



***European Universities for a Clean Energy Future:
Interdisciplinary Education, Training and Research***

Energy Clustering Event

#EUAenergy

21-22 March 2018

Hosted by Université de Lorraine

Présidence Building, Amphithéâtre de la Présidence Léopold (level 0)

34 cours Léopold, 54000 Nancy

PRELIMINARY PROGRAMME

WEDNESDAY, 21 MARCH 2018

12.00-13.00 **Registration and Light Lunch**

13.00-13.15 **Welcome Addresses**

- Prof. Pierre Mutzenhardt, Rector, University of Lorraine; President of Research Commission of CPU
 - Prof. Torbjørn Digernes, Chair of the EUA Energy and Environment Platform; former Rector, Norwegian University of Science and Technology
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13.15-13.45 **Setting the scene**

- Dr Frédéric Ravel, Scientific Director of the Sector Energy, Sustainable Development, Chemistry and Processes; Ministry for Higher Education, Research and Innovation
 - Prof. Fabrice Lemoine, Energies for the future, Lorraine Université d'Excellence
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13.45-14.15 Partnering to deliver: Interdisciplinary Education, Training and Research programmes

This plenary will introduce the conference and will address opportunities for building partnerships in order to deliver new interdisciplinary education and research programmes. Insights from innovative practices in industry-education collaboration will be presented (Part I). The session will also include the presentation of the [report](#) “Energy Transition and the Future of Energy Research, Innovation and Education: An Action Agenda for European Universities”, a strategic document arisen from the work of the [UNI-SET](#) project (Part II). The report “Action Agenda” aims to provide a framework for universities across Europe to take initiative and develop interdisciplinary cooperation to promote the innovative research and education required to overcome the energy and environmental challenges.

(Part I)**Introduction to the event objectives**

- Prof. Torbjørn Digernes, Chair of the EUA Energy and Environment Platform; former Rector, Norwegian University of Science and Technology
- Dr Lidia Borrell-Damian, Director for Research & Innovation, European University Association

Insights from innovative practices in industry-education collaboration

- Prof. Josep Bordonau, Universitat Politècnica de Catalunya; MSc School Director, EIT InnoEnergy
- Prof. Juan Jesús Pérez, Vice-Rector for International Policy, Universitat Politècnica de Catalunya

14.15-14.45 Coffee break

14.45-15.30 Partnering to deliver: Interdisciplinary Education, Training and Research programmes**(Part II)****Insights from the “Action Agenda” report**

- Dr Douglas Halliday, Durham Energy Institute, Durham University
- Prof. Fabrice Lemoine, Energies for the future, Lorraine Université d'Excellence Programme
- Prof. Mihaela Albu, Politehnica University of Bucharest
- Dr Wim Melis, Greenwich University

15.30-17.30 Parallel Sessions: Partnerships and key challenges of emerging European clusters to take forward the “Action Agenda”

In these parallel sessions, university and industry leaders will be given the floor to share good practices and future opportunities to reform research and education programmes. The main objective is to facilitate mutual learning and exchange through presentations on projects and activities with an innovative approach to education, training and research. Preference will be given to activities with an interdisciplinary and/or collaborative approach.

Moderators of sessions will invite the speakers and the audience to reflect on the implementation of the actions proposed in the “Action Agenda”. Some of the questions addressed will be: How cooperation with third parties and research on new topics can feed education programmes? How this can translate into a quick and flexible production and delivery of these programmes to respond to new and urgent market demands?

Participants will also be invited to reflect on the ambition to link research, innovation and education policy at EU level, namely in H2020 and FP9.

1) Energy Efficiency

Room: Salle du Conseil (level -1)

- Dr Jay Sterling Gregg, Technical University of Denmark; EERA JP “Economic, environmental and social impacts”
- Dr Sjoerd de Vries, University of Twente
- Prof. Vincent Chevrier, Computer Science Lab, University of Lorraine

Moderator: Prof. Fabrice Lemoine, Energies for the future, Lorraine Université d'Excellence

Rapporteur: Dr Wim Melis, Greenwich University

2) Renewable Integration and Energy Storage

Room: Amphithéâtre de la Présidence Léopold (level 0)

- Dr Kristin Guldbrandsen Frøysa, University of Bergen
- Prof. Carlos Del Cañizo, University Politehnica of Madrid
- Prof. Michel Deshaies, Geography Lab, University of Lorraine

Moderator: Dr Douglas Halliday, Durham University

Rapporteur: Ms Kamila Kozirog, EUA

3) Smart and Flexible Energy Systems

Room: Pavillon 1 (level 1)

- Prof. Annukka Jokipii, University of Vaasa
- Prof. Kjetil Uhlen, NTNU
- Prof. Frank Eliassen, University of Oslo
- Prof. Jérôme Dinet, Psychology Lab, University of Lorraine

Moderator: Prof. Mihaela Albu, Politehnica University of Bucharest

Rapporteur: Ms Borana Taraj, EUA

4) Carbon Capture, Utilisation and Storage

Room: Pavillon 2 (level 2)

- Prof. Hanna Knuutila, NTNU
- Mr David Nevicato, Total
- Dr Pawel Gladysz, Silesian University of Technology
- Prof. Eric Favre, Process Engineering Lab, University of Lorraine

Moderator: Prof. Xavier Gimenez, University of Barcelona

Rapporteur: Dr Andrzej Adamski, Jagiellonian University

19.30-22.00 Dinner

Grand Hotel de la Reine

2 Place Stanislas, 54000 Nancy, France

THURSDAY, 22 MARCH 2018

8.30-9.00 **Registration**

9.00-9.30 **Plenary Session: Reporting of the parallel sessions on Day 1**

- Session moderators/rapporteurs
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09.30-10.30 **Plenary Session: Developing multidisciplinary master and doctoral programmes**

The main objective of this plenary session is to test the innovative ideas discussed in the “Action Agenda” report. Experienced plenary speakers from universities and industry will present concrete institutional examples. The plenary session frames the discussions in the subsequent World Café session on “Delivering new and innovative research and education programmes”.

- Prof. João Serra, University of Lisbon
- Dr Isabelle Schuster, PhD School programme director; InnoEnergy
- Mr. Gérard Griffay, Energy Program & Free Innovation Program Leader, Arcelor-Mittal

Moderator: Prof. Fabrice Lemoine, Energies for the future, Lorraine Université d'Excellence

10.30-11.00 **Coffee break**

11.00-13.00 **World Café Method: Delivering new and innovative research and education programmes**

The main objective of this session is to test the ideas for the main topics addressed in Day 1. The session will take the form of workshop discussions. Participants will split into 5 to 6 small and informal working groups. The session is structured in two parts of 30 minutes each. Each group will have one moderator and one rapporteur. The moderators will invite the participants to brainstorm on selected questions. Subsequently, the moderators and the rapporteurs will summarise the main ideas emerged during the discussions and present them in a concluding plenary session.

11.00-11.15

Introduction about the World Café Method by the host

11:15-12:15

World Café Session

Part 1) Frameworks and barriers for the development of education and research programmes

The session will address the institutional dimension as well as opportunities and challenges at European, national or local level (e.g. barriers within and outside university boundaries; building positive partnerships; accreditation etc.).

Part 2) Tools and mechanisms to deliver innovative education and research programmes

The session will test ideas for concrete tools in delivering the programmes (e.g. stackable/micro masters; lifelong learning etc.).

12.15-13.00

Summary of sessions – Key messages from session moderators and/or rapporteurs

13.00-13.15 **Closing Remarks**

13.15-14.00 **Light Lunch**
