

## INTEGRATED ENERGY AND EDUCATION IN MEDITERRANEAN UNIVERSITIES

Beirut, 13<sup>th</sup>-14<sup>th</sup> September 2018

Michel & Sherine Bayoud Lecture Hall - Faculty of Agricultural & Food Sciences  
American University of Beirut

### Thursday – September 13, 2018

#### Opening Session

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| 10:00 – 10:05 | • Yaser Abunnasr   AUB, Department of Landscape Design and Ecosystem Management |
| 10:05 – 10:10 | • Mohamed Harajli   AUB, Provost  |
| 10:10 – 10:15 | • Rabi Mohtar   AUB, Dean of Faculty of Agricultural and Food Sciences          |
| 10:15 – 10:20 | • José-Luis Vinuesa   EU, Head of Section - Economy & Local Development         |
| 10:20 – 10:25 | • Aref Alsoufi   Erasmus+, National Office Coordinator                          |
| 10:25 – 10:30 | • Anna Laura Palazzo   Università Roma Tre, ENEPLAN Project Lead Partner        |

#### Panel 1: Legal Background & State of the Energy in Lebanon | Moderator: Yaser Abunnasr

This panel aims to set the background for regulations of renewable energy in Lebanon, taking into account the roles of governmental institutions and the private sector.

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| 10:30 – 10:50 | • The Development of Renewable Energy Projects in Lebanon: National Targets and Way Forward - Pierre el Khoury   LCEC  |
| 10:50 – 11:10 | • 'Independent Regulator' or 'Regulation by Contract' for the Lebanese Electricity Generation Sector? A Call for Local Research and Dialogue - Hassan Harajli   UNDP |
| 11:10 – 11:30 | • Q&A  |

11:30 – 12:00 *Coffee break (Served by AUB)*

#### Keynote 1: Facing Energy Transition in Mediterranean Landscapes

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| 12.00 - 12.30 | • Anna Laura Palazzo   Università Roma Tre |
| 12.30 - 12.45 | • Q&A                                      |

#### Panel 2: International Case Studies - ENEPLAN Partners | Moderator: Walid el Khattam

Each country of the ENEPLAN consortium will be represented by one local case study covering the themes of integrated energy planning and education. These presentations will allow drawing parallels and/or contrasts between MENA and Europe in terms of energy practices and regulations.

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| 12:45 – 13:00 | • Carbon accounting explained to drive renewable energy transition and decarbonisation of Mediterranean cities - Riccardo Pulselli   UNISI, Italy   |
| 13:00 – 13:15 | • SEAP to SECAPS: A new opportunity for integrated energy planning in Andalusian Local Authorities - Josefina Lopez Galdeano   UPO, Spain           |
| 13:15 – 13:30 | • Implementing the Energy Performance of Buildings Directive in Portugal (EPBD) – Energy Performance Certificates - António Mortal   UAAl, Portugal |
| 13:30 – 13:45 | • Q&A   |

13.45 – 14.45 *Lunch break - Finger Food (Served by AUB)*

#### Panel 2 (cont.): International Case Studies - ENEPLAN Partners | Moderator: Nathalie Bassil

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| 14:45 – 15:05 | • King Abdullah II initiative for heating public schools - Ahmed Al-Salaymeh & Qatada Damra   JUST & UJ, Jordan  |
| 15:05 – 15:25 | • Building Capacities for Energy Sector - Hoda Soussa   ASU, Egypt   |
| 15:25 – 15:45 | • The Bachelor of Science in Energy and Environmental Management at the Valletta Higher Education Institute: a new educational experience in Malta - Jesmond Xuereb   MIEMA, Malta |
| 15:45 – 16:00 | • Q&A  |

## Friday – September 14, 2018

### Keynote 2: Promoting Renewable Energy in Lebanon and ESCWA Countries

- 10.00 - 10.30 • Rabi Mohtar | American University of Beirut
- 10.30 - 10.45 • Q&A

### Panel 3: Energy in Lebanon - Teaching & Research | Moderator: Farid Aboul-Ela

This panel presents work being done in academia at the American University of Beirut, the University of Balamand & the Lebanese University in relation to the project/conference theme. Presentations from these different institutions/departments will pave the way for further integration between research, policy and education in the field of energy planning.

- 10:45 – 11:05 • Energy Education and Research and the Role of the Masri Institute - Nesreene Ghaddar | Energy Studies & Masri Institute, American University of Beirut
- 11:05 – 11:25 • A Resource Not To Be Wasted - Energy and Nutrients in Wastewater - Nadim Farajalla & Rana el Hajj | Climate Change & the Environment Program, Issam Fares Institute-AUB
- 11:25 – 11:45 • Sustainable Action for Bioenergy Production in Koura (SABioP) - Sabine Saba | Institute of the Environment, University of Balamand
- 11:45 – 12:05 • The myth of energy security: Stories from Lebanon and the region - Ali Ahmad | Energy Policy & Security In The Middle East Program, Issam Fares Institute-AUB
- 12:05 – 12:25 • Renewable energy integration into curricula at the Lebanese University – Joseph Dgheim | Lebanese University
- 12:25 – 13:00 • Q&A

13:00 – 14:00 *Lunch break – Finger Food (Served by AUB)*

### Panel 4: Energy in Lebanon – Practice, Impacts & Assessment | Moderator: Nicoletta Patrizi

The panel presents local case studies of integrated energy planning projects whereby impact assessment has been taken into consideration. Such assessments include life cycle analysis, environmental aspects as well as social and economic considerations. These analyses are done in relation to the local regulatory framework, but also EU and other international guidelines and requirements. Speakers will cover work with both the private and public sectors.

- 14:00 – 14:20 • Integrated Approach to Renewable and Alternative Energy Management: Aeolian and WtE case studies - Raji Maasri | MORES
- 14:20 – 14:40 • Strategic Environmental Assessment of Lebanon's Renewable Energy Sector - Ricardo Khoury | ELARD
- 14:40 – 15:00 • Q&A

15:00 – 15:20 *Coffee Break (Served by AUB)*

### Panel 5: ENEPLAN & Concept mapping: Project Results | Moderator: Yaser Abunnasr

After three years of work, project results and outputs will be presented and discussed in order to suggest main recommendations, increase dissemination opportunities and promote sustainability of the project.

- 15:20 – 15:35 • Interdisciplinary learning through concept mapping: lessons learnt from the ENEPLAN experience – Flavio Camerata | Università Roma Tre
- 15:35 – 15:50 • AUB Students' experience with ENEPLAN – Marwa Darazi | American University of Beirut
- 15:50 – 16:30 • Project Results: Open educational resources & other ENEPLAN outputs - Federica Benelli & Federica di Pietrantonio | Università Roma Tre & MIEMA
- 16:30 – 16:50 • Q&A
- 16:50 – 17:00 • Conference Closure & Recommendations