
APHELEIA 2016 INTENSIVE PROGRAMME

TERRITORIAL MATRICES AS REQUIREMENT FOR INTEGRATED
CULTURAL LANDSCAPE MANAGEMENT

Mação, Centro Cultural Elvino Pereira, 9-18 March, 2016

PROGRAMME

09.03.2016, Wednesday

9h00: Introduction (outline of the programme, basic concepts, presentation of the region)

Luiz Oosterbeek, IPT, ITM, CGEO, CIPSH, HERITY – *The scope of Apheleia and Cultural Integrated Landscape Management and the International Year of Global Understanding*

Miguel Pombeiro, CIMT – *The Middle Tagus region: characteristics and challenges*

Presentation of the book *Sustainability Dilemmas. Transdisciplinary contributions to Integrated Cultural Landscape Management*

12h30: Lunch

14h30: Project We propose! Young people discuss and build the territory

Sérgio Claudino, IGOT, CEG, IYGU

The Project “We propose! Citizenship and Innovation in Geographic Education” currently mobilizes 1,600 people in Portugal, is being developed in Brazil and starts in 2016/17 in Spain. Geography secondary school pupils identify local problems that are significant to them (the lack of a skate park; the rehabilitation and reuse of an abandoned building; aging population; the definition of a tourist itinerary; or building a playground with equipment for disabled people). They come to

the street, collect information and draw up proposals for action, which they share with the local authority and the community in a territorial citizenship perspective. Pupils and teachers of Serta High School will make a brief presentation of the projects already undertaken and currently being developed under the *We propose!*

15h30: Workshop on how to convene integrated landscape management methods and concepts when addressing the challenges presented by the region – session 1. (Sara Cura, CMM, ITM, CGEO, monitoring)

20h00: Welcome dinner at the School of Mação (food experiences, poetry, fado)

10.03.2016, Thursday

9h00: Anthropology, archaeology and economics

Jose Júlio Garcia Arranz, UEx

André Soares, UFSM, ITM

Social organization and knowledge transfer in Guarani communities

Fabio Carbone

Archaeology and Sustainability: Model of operationalization of Complexity.

The new challenges humanity is currently experiencing require the adoption of a complex approach to resource management towards new global balances. Issues related to archeology and cultural heritage, today "intersect" - in theory and in practice -

with sustainability, economic and social development and even international relations. How to operationalize this complexity?

Nelson Almeida, ITM, UTAD, CGEO

The times they are a-changin': resources exploitation during the Early and Middle Holocene in the Tagus Valley (Portugal).

The Holocene marks a turning point in the scenario where human evolution developed. Besides several environmental and climatic oscillations that only now we start to understand, regarding their impact on human (and other biotic) communities, in different landscape settings, other changes occurred of which the advent of a productive economy is the most striking. Based on existing data and models, some considerations are discussed regarding the last hunter-gatherer-fishers and the first productive economies in the Tagus Valley (Portugal).

12h30: Lunch

15h00: Workshop on how to organize spaces of memory and entrepreneurship (Luiz Oosterbeek, IPT, ITM, CGEO, CIPSH; Anabela Pereira, CMM, ITM; Margarida Morais, CMM, ITM, monitoring)

The workshop will be at Monte Penedo Memory Space. Two tasks will be organised: inventory and processing of objects; museography and oral records. There will be a visit to the space of memory, involving members of the local community, including its President, Mrs. Maria Emília.

11.03.2016, Friday

9h00: Round table: Humanities and the daily agenda – revisiting the framework of landscape management (in partnership with UNESCO, CIPSH and ISSC)

John Crowley, UNESCO

Mathieu Denis, ISSC

Luiz Oosterbeek, IPT, ITM, CGEO, CIPSH

Elizabeth Silva, UNESCO Portuguese National Commission

12h00: Lunch

13h30: Study visit to the Boquilobo Biosphere Reserve (Luís Santos, IPT, ITM, CGEO, monitoring, and Elizabeth Silva, CN UNESCO, on *Biosphere reserves, Geoparks and the UNESCO National Commissions. How to integrate them into the scope of IYGU?*)

21h00: Multilingual poetry. All IP participants are invited to attend and recite a poem of their own country, in their native language.

