



**EUROPEAN AND LATIN AMERICAN CONFERENCE  
ON CLIMATE CHANGE MANAGEMENT (ELAC<sup>3</sup>M)**

“Opportunities and Challenges for the  
Modernization of High Education Institutions”

Venue: Antigua, Guatemala, Central America, 29-30 August 2013



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**1<sup>st</sup> Announcement & Call for Papers**





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## EUROPEAN AND LATIN AMERICAN CONFERENCE ON CLIMATE CHANGE MANAGEMENT (ELAC<sup>3</sup>M)

Opportunities and Challenges for the Modernization of High Education Institutions”  
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### /// BACKGROUND

Climate change is one of the most important challenges of modern times, and one which affects both industrialised and developing nations in a way seldom seen before.

The impacts of climate change are especially severe in developing countries, since they affect the livelihood of millions of people and often lead to decreases in their quality of life. In regions such as Latin America, characterized by a number of countries which are especially vulnerable to the consequences of climate changes (e.g. draughts, floods and disasters), it is important to identify ways to foster climate change management, i.e. to pursue approaches, methods and initiatives which may lead to an improved capability to better cope with the effects of climate change.

Based on this state of affairs, the project “Network of Climate Change Technology Transfer Centre in Europe and Latin America” (CELA) was initiated. CELA, which is being implemented as part of the ALFA III Programme of the European Commission, and which involves countries from both Latin America (Bolivia, Guatemala, Nicaragua and Peru) and Europe (Germany and Estonia), looks at climate change management and fosters increased cooperation between universities in Latin America and Europe in this important field. Within the framework of the project CELA, the **EUROPEAN AND LATIN AMERICAN CONFERENCE ON CLIMATE CHANGE MANAGEMENT** is being organized.

The importance of the Conference can be understood if one considers the fact that Latin America as a whole and Central America in particular is affected by recurrent which makes this territory the most vulnerable in the world. The **EUROPEAN AND LATIN AMERICAN CONFERENCE ON CLIMATE CHANGE MANAGEMENT** is thus meant to make available the latest scientific and findings and gather interested scientists and discuss the role of education and technology transfer on Europe and Latin America.

The **EUROPEAN AND LATIN AMERICAN CONFERENCE ON CLIMATE CHANGE MANAGEMENT** is organized by the Research and Transfer Centre on Climate Change at Galileo University in Guatemala, under the auspices of the CELA Project. It is supported by the Research and Transfer Centre “Applications of Life Sciences” of the Hamburg University of Applied Sciences, which coordinates the CELA project.

The language of the conference is **English**.





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### /// AIMS

The aims of the **EUROPEAN AND LATIN AMERICAN CONFERENCE ON CLIMATE CHANGE MANAGEMENT** are as follows:

- i. to provide universities from Europe and Latin America with an opportunity to display and present their works (i.e. curriculum innovation, research, activities, practical projects) on climate change and climate technologies;
- ii. to foster the exchange of information, ideas and experiences acquired in the execution of projects, from successful initiatives and good practice, highlighting the possibilities of applications and replications;
- iii. to discuss methodological approaches and projects which aim to integrate the topic of climate change in the curriculum of European and Latin American universities;
- iv. to participants and provide a platform explore possibilities for cooperation, Latin American-European efforts in this key area.

Last but not least, a further aim of the event will be to document and disseminate the wealth of experiences available today on climate change in European and Latin American universities. To this purpose, accepted papers are expected to be published in the **book “Higher Education Institutions and Climate Change: Opportunities and Challenges”**. This will be a volume of the award-winning book series “Climate Change Management” at Springer, one of the top 10 scientific publishers.

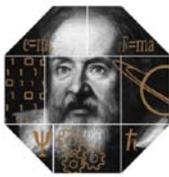
Finally, a “**Best Paper Award**” shall be offered to the 3 best papers presented at the conference.

