

Programme HITEC Day

Title: Sustainable energy systems: multi-dimensional challenges and trade-offs
Date: 9 June 2022
Location: Seminar room IEK-5, Building 2.16 / online:
<https://us02web.zoom.us/j/4615421579?pwd=M0p3RXZCSGVFc1dpeDY3TjMyNERZUT09>

09.00 – 09.10	Welcome and Introduction C. Wulf (IEK-STE)
Session 1: Sustainable transition and energy system modelling for Germany	
09.10 – 9.40	The three dimensions of sustainability in regional transformation processes S. Venghaus (IEK-STE)
09.40 – 10.10	Development and application of socio-economic scenarios S. Vögele (IEK-STE)
10.10 – 10.40	Strategies for a greenhouse gas neutral energy supply by the year 2045 F. Kullmann (IEK-3)
10.40 – 11.10	Coffee Break
Session 2: Technology and fuels: Risks and financial aspects	
11.10 – 11.40	Wind energy: backbone of climate protection strategies J. Buddenberg (TU Clausthal, EWE)
11.40 – 12.10	Advantages and Disadvantages of CCU fuels from a Life Cycle Assessment Perspective S. Troy (IEK-STE)
12.10 – 12.40	Hydrogen import and the risk of supply and transport (from North Africa) A. Lahnaoui (IEK-STE)
12.40 – 13.40	Lunch Break
Session 3: Impact assessments and stakeholder preferences	
13.40 – 14.10	Energy scenarios and employment impact analysis A. Ross (IEK-STE)
14.10 – 14.40	Sustainable energy technologies? Conflicting targets and Multi-Criteria Decision Analysis C. Wulf (IEK-STE)
14:40	Close C. Wulf (IEK-STE)