12.03.2016, Saturday

9h00: Urbanism, arts and local sustainability

Antoine Lourdeau

Prehistoric archaeology and local communities in Chapecó region (South Brazil)

Archaeological researches always have an impact on local communities. This is particularly true in the American continent, where the past, even prehistoric one, is a highly charged issue. In this lecture we will approach the complex relationships between archaeology and the current territories in Chapecó region in South Brazil.

Helena Zemankova, BTU, HERITY

For cities located on the coast of the Atlantic, the Mediterranean and the North Sea, the significant urban zones are industrial areas, docklands and terminals that utilize a cheap transport route by sea. Nevertheless, these zones often constitute a barrier between the city, its inhabitants and the sea. They are called "Entre terre et mer" in French. For two decades, docklands authorities, architects and town planners, the Italian company Città d'Acqua and cities themselves have been paying attention to those areas. They are proposing to move cargo ports to more distant locations and to make the coast accessible to city inhabitants. The emptied original objects are gaining various new functions and serve residents and tourists alike.

Ferruccio Ferrigni, CUEBC, DYCLAM

Paysages Culturels comme paradigme d'une prévention efficaces des désastres naturels locaux: critères d'analyse et problèmes de gestion

12h00: Lunch

14h30: Visit to the Museum of Prehistoric Art of Mação

15h00: Isabel Dâmaso, Tiago Jordão, Leonardo Rossetti (FBAUL)

Tinware culture and the landscape of Mação: How can we integrate some aspects of material culture and local identity in new products and services

The knowledge of crafting daily-use artifacts with tinplate is disappearing along with a collective imagery of objects that were replaced for new ones in new materials. Understanding the cultural value underneath tinware and developing a local strategy using Design Thinking approach is the aim of the work done by master design students at FBAUL

15h30: Workshop on how to convene integrated landscape management methods and concepts when addressing the challenges presented by the region – session 2. (Sara Cura, CMM, ITM, CGEO, monitoring)

17h00: Inauguration of the exhibition "*Ouessant. Fascinating earth sculptures. Photos and drawings of Helena Zemankova*"

17h30: Vera Cruz Pinto, FDL, IDB

13.03.2016, Sunday

9h00: Global understanding. Methods and challenges

Karsten Gaebler, Friedrich-Schiller-University Jena.

Department of Social Geography/Germany.

Methods of Transdisciplinary Research.

Transdisciplinarity has become one of the most popular buzzwords of present-day science. However, the frequency of the word's use surprisingly contrasts with a remarkable conceptual vagueness or even complete misunderstanding of the term. The workshop will develop an understanding of transdisciplinary research that is rooted in both transgressing disciplinary boundaries *and* transgressing the boundaries of the scientific ivory tower. We will address methodological questions of bridging different scientific mindsets (connecting disciplines around shared problems) and questions of translating lifeworld-problems into scientific subject-matters (integration techniques).

Maurizio Quagliuolo, HERITY

The understanding of Cultural Heritage and social conflicts.

We are fronting difficult times. We are searching for solutions in various directions, until now without definitive success. Most probably, we need more information to orient our choices. Most probably, we should recall the Past to make possible to understand the future. The crucial questions are: which Past? How to adopt an ancient (or actual) point of view? Otherwise, how to refuse it? What can help us to choose? The HERITY approach can help in that direction, letting possible to value the significance of cultural remains and share decisions (often bottom-up) about conservation, communication and services at that sites.