### /// PROFILE OF PARTICIPANTS

Delegates attending the **EUROPEAN AND LATIN AMERICAN CONFERENCE ON CLIMATE CHANGE MANAGEMENT** will come from a cross-sectoral range of areas. They are:

- i. members of university administrations;
- ii. teaching staff
- iii. research staff;
- iv. student groups;
- v. project officers and consultants;
- vi. representatives from businesses and corporations
- vii. government officials engaged in climate change activities
- viii. representatives of non-governmental organizations and civil society in general, working in the field of climate change.





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It is believed that this wide range of participants will help to outline the need for integrated approaches towards climate change management, and hence contribute to the further dissemination of new ideas and best practices.

## /// STRUCTURE OF THE EVENT

The **EUROPEAN AND LATIN AMERICAN CONFERENCE ON CLIMATE CHANGE MANAGEMENT** will be organized in three main strands:

### **Strand 1: the displays**

Participating universities and organizations will be able to put-up displays describing their works and projects and to distribute the relevant information to the participants. The displays will be the backbone of the event and will allow close, one-to-one contacts between the participants and the exhibitors.

### **Strand 2: Exchanges Tables.**

The idea here is to allow beneficiaries and those offices in charge of national, bilateral and multilateral aid, belonging to countries with definite cooperation programs and international organizations, technical as well as financial ones, to directly meet with beneficiaries. The aim is to strengthen and improve the process of making applications and sharpen the objectives, results, institutional frameworks and financial requests that guide the application and selection processes of national and international cooperations. This approach includes Guatemalan Government offices that channel funds to specific population targets and beneficiary non-governmental organizations.

### **Strand 3: the presentations**

A set of presentations, divided into four parallel sections will be organized, dealing with issues of strategic value in reviewing the state of art of education for climate change and sustainability today. These are:

- Session 1:** “State of the art” with regard to the approach explaining how universities, business, government and civil society in general, approach the subject of climate change. The session will concentrate on particular groups as such independent of other sectors.
- Session 2:** Innovations in the collaboration of universities, business, government and civil society in general, implementing climate change research and technology applications. The session will concentrate on intersections of two or more groups belonging to different sectors.
- Session 3:** Modernization on Climate Change and sustainability in the university campus.
- Session 4:** Climate change projects

The presentations will be complemented by a round-table with key experts.





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## /// TIME-TABLE

The **EUROPEAN AND LATIN AMERICAN CONFERENCE ON CLIMATE CHANGE MANAGEMENT** will be held on Thursday 29<sup>th</sup> August 2013 and Friday 30<sup>th</sup> August 2013 in Antigua Guatemala.

The schedule is as follows:

### 29<sup>th</sup> August 2013

**All day:** Exhibition and visit to displays and exchanges.  
**Morning:** Session 1, first day.  
**Afternoon:** Session 2, first day

### 30<sup>th</sup> August 2013

**All day:** Exhibition and visit to displays and exchanges  
**Morning:** Session 3, last day.  
**Afternoon:** Round-table with key experts Conclusions, last day  
**Evening:** Farewell Dinner

In order to ensure an efficient use of the time, delegates are kindly asked to organize their travel in a way that allows them to arrive in Guatemala in the course of Wednesday the 28<sup>th</sup> of August and travel back on or after the 31<sup>th</sup> August 2013.

## /// DEADLINES

<b>Deadline for submission of abstracts:</b>	30 <sup>th</sup> October 2012
<b>Deadline for submission of papers:</b>	30 <sup>th</sup> January 2013
<b>Deadline for submission of full papers with corrections:</b>	30 <sup>th</sup> March 2013
<b>Deadline for registrations:</b>	10 <sup>th</sup> April 2013

## /// FEES AND CHARGES

This is a self-funded event and the organisers are unable to pay any travel or accommodation costs of any kind. They are, however, happy to issue letters of invitation to support delegates to request funding for their participation.

