

# UFZ EnergyDays 2018: Energy Landscapes of Today and Tomorrow

24<sup>th</sup> and 25<sup>th</sup> of September 2018, KUBUS Leipzig

## Programme

Monday, 24 September 2018				
12:00	Registration		Foyer	
13:00	Welcome and Introduction: Daniela Thrän and Erik Gawel (UFZ)		Hall 1CD	
13:30	<b>Keynotes:</b> <ul style="list-style-type: none"> <li><b>Christina von Haaren</b>, University of Hannover: "Planning of the German Energy Transition compatible with Humans and the Environment"</li> <li><b>Michael Rodi</b>, University of Greifswald: "Governance of the German Energy Transition from a Legal Policy Perspective"</li> </ul>		Hall 1CD	
14:30	Coffee break		Foyer	
15:00	<b>Session A1</b> <b>Energy Landscapes I</b> <b>Chair: Christina von Haaren</b> <ul style="list-style-type: none"> <li>Felix Kienast, Marcel Hunziker, Anna Hersperger, Boris Salak, Ulrike Wissen, Reto Spielhofer, Nica Huber, Victor Schinazi, Tyler Thrash, Urs Steiger and Adrienne Grêt-Regamey, Swiss Federal Research Institute WSL, Birmensdorf, <i>Modeling Landscape-Related Conflicts of Renewable Energy in Switzerland</i></li> <li>Gerd Lintz, Leibniz Institute of Ecological Urban and Regional Development (IOER), Dresden, <i>Balancing Climate Protection, Renewables and Landscapes – Multilevel Politics in Saxony</i></li> <li>Sandra Sieber, RWTH Aachen University, Aachen, <i>The Potential of Landscape Development through Direct Current</i></li> </ul>	Hall 1CD	<b>Session B1</b> <b>Bioenergy</b> <b>Chair: Daniela Thrän</b> <ul style="list-style-type: none"> <li>Katja Oehmichen, Sinéad O’Keeffe, Uwe Franko, Daniela Thrän, Jaqueline Daniel-Gromke, Helmholtz-Centre for Environmental Research – UFZ, Leipzig, <i>Assessing the GHG Performance of Regional Biogas Systems Using a Life Cycle Approach</i></li> <li>Indrani Kar, Sinéad O’Keeffe, Uwe Franko, Daniela Thrän, German Biomass Research Centre (DBFZ), Leipzig, <i>Including Soil Impacts Within a Regional Life Cycle Assessment</i></li> <li>Michael Steubing, Helmholtz-Centre for Environmental Research – UFZ, Leipzig, <i>Heat Sales Potentials for Bioenergy Plants in Germany</i></li> <li>Maximilian Decker, IEK-3, Forschungszentrum Jülich GmbH, Jülich, <i>Techno- Economic Analysis of a Stand-Alone Power-to-Liquid Concept</i></li> </ul>	Hall 2AB

16:30	<b>Coffee break</b>		Foyer
17:00	<b>Session A2</b>	<b>Hall 1CD</b>	<b>Session B2</b>
	<b>Energy Landscapes II</b> <b>Chair: Felix Kienast</b> <ul style="list-style-type: none"> <li>Jens Ponitka and Sarah Böttner, German Federal Agency for Nature Conservation – BfN, Leipzig, <i>Challenges of Future Energy Landscapes – A Nature Conservation Perspective</i></li> <li>Alexandra Unger and Ulrich Scheele, University of Oldenburg, <i>Land-Use Conflicts through Climate Protection and Adaptation: Is Multifunctionality a Solution?</i></li> <li>Holger Wiechmann, EnBW Energie Baden-Württemberg AG, Karlsruhe, <i>Proposals for a New Market Design to Support Sector Coupling</i></li> </ul>		<b>Wind Power and Sustainability</b> <b>Chair: Wolfgang Köck</b> <ul style="list-style-type: none"> <li>Claudia Sutardhio and Anke Weidlich, University of Freiburg, <i>Integrated Sustainability Assessment and Optimization of Energy Systems</i></li> <li>Felix Nitsch, Johannes Schmidt, Stefan Höltinger, University of Natural Resources and Life Sciences, Vienna, Deggendorf Institute of Technology, Freyung and German Aerospace Center (DLR), Stuttgart, <i>Czech Wind Power Potential Assessment Based on Austrian/Danish Site Characteristics</i></li> <li>Janosch Henze, University of Kassel, <i>Probabilistic Spatial Upscaling and Aggregation for Power Feed-in of Wind Parks</i></li> </ul>
18:30	<b>Conference-Dinner and Get-together</b>		Foyer

Tuesday, 25 September 2018			
09:00	Session A3 Hall 1CD	Session B3 Hall 1A	Session C 09:00 – 12:30 (Coffee break included) Hall 2AB
	<p><b>Financial and Economic Aspects</b></p> <p><b>Chair: Gerd Lintz</b></p> <ul style="list-style-type: none"> <li>• Philine Wedell, Institute for Climate Protection, Energy and Mobility (IKEM), Berlin, <i>Design Options and Policy Recommendations for Community Financial Participation in the Expansion of Onshore Wind Power</i></li> <li>• Martin Lange, Helmholtz-Centre for Environmental Research – UFZ, Leipzig, <i>Large-Scale Optimization of the Spatial Allocation of Renewable Energy Plants</i></li> <li>• Radomir Pestow, Anja Zenker, Thomas Kuhn, Chemnitz, University of Technology, <i>An Axiomatic Foundation of the Ecological Footprint Index</i></li> </ul>	<p><b>Energy Justice</b></p> <p><b>Chair: Ludger Gailing</b></p> <ul style="list-style-type: none"> <li>• Sophie Kuppler and Melanie Mbah, Karlsruhe Institute of Technology, Karlsruhe, <i>Governing Energy Landscapes. The Need for a Long-Term, Place-Sensitive Perspective</i></li> <li>• Philippa Roddis, Guy Ziv, Martin Dallimer, Stephen Carver, Paul Norman, University of Leeds, <i>British Onshore Wind and Solar Farms: An Energy Justice Analysis</i></li> <li>• Thomas Vogelpohl, FernUniversität Hagen, <i>"Crop Apartheid" or "Role Model"? Perspectives of Bioenergy Sustainability Certification</i></li> <li>• Hawal Shamon, Diana Schumann, Heidi Heinrichs, Stefan Vögele, Wilhelm Kuckshinrichs, Jürgen-Friedrich Hake, Institute of Energy and Climate Research, Forschungszentrum Jülich, <i>Persuasiveness and Awareness of Arguments on Electricity Generating Technologies</i></li> </ul>	<p><b>Managing the Ecological Impacts of Wind Power Development</b></p> <p><b>Chair: Paul Lehmann</b></p> <ul style="list-style-type: none"> <li>• Katja Bunzel, Marcus Eichhorn, Jana Bovet, Helmholtz-Centre for Environmental Research – UFZ, Leipzig, <i>German Wind Power Goes into Hiding - Like Outlaws in the Forest</i></li> <li>• Philip Gauglitz and Sven Schicketanz, Fraunhofer IEE, Kassel und bosch + partner, Berlin, <i>Nature Conservation as Criteria in Wind Energy Scenarios</i></li> <li>• Marcus Eichhorn, Philip Tafarte, Frank Masurowski, Daniela Thrän, Helmholtz-Centre for Environmental Research – UFZ, Leipzig, <i>Sustainable Allocation of Wind Power in Germany - A Distance-Based Approach</i></li> <li>• Paul Lehmann, Charlotte Geiger, Jennifer Hauck, Jan-Niklas Meier, Antje Nieber, Philip Tafarte, Elisabeth Wolfram, Helmholtz-Centre for Environmental Research – UFZ, Leipzig, <i>Optimal Spatial Allocation of Wind Energy Development in Germany until 2030 - Insights from an Expert Dialogue</i></li> </ul>
10:30	Coffee Break		Foyer

11:00	Session A4  Hall 1CD	Continuation of Session C  Hall 2AB	
	<p><b>Local Energy Systems</b> <b>Chair: Thorsten Beckers</b></p> <ul style="list-style-type: none"> <li>• Diana Süsser and Jürgen Scheffran, University of Hamburg, <i>Citizen- and Community-Designed Energy Landscapes: Multifaceted Benefits, Challenges and Learnings</i></li> <li>• Karl Holtkamp, PwC Legal AG, Berlin, <i>Establishing Local Decentralized Energy Markets Using Blockchain Technology</i></li> <li>• Kai Kappner, Peter Letmathe, Philipp Weidinger, RWTH Aachen University, <i>Consumer-Oriented TCO Optimization for a Private Prosumer</i></li> <li>• Jonathan Cooper, Harper Adams University, Newport (Shropshire), <i>On-Farm Energy and Feed-In Tariffs</i></li> </ul>	<p><b>Managing the Ecological Impacts of Wind Power Development</b> <b>Chair: Paul Lehmann</b></p> <ul style="list-style-type: none"> <li>• Felix Reutter, Helmholtz-Centre for Environmental Research – UFZ, Leipzig, <i>Ecological-Economic Analysis of Instruments to Govern Future Wind Power Deployment</i></li> <li>• Wolfgang Köck, Helmholtz-Centre for Environmental Research –UFZ, Leipzig, <i>Application of Species Conservation Law for Permitting Renewable Energy Projects, Considering in Particular Wind Power Onshore</i