Marta Arzarello, UNIFE, UISPP

David Pleurdeau

12h30: Lunch

15h00: Workshop – conceiving a cultural landscape (Abrantes) . Luís Dias, CMA and Davide Delfino CMA, ITM, CGEO, UISPP (monitoring)

EVENING: Portuguese folk music in the Auditorium: Cantares da Serra

14.03.2016, Monday

9h00: Study tour in the Tagus valley – Tomar's urban pattern and power

F. Ferrigni, CUEBC, DYCLAM (monitoring)

12h30: Lunch

14h00: Study visit to the Tagus valley and the Castle of Almourol

Pierluigi Rosina and Laurent Caron, IPT, ITM, CGEO (monitoring)

15.03.2016, Tuesday

9h00: Social territorial matrices

Renaldas Gudauskas, VU, VNL, HERITY

Science communication in the content of social networks

Science communication – to communicate and to acquaint the multitude with scientific knowledge aiming to inculcate scientific position among the common level, which should be a part of a scientist's everyday life. Nowadays new social networks and media are improving the connectivity of researchers, engineers, PhD candidates, post-docs, and students. Thus to be successful, regardless of field or career path, scientists must learn how to communicate. In other words, to be a successful scientist, you must be an effective communicator. The value of social networks for scientists lies in faster access to information relevant to their research and the communities that are made more available by new tools. When scientists are able to communicate effectively beyond their peers to broader, non-scientist audiences, it builds support for science, promotes understanding of its wider relevance to society, and encourages more informed decision-making at all levels, from government to communities to individuals. It can help make science more diverse and inclusive.

Michel De Peyre, UJM, DYCLAM

Gaia Marnetto, HERITY

Rural areas development reinforcing through the strengthening of local identities: two cases from the "Gravine" territory (Italia) and the Médio Tejo (Portugal).

The race to the internationalization in the field of the cultural tourism offer can become a big "political bluff" without the involvement of the inhabitants. This is a difficult job in the case of rural communities, because they rarely show interest in opening their territory and "roots" to the foreign travelers, or, that is worse, they aspire to a short-term gain. Creating conditions and a suitable *humus* for the cultivation of quality tourism through Culture is one of the new challenges of HERITY International. In this example, two applications are considered: *Puglia* (Italy) and the *Médio Tejo* (Portugal) regions.

12h30: Lunch

15h00: Workshop: conveying oral knowledge through experimentnt: the archaeology of techniques

Pedro Cura, CMM, ITM (monitoring)

20h00: Dancing evening at the Cine-Theatre of Mação (main square).

16.03.2016, Wednesday

9h00: Social territorial matrices

Lévi Figuti

Les paysages construits de la préhistoire brésilienne.

Les sites qui marquent le paysage du Brésil soit pour la construction intentionnelle des reliefs artificieux (sambaquis,

tesos, aterros, cerritos, geoglifos, maisons souterraines, etc) or comme conséquence d'une occupation intensive (sites de terre noire). Ces témoins de la modification préterite du paysage indique questions liés à la complexité des cultures constructeurs, le marquage du territoire, la gestion de la topographie et de l'hydrologie.

Laurent Caron, IPT, ITM

The encounter of different matrices: Classical and Barbarian Europe

12h30: Lunch

14h30: Geographic Information Systems workshop (Rita Anastácio, IPT, ITM, CGEO; Rui Santos, ESRI, monitoring)

Evening: *Dancing at the Cine theatre*

17.03.2016, Thursday

9h00: Students' essays presentation.

12h30: Lunch

14h30: Students' essays presentation.

Evening: *Party dinner at ITM*

18.03.2016, Friday

9h00: Students' essays presentation.

12h30: Lunch

14h30: Final assessments.

More information: www.apheleiproject.org



INTERNATIONAL MEETINGS OF YOUNG SCIENTISTS OF THE FUTURE

UNESCO Associated Schools Project Network

Brief history

The Meetings of Young Scientists, co organized by the Portuguese National Commission of UNESCO and by Escola Secundária Sá da Bandeira (ESSB) began after the participation of the ESSB in the International Meeting "Scientists of the future – Men and Women", organized by UNESCO, in April 1998, which brought together 140 young people in Paris from, UNESCO Associated Schools Project Network in 31 countries. Portugal was represented by a teacher and a student of the ESSB and by a student of a school.

The guidelines outlined in this meeting in Paris were:

- Establish dialogue between scientists about the major problems of today and tomorrow
- To know better men and women to whom we owe the big research explorations and scientific discoveries
- Reflect on the ethical dimension of science in the service of the well-being of humanity and our planet
- Visit scientific locations (laboratories, research centers, museums and observatories).

The ESSB was the school that responded to the call for schools to organized meetings in accordance with these guidelines and in 1998 held the first Meeting of Scientists of the Future of the UNESCO Associated Schools Project Network with the participation of Portuguese schools.

From the 3rd meeting that have been participating schools from other countries. In 2005, after the 6th meeting, the Director General of UNESCO, considering the emphasis given to teaching and research, science, human rights, innovation, ethics and to cooperation of civil society entities, awarded the ESSB, the Organization of these meetings, with the first Pillar Peace.

UNESCO invited the Member States to facilitate the participation of their ASPnet associated schools in the campaign and to take initiatives in this direction. The eighteen initiatives proposed include:

- Create partnerships with scientific institutions and museums to jointly develop experiences and projects
- Visiting places with scientific interest
- . To involve young people in the knowledge of scientific interest
- Organizing national or regional scientific symposium
- Twinning of science courses from different countries
- Initiate an exchange of experiences between teachers and students of various schools
- Promote the investigations carried out by young scientists and particularly by women.

Currently, the Meetings are disseminated according to the following methodology:

- Research carried out in schools participants according to the theme
- Preparation of a short summary and other longer, with the result of the research carried out
- Each working group prepare a communication in a plenary session
- The students carry on the work in small groups constituted (with the support of topics) and in the end they all take conclusions
- Writing of the General conclusions
- Presentation in plenary the conclusions of each working group
- The presence of a professor a higher educator or another specialist in order to comment and complement the conclusions drawn
- Study visits: museums, exhibitions and research institutes where students have the opportunity to contact with those who "do science"
- Colloquiums and debates
- Exhibitions
- Organization of cultural activities with the participation of the students

Thus, the encounters are presented with the following format with the approach of formal presentations at scientific congresses:

- Development of an investigation
- Public presentation
- Discussion and reflection autonomous, with peers in small groups
- Public presentation of the conclusions, with a spokesman chosen by the Group

- Dissemination of the work of the Meeting in a formal report send to the Portuguese National Commission of UNESCO
- . Existence of an "official language"
- Presentation of a poster for a wider audience
- Possibility of presentation, on return to their schools, the outcome of their participation.

Themes:

- 1998 – *Scientists from the future – women and Men* (Paris)
- 1999 – *The work of scientists*
- 2000- *Doing science. How?*
- 2001 – *Heritage and civilizations in dialogue*
- 2002- *Scientific research in the service of society*
- 2003- *UNESCO Projects, an incentive to scientific research*
- 2004 – *The slave trade to the new forms of Slavery*
- 2005 – *Let's celebrate the physics*
- 2006 – *Paths to sustainable development*
- 2007 – *Understand the Earth, first step towards sustainable development*
- 2008- *The Earth Sciences in the service of society*
- 2009 – *Discover your Universe*
- 2010- *Biodiversity for sustainability*
- 2011 – *... everything turns!*
- 2012- *Let's break the silence!*
- 2013 – *Water for life*
- 2014 – *Feed the world respecting the Earth*
- 2015-*One world, multiple cultures – International Decade Cultures Approach*
- 2016 – *Global understanding – what role for the young scientists?*
- 2017 – *Climate Change (in preparation)*

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