

Programme HITEC Day

Title: Sustainable energy systems: multi-dimensional challenges and trade-offs
Date: 9 June 2022
Location: <https://us02web.zoom.us/j/4615421579?pwd=M0p3RXZCZC5GVFc1dpeDY3TjMyNERZUT09>

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| 09.00 – 09.10 | Welcome and Introduction W. Kuckshinrichs (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 W. Kuckshinrichs (IEK-STE) |