



TECHNISCHE UNIVERSITÄT  
BERGAKADEMIE FREIBERG

Die Ressourcenuniversität. Seit 1765.



## Programme

**Scientific Workshop:**

**“Decarbonizing Energy Systems – Technological and Policy Challenges in Addressing Multiple Benefits”**

11 – 12 January 2023

Forschungszentrum Jülich

### **Contact information:**

**Dr. Stefan Vögele**

Institut für Energie- und Klimaforschung

Systemforschung und Technologische Entwicklung (IEK-STE)

Forschungszentrum Jülich GmbH

52425 Jülich

Telefon: +49 2461 61-3393

E-Mail: [s.voegele@fz-juelich.de](mailto:s.voegele@fz-juelich.de)



January 11, 2023	
9:15 – 9:30	<b>Welcome</b> Dr. Stefan Vögele, Forschungszentrum Jülich
9:30 – 10:00	<b>Primary and Ancillary Benefits: An Introduction</b> Prof. Dr. Dirk Rübbecke, TU Bergakademie Freiberg and Ruhr Universität Bochum
10:00 – 10:30	<i>Coffee break</i>
10:30 – 11:15	<b>The Potential of Co-Benefits in Decarbonizing the Energy System: An Opportunity for Environmental and Social Justice</b> Dr. Rita V. D'Oliveira Bouman, Norwegian University of Science and Technology
11:15 – 12:00	<b>Impure Public Goods and Aggregative Games</b> Prof. Dr. Wolfgang Buchholz, University of Regensburg and CESifo Munich
12:00 – 13:15	<i>Lunch break</i>
13:15 – 14:00	<b>Impacts of Energy Policy on the Coal Region “Rheinisches Revier”</b> Dr. Kuckshinrichs, Forschungszentrum Jülich
14:00 – 14:45	<b>Energy Transition in Asia: A Political Economy Perspective</b> Prof. Deepak Sharma, Asian Institute of Technology
14:45 – 15:15	<i>Coffee break</i>
15:15 – 16:00	<b>Decarbonization Policies and Innovation Effects</b> Prof. Dr. Pia Weiß, University of Nottingham
16:00 – 16:45	<b>Health Co-Benefits of Decarbonization Policies</b> Prof. Anil Markandya, BC3 Bilbao and University of Bath
16:45 - 17:15	<i>Discussion</i>
17:30 - 20:00	<i>Dinner</i>
January 12, 2023	
09:15 – 10:00	<b>Multi-criteria Decision Analysis: Assessment of Benefits from Actors' Perspective</b> Dr. Stefan Vögele, Forschungszentrum Jülich
10:00 – 10:45	<b>Integrating Uncertainties in Decision Modeling with MCDA for Capturing Effects of Climate and Energy Policy</b> Prof. Matthias Grajewski, Fachhochschule Aachen
10:45 – 11:15	<i>Coffee break</i>
11:55 – 12:00	<i>Discussion</i>
12:00 – 12:15	<b>Conclusions</b> Dr. Stefan Vögele, Forschungszentrum Jülich
12:15 – 13:30	<i>Lunch</i>