## /// REGISTRATION AND CONDITIONS OF PARTICIPATION

Registrations are now open and are possible **until 10<sup>th</sup> April 2013**. Regrettably, registrations after the deadline will not be possible. Since the space for displays and the time for presentations is limited, delegates are advised to register as soon as possible. The organizers will notify any interested delegate or organization in the event there are limitations with time for presentations or space for displays. Registered delegates will then receive further details on the updated information about the preparations for the event. The decision as to which papers will be





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accepted for presentation will be taken by the Chairman, on consultation with the organising committee. The Chairman's decision is however the final one. Participants registering to the event will do so under the condition that they will cover their own travel, accommodation and incidental costs (e.g. visa fees) related to their trip to Guatemala. **This is a self-funded event and the organisers are unable to pay any travel or accommodation costs of any kind.**

## /// ORGANIZING COMMITTEE

### Guatemala and Nicaragua

- Lic. Germán Rodríguez, Coordinator of the National Network for Capacity Building and Research, (Red Nacional de Formación e Investigación Ambiental, (REDFIA by its acronym in Spanish)
- Dr. Lauriano Figueroa, Ph.D., Agronomy Faculty Dean, San Carlos University, FAUSAC
- Dr. Alex Guerra, Ph.D., Private Institute of Climate Change Director (Instituto Privado de Cambio Climático, ICC)
- Prof. Alejandra Hernandez, ., Private Institute of Climate Change Director (Instituto Privado de Cambio Climático, ICC)
- Ing. Carlos Cobo, M.Sc., Research Institute of Engineering, Mathematics, and Physical Sciences, (Instituto de Investigaciones de Ingeniería, Matemática y Ciencias Físicas, IN<sup>3</sup>, Mariano Gálvez University of Guatemala.
- Dra. Doris Martínez, Ph.D., Research Institute Sub-Director of the Del Valle University (Instituto de Investigaciones de la Universidad del Valle de Guatemala).
- Dr. Roberto Cáceres, Mesoamerican Studies Center Director on Appropriate Technology Director, (Centro Mesoamericano de Estudios sobre Tecnología Apropiaada, CEM).
- Lic. Ana María Palomo, National Climate Change Forum Coordinator, (Mesa Nacional de Cambio Climático).
- Dr. Nelson Amaro, CELA-Guatemala Director, Galileo University.
- Prof. Julio Miranda, Centre of Research and Technology Transfer at the Galileo University, Manager.
- Licda. Ericka Tuquer, CELA-Guatemala Assistant, Galileo University.
- Eng. Murphy Paiz, Dean, Faculty of Engineering, San Carlos University, USAC.
- Prof. Miguel Flores, Conservationist Centre, San Carlos University, USAC.
- Prof. José Augusto Sierra, General Director of the Ministry of Environment and Natural Resources, MARN, Directorate of Social Organization and Participation.
- Prof. Andrea Eunice Rodas Morán, Researcher, General Directorate of Research, DGI, Universidad de San Carlos, USAC.
- Dr. Gilberto Bergman, President of the Universidad de Ciencias Comerciales, Commercial Sciences University, Nicaragua.

### Germany

- Franziska Mannke, CELA-Germany, Director, HAW Hamburg, Germany.
- Linda Chalupova, CELA, HAW Hamburg, Germany



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### /// INTERNATIONAL PARTNERS

Tallinn Technical University, Estonia  
Hamburg University of Applied Sciences, Germany  
Universidad Católica Boliviana, Bolivia  
Universidad de Ciencias Comerciales, Nicaragua  
Universidad Galileo, Guatemala  
Pontificia Universidad Católica de Perú, Perú.

### /// SCIENTIFIC COMMITTEE

#### Chairman and Convenor

Prof. Walter Leal (HAW Hamburg and RCE Hamburg and Region).

