

## Programme

**Tuesday 15<sup>th</sup> September 2020, 14:00 – 15:30**

Session 2 – Scenarios and knowledge databases for decarbonisation pathways in Europe

<b>WORKSHOP: SCENARIOS AND KNOWLEDGE DATABASES FOR DECARBONISATION PATHWAYS IN EUROPE</b> <b>14:00-15:30</b> MODERATOR: LARA ALELUIA SPEAKERS: LARA ALELUIA, CHRISTIAN BAUER, DANIEL HUPPMANN	
TIME	TOPIC
14:00 – 14:10	Welcome and introduction to the session
<b>14:10 – 14:50</b>	<b>Part 1 – Introduction to the DEEDS Tools</b>
14:10 – 14:20	The DEEDS Tools, and how they can be used by other projects <i>Lara Aleluia, FEEM</i>
14:20 – 14:35	Presentation of the Databases <i>Christian Bauer, PSI</i>
14:45 – 14:50	Q&A <i>Lara Aleluia, Christian Bauer, Daniel Huppmann</i>
<b>14:50 – 15:30</b>	<b>Part 2 – Using the DEEDS Database</b>
14:50 – 15:15	DEEDS Scenario Explorer and related tools hosted by IIASA <i>Dr Daniel Huppmann IIASA</i>
15:15 – 15:30	Panel discussion and Q&A <i>Lara Aleluia, Christian Bauer, Daniel Huppmann</i>

ONLINE SESSION

## Speakers and Presenters: Scenario's and knowledge databases for decarbonisation pathways in Europe



**Lara Aleluia, Junior Scientist, EIEE and FEEM**

Lara is a junior scientist at EIEE. She holds PhD in engineering sciences from the University of Luxembourg (2013) and a master's in environmental engineering from the New University of Lisbon (2008). During her doctoral studies she has developed a reduced air quality model for an integrated assessment model for air pollution policy. In the context of her PhD studies, she has worked at the Laboratory of Atmospheric Physics of the University of Thessaloniki, Greece, as a guest student. She developed an air quality impact module for the WITCH integrated assessment model. She is particularly interested in climate change, integrated assessment approaches, environmental statistics, energy policy, environmental economics, and air pollution and its connections with meteorology and climate.

**Christian Bauer (MSc), Scientist, PSI**



Christian Bauer works as senior scientist at PSI. He joined the Laboratory for Energy Systems Analysis in 2003 after receiving his MSc in environmental sciences from the University of Graz, Austria. His research focuses on Life Cycle Assessment (LCA) and sustainability of energy supply and use – synthetic fuels, electricity generation and storage as well as mobility – and the link between energy system modeling and LCA. He is leading the LCA activities of the research group and is member of the board of theecoinvent association, which operates the leading LCA database worldwide. Currently, he acts as PSI's PI in the ERANET ACT project ELEGANCY and the H2020 project ROBINSON, and in the national SCCERs for "Heat and Electricity storage" and "Efficient Technologies and Systems for Mobility".



**Dr Daniel Huppmann, Research Scholar, IIASA**

Dr Huppmann was an author of the 2018 IPCC Special Report on Global Warming of 1.5 °C (SR15). In parallel to his contribution to the IPCC, Dr Huppmann was the lead developer of the energy system and integrated assessment framework MESSAGEix, an open-source platform for integrated and cross-cutting modeling. This system underpins the MESSAGEix-GLOBIOM Integrated Assessment Model, which is used as the core modeling tool at the Energy Program to explore national and global transformation strategies in the context of climate change and their linkages to a range of sustainable development objectives. Before joining the IIASA Energy Program in October 2015, Dr Huppmann was awarded a Postdoctoral Fellowship at The Johns Hopkins University, Baltimore, and worked in the Civil Engineering Department. During this time, he was also affiliated as a Visiting Fellow at the think-tank Resources for the Future (RFF), Washington D.C. Before his research sojourn in the US, he worked at the Department of Energy-Transportation-Environment at the German Institute for Economic Research (DIW Berlin), Germany. Dr Huppmann graduated with a doctorate in economics from Technical University Berlin after successfully completing the structured PhD program at DIW Berlin, defending his dissertation summa cum laude in June 2014. He also studied Mathematics at the Vienna University of Technology, where he earned an MSc degree in 2010.