

# ESEIA Lecture Series

## *Sustainable Energy Innovation Systems for Climate Neutrality*

The 5<sup>th</sup> Lecture

### Water-Energy-Food-Ecosystems in Sustainable Communities in the EU and Africa

22 June 2023, 19:00 – 21:00

Aula, Rechbauerstraße 12, TU Graz



### Invitation

[European Sustainable Energy Innovation Alliance - ESEIA](#) cordially invites you to attend the **fifth** in a series of ESEIA international lectures entitled **Sustainable Energy Innovation Systems for Climate Neutrality**.

The fifth lecture, on **Water-Energy-Food-Ecosystems in Sustainable Communities in the EU and Africa** will be delivered at Aula, TU Graz, **22 June 2023, 19.00 – 21.00 CET**.

Guest lecture: **Fadi Comair** (short CV on the bottom of the page), The Cyprus Institute, Cyprus  
 Response 1: **Sylvain Migan**, Director General of Hydraulic Resources of the Benin and Advisor of the President (remotely)

Response 2: **Thomas Schauppenlehner**, University of Natural Resources and Life Sciences, Vienna  
 Chair: **Daniela Fuchs-Hanusch**, Urban Water Management and Landscape Water Engineering, TU Graz

*Climate change and growing populations are placing additional pressure on the availability of food, energy and water especially in the Mediterranean parts of Europe and particularly in Africa, accompanied by an increased environmental footprint. The [Water, Energy, Food, Ecosystems Nexus](#) approach is key to ensuring resilient, circular and green economies and to achieving [Sustainable Development Goals](#). Our guest lecturer will address these challenges and explain how a range of stakeholders across countries need to be engaged. He will also explain how science diplomacy can advance co-development in the EU and in African communities using the example of the EU funded project [WEFE4MED](#). Our first respondent from Africa will explain the case of the West African Republic of Benin (French: République du Bénin). The second respondent from BOKU will present a novel assessment tool for local-global WEFE interactions (Glocull project).*

**Join us for this exceptional lecture!** We invite you to [register](#) for onsite or online participation **before 20 June**.

More information about ESEIA Lecture Series is available at [ESEIA Lecture Series Web page](#).

If you have any question, please contact ESEIA Team : [office@eseia.eu](mailto:office@eseia.eu)

We look forward to your participation.

Best regards,

Brigitte Hasewend  
 ESEIA Director

Harald Kainz  
 Rector TU Graz and ESEIA President



**Fadi Comair** is a professor of applied hydrology, Integrated Water Resource Management (IWRM), and infrastructure and is currently the Director of EEWRC (Energy, Environment, Water and Research Centre) of the Cyprus Institute. He has been the Chairperson of the UNESCO Intergovernmental Hydrological Programme (IHP) since 2019. He is the founder of the Water-Energy Environment Research Center (WEERC) at Notre Dame University. He also contributed to the design and execution of several projects in the field of water management and hydraulic engineering infrastructure.

## ESEIA LECTURE SERIES

### Connect, share knowledge and discuss the way forward toward a climate-neutral future.

If we want to achieve climate neutrality by 2050, we must strengthen the understanding of the challenges we face and the interdisciplinary interactions involved in engineering a successful transformation process.

Join us at the upcoming events for an opportunity to engage with leading minds from science, education and training, business, politics, media, and civil society who will share their perspectives on this topic.

You will be able to:

- Explore paths to a carbon-neutral energy system;
- Discuss the challenges and opportunities for sustainable innovation in Europe today;
- Contribute to increasing awareness of the role, everybody must play in climate change mitigation.

## Key Information

### Aim

The EU is at the forefront of the global energy transformation, but while it has made great strides in reducing GHG emissions, it still has much work to do to achieve climate neutrality by 2050. The new ESEIA Lecture Series aims to improve the understanding of how different societal actors can mutually influence and support each other in tackling climate change and creating a sustainable future. To do that, it will provide a platform for intensive open debate among all the attendees.

### Format

The lectures will be delivered in English in a hybrid format – in person with live streaming. Each session will feature a panel of three speakers, who will present the topic and their perspectives and encourage contributions from the floor.

## Upcoming ESEIA Lecture Series 2023 Autumn

- **6<sup>th</sup> Lecture:** 21 Sep. 2023, afternoon (tbc), Inffeldgasse 25D, TU Graz, **Circular BioEconomy: On the way to climate-neutrality using Bio-based Materials**, ESEIA Round Table @ EPNOE conference
- **7<sup>th</sup> Lecture:** 21 Sep. 2023, 19.00 -21.00, Aula, TU Graz, **De-Fossilization of Industry and Mobility: How can it work?**, Lecture by **Georg Brasseur**, TU Graz

### Topics

- Smart energy systems for a sustainable future
- Decarbonisation of Energy-Intensive Industries (EII)
- New European Bauhaus: sustainable aesthetics in the built environment
- Sustainable mobility for urban resilience
- The social aspects of the energy transition

### Target audience

This series of lectures is for everyone with existing knowledge or interest in the topic (European SMEs, local and regional governments, researchers from HEIs and ROs, post-graduate students, etc.)

### Venue

Graz University of Technology, in Graz, Austria

For more information, please visit: [www.eseia.eu](http://www.eseia.eu)

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