#### Members

Prof. Daniela Jacob, Max-Planck Institute for Meteorology, Hamburg University.  
Dr. Maria Julia Fonseca de Seixas, University of Lisbon, Portugal.  
Dr. Katarina Buhr, IVL Swedish Environmental Research Institute, Sweden.  
Prof. Arvo Iital, Tallinn Technical University.  
Prof. Jaime Vera, Pontificia Universidad Católica de Perú.  
Prof. David Chávez, Pontificia Universidad Católica de Perú.  
Prof. Luis Camacho, Pontificia Universidad Católica de Perú.  
Prof. José Milán, Universidad de Ciencias Comerciales, Nicaragua.  
Dr. Edwin Castellanos, Ph.D. Research Institute, Director of the Del Valle University (Instituto de Investigaciones de la Universidad del Valle de Guatemala).  
Prof. Javier Aliaga, Catholic University of Bolivia, Bolivia.  
Prof. Horacio Villegas, Catholic University of Bolivia, Bolivia.  
Dr. Nelson Amaro, Galileo University, Guatemala.  
Dr. Cyrano Ruiz Cabarrus, Galileo University, Guatemala.  
Prof. Juan Luis Fuentes, Galileo University, Guatemala.  
Prof. Orlando Sáenz, Applied Sciences University of Colombia, ARIUSA Coordinator (Alianza de Redes Iberoamericanas de Universidades por la Sustentabilidad y el Ambiente, ARIUSA).  
Dr. Javier Benayas del Olmo, Madrid Autonomous University and University Presidents Conference of Spain.

### /// ORGANIZERS- FURTHER INFORMATION AND SECRETARIAT

Task Force: Centre of Research and Technology Transfer on Climate Change at the Galileo University of Guatemala, with the technical assistance of the CELA-Proyecto Red de Centros de Transferencia de Centros de Tecnología en Europa y América Latina-Guatemala, thanks to the support of the Alfa III Program of the European Union.

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**EUROPE AND LATIN AMERICA CONFERENCE ON CLIMATE CHANGE MANAGEMENT  
ELAC3m**

Antigua, Guatemala, Central America, 29<sup>th</sup>-30<sup>th</sup> August 2013

**REGISTRATION FORM**

1. Surname: \_\_\_\_\_
2. First Name: \_\_\_\_\_
3. Title (Prof. Dr., Mr., Ms., etc): \_\_\_\_\_
4. Institution: \_\_\_\_\_
5. Address: \_\_\_\_\_
6. Telephone (please include national and local code): \_\_\_\_\_
7. Fax (please include national and local code): \_\_\_\_\_
8. E-mail: \_\_\_\_\_
9. You intend to participate by means of:  
 Presentation  Display  Both  Just participation
10. Session chosen (please tick)
  - Session 1:** “State of the arts” with regard to the approach explaining how universities, business, government and civil society in general, approach the subject of climate change. The session will concentrate on particular groups as such independent of other sectors.
  - Session 2:** Innovations in the collaboration of universities, business, government and civil society in general, Implementing climate change research and technology applications. The session will concentrate on intersections of two or more groups belonging to different sectors
  - Session 3:** Modernization on Climate Change and sustainability in the university campus.
  - Session 4:** Climate change projects.
11. Title of presentation: \_\_\_\_\_
12. Title of display: \_\_\_\_\_
13. Do you need a visa to enter the Republic of Guatemala  Yes  No
14. Do you have any dietary requirements?  Yes  No





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### /// ABSTRACT SAMPLE

## NETWORKING AND TECHNOLOGY TRANSFER ON CLIMATE CHANGE: THE INTERNATIONAL CLIMATE CHANGE INFORMATION PROGRAMME

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### Abstract

The last ten years have seen a particularly intense increase in the degree of emphasis to climate issues as a whole and in the level of attention paid to climate change in particular. Finding practical, workable and cost-efficient solutions to the problems posed by Climate Change is now a world priority and one which links government and non-government organisations as well as the general public in a way not seen before. But even though climate change is a matter of great scientific relevance and of broad general interest, there are many problems related to its communication.

The understanding about the causes, consequences and means to tackle climate change is one of the most important challenges of modern times. Without a holistic understanding of the problem and its various ramifications, there can be no effective handling of the problem, nor can long-term solutions be sought. This paper outlines the need for better information, networking and technology transfer on climate change. It describes the International Climate Change Information Programme (IICIP), as well as its activities and projects, which ultimately aim to support the on-going efforts towards the search for solutions for the problems associated with climate change, an issue which is global in nature, but which needs to be supported by concrete regional and local efforts.

### Keywords

Climate change adaptation- management- technology transfer- education- awareness-raising

