@esg.pt
Requirements: Free of charge, but registration is compulsory (no places available anymore).

Programme 4: Cultural Tours Programme (Optional)
Organisation: Bliss Tours - Your Choice Our Way -Cultural Private Tours | Guiding and Driving small groups
Details and Contacts: www.blisstours.pt | info@blisstours.pt | reservas@blisstours.pt | 00351.933.927.309

Programme 5: Cultural and Sportive Programme (Optional)
Organisation: Animaminho - Live the Adventure
Details and Contacts: www.animaminho.eu | info@animaminho.eu | 00351.962.892.606
Meeting Point: Escola Superior Gallaecia

Visit - Lindoso & Soajo

08h00 - Departure from Vila Nova de Cerveira
   Visit to vernacular heritage in stone masonry:
   . 'Espigueiros' (stone granaries) in Soajo and Lindoso
   . 'Branca' (isolated mountain village) at the National Park of Peneda-Gerês

10h00 - Arrival to Lindoso
   Visita à aldeia do Lindoso

10h15 - Visit to the Lindoso village / Visit to the espigueiros (stone granaries)

11h15 - Departure from Lindoso

12h00 - Arrival to Soajo

12h10 - Visit to the Soajo village / Visit to the espigueiros (stone granaries)

12h45 - Lunch in Soajo

14h00 - Departure from Soajo

14h15 - Arrival to miradouro de Tibo
   Observation of the Branda de Tibo and Gavieira

16h15 - Departure to Vila Nova de Cerveira

18h30 - Arrival to Vila Nova de Cerveira

Places: Availability: 70 seats.
Registration: info-ciav2013@esg.pt
Coordinators: Filipa Gomes & Joana Soares (ESG | Escola Superior Gallaecia)
Support: Municipality of Arcos de Valdevez.