

# UK – Romania – Bulgaria Renewable Energy Conference

17 January 2023

10:00-16:30 EET / 8:00 – 14:30 GMT

Venue: The Club, Cluj-Napoca, Romania  
(hybrid event)



## ABOUT THE CONFERENCE

UK Science and Innovation Network in Bulgaria and Romania invites you to a hybrid conference on the role of hydrogen and energy from waste in energy transition. We will showcase the UK's strategies, S&I and business capability, as well as regional efforts and needs for collaboration.

The main step towards energy transition and the creation of a carbon-neutral society is the implementation of renewable energy sources as replacements for fossil fuels. As various scientists are stressing the gravity of climate change effects that are reaching the physical environment, ecosystems, and humanity in general, concern for the future is becoming the main global topic. Hydrogen technologies are recognised to be the most promising choice. Multiple applications are studied but their current deployment is not yet on the large-scale implementation level. The utilisation of hydrogen's immense ecological potential is to be expected in the next two decades. New innovative solutions concerning hydrogen production, storage, distribution and usage are permeating all industry sectors. Increasing progress in hydrogen technology instigated nations to incorporate hydrogen in their energy legislations and national development plans, which resulted in numerous national hydrogen/decarbonisation strategies.

The UK's geography, geology, infrastructure, innovation and expertise make it well suited to

## AGENDA

**10:00-** *Introduction*, Dr Emilia Pecheva, SIN officer for Bulgaria and Romania, British Embassy Bucharest

**10:05-** *Welcome speech*, Mr Andrew Noble, British Ambassador to Romania

**10:15-** *National Decarbonisation Strategies and legislation: key points and challenges*

- Caroline Burleigh and Deborah Sacks, Department for International Trade, UK

rapidly developing a low carbon hydrogen economy, with secure economic opportunities.

Another pathway to energy transition is waste to energy, which will contribute to decarbonising cities through local based solutions on renewable energy. It will also create green jobs through circular economy and contribute to a better quality of life by improving air quality in cities and regions.

During this conference experts from the UK government, academic and business fields will share the recent developments in legislation and technology around UK's emerging decarbonisation economy with their counterparts in Bulgaria and Romania.

**We aim to explore local priorities, gaps, and opportunities for collaboration with the UK, as well as project funding through Horizon Europe or beyond.**

## REGISTRATION

This hybrid conference will be delivered in English and no translation will be provided. Participation is free. For registration as audience please email at [Monika.Rangelova@fcdo.gov.uk](mailto:Monika.Rangelova@fcdo.gov.uk)

**Joining link:** [Click here to join the meeting](#)

- Daria Vladikova, Institute of Electrochemistry and Energy Systems, Bulgaria
- Ovidiu Cimpean, Ministry of Investment and EU Projects, Romania

**10:45-** *Coffee break*  
**11:00**

**11:00-** *Hydrogen production for various applications, hydrogen storage and deployment (part 1)*. Moderator: Prof Bogdan Varga (Romania)

- John Darby, Element Energy, UK, "An introduction to Element Energy / ERM"

- Andrea Trevisan, Intelligent Energy, UK, “Hydrogen fuel cell for a clean future”
- Nigel Holmes, Scottish Hydrogen and Fuel Cell Association, Scotland, “Scaling Up the Hydrogen Economy across Scotland”
- Bogdan Varga, Autoclaims Expert & Technical University Cluj, Romania, “Hydrogen production, storage and deployment in Cluj-Napoca”
- Rumen Radev, Holding Zagora, Bulgaria, “Hydrogen valley Stara Zagora”
- Discussion, Q&A

**12:30-** *Lunch break*

**13:30**

**13:30-** *Hydrogen production, storage and deployment (part 2)*. Moderator: Prof Daria Vladikova (Bulgaria)

**14:30**

- Chris Beck, Tees Valley Combined Authority, Hydrogen valley, Teesside, UK, “Decarbonising the Tees Valley Industrial Cluster”
- Dr Blagoy Burdin, Institute of Electrochemistry and Energy Systems, Bulgaria, “Retrofitting as a step towards national expertise in hydrogen mobility”
- Robert Steinberger-Wilckens, University of Birmingham, UK, “Skilling, up-skilling

and re-skilling in hydrogen and fuel cell technologies”

- Discussion, Q&A

**14:30-** *Comfort break*

**14:45**

**14:45-** *Energy production from waste, applications, storage and deployment*. Moderator Dr Delia Dimitriu (UK)

**16:15**

- Callum Thomas, UK, “Waste to energy: an overview - drivers for action, opportunities and challenges”
- Andrew Cornell, ABSL, UK, “Biohydrogen from waste using ABSL’s RadGas technology”
- James Hygate, Green Fuels, UK, “A good home for sewage: sustainable aviation fuel”
- Jason Henry, Igneous Solutions, UK, “Waste to energy - energy with benefits”
- Nicoleta Gliguta, MABECO Srl., Romania “Assessing challenges and opportunities on waste management in Cluj County ”
- Mariya Domuzova, Sofia Municipality, Bulgaria, “Energy production from waste in Sofia Municipality”
- Discussion, Q&A

**16:15-** *Summary and Closing*

**16:30**