



MOBILISING THE RESEARCH, INNOVATION AND EDUCATIONAL CAPACITIES OF EUROPE'S UNIVERSITIES IN THE SET-PLAN



5th UNI-SET Energy Clustering Event

***“Universities in the Energy Transition:
Science & Skills for Renewables Integration”***

#UNISSET2017BE

Hosted by
KU Leuven, Belgium
31 May – 2 June 2017
Preliminary Schedule

Wednesday, 31 May 2017

19.00-19.30	Registration
19.30-21.00	Welcome Reception Jubileumzaal, Universiteitshal Naamsestraat 22, 3000 Leuven

Thursday, 1 June 2017

8.30-9.00	Registration
9.00-9.30	Welcome Addresses
9.30-10.30	Keynotes
10.30-11.00	Coffee break
11.00-11.30	Plenary <i>Introduction to UNI-SET and the Conference Objectives</i>
11.30-12.30	Plenary session <i>Setting the Scene – Overviews from Universities’ Perspectives</i>
12.30-13.30	Lunch

13.30-15.00	<p>Parallel Sessions <i>Good Practices in Multidisciplinary Research, Innovation and Education</i></p> <p>In the parallel sessions, speakers will have the opportunity to present good practices and case studies of innovative, multidisciplinary and collaborative research or education actions in relation to renewables technology and renewables integration or institutional energy initiatives cutting across the activities of different departments, faculties or centres dedicated to energy.</p> <p>Please see the Call for Contributions to submit a proposal for a presentation in one of the parallel sessions.</p> <ul style="list-style-type: none"> • <i>Topic 1: Universities in Local Initiatives for Renewables Integration</i> • <i>Topic 2: Grid interconnection at the regional and international level</i> • <i>Topic 3: Demand response, smart grids & metering, consumers</i> • <i>Topic 4: ICT, Big Data and Digital Solutions for Renewables</i> • <i>Topic 5: Education, Training and Skills for the Renewables Sector</i> • <i>Topic 6: Research & Training for Energy Storage Solutions</i>
15.00-15.30	Coffee break
15.30-16.30	<p>Plenary <i>Funding Instruments, Programmes and Platforms</i></p>
16.30-17.45	<p>Clustering Sessions <i>Going Carbon Neutral through Renewables</i></p> <p><i>Session 1: The Economics of Renewables Integration</i></p> <p>The successful expansion of renewables capacity and their integration into the electricity system strongly depends on the economic outlook and feasibility of renewable energy. This will not just require multidisciplinary research into the interplay between energy systems and markets, but also the training of a new generation of professionals with a sound understanding of the underlying mechanisms.</p> <p><i>Session 2: Social and Environmental Perspectives</i></p> <p>The success of renewables also relies on the public support of wind parks, transmission lines and other physical infrastructures, as well as the backing for energy policies affecting energy prices, changes affecting the labour force or jobs, and the environmental impact of renewables. This session therefore looks into the dynamics between the social, technological and environmental sphere, and the role of research, education and universities.</p> <p><i>Session 3: Renewables & regulatory context</i></p> <p>Regulation of renewables will play a major role in advancing clean and renewable energy. Given the nature of renewable generation, many different actors will be involved. Planning the expansion of renewables and the respective policies and regulations is a multidisciplinary exercise and therefore highly dependent on science outcomes and professionals understanding the technical and social implications.</p>

20.00-22:30	Dinner (tbc) De Hoorn Sluisstraat 79 3000 Leuven
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Friday, 2 June 2017

9.00-9.30	Plenary Session - Reporting of Day 1
9.30-10.45	<p>Outlook Sessions <i>Supporting Renewables Integration through Research & Education</i></p> <p>Session 1: Renewables and the Energy Resources Mix</p> <p>An increased use of renewable energy inevitably effects the energy resources mix. With the overall goal of significantly reducing greenhouse gas emissions, a systemic perspective is required to assess the impact and trajectories of expanding the use of renewable energy sources. What does this mean for research, education and cooperation?</p> <p>Session 2: System integration of sustainable technologies</p> <p>Large and small-scale system integration of sustainable technologies, including renewable energy, is a multidisciplinary challenge and requires research, innovation and knowledge from a variety of professional and scientific backgrounds. This session aims to facilitate a dialogue about the future research and training needs in this domain.</p> <p>Session 3: ICT and Big Data for Renewables Integration</p> <p>The importance of big data, ICT technologies and IoT applications is likely to increase with the deployment of more decentralised renewable energy capacity, energy storage and smart solutions for energy consumers. This session will discuss how this emerging trend is or should be reflected in multidisciplinary research and training of future professionals in the energy sector.</p>
10.45-11.15	Coffee Break
11.15-11.30	Plenary - Reporting of Day 2
11.30-13.00	Panel Discussion <i>Consumers, (Open) Science, and Renewable Energy – How to Engage?</i>
13.00-13.15	Closing Ceremony
13.15-14:00	Farewell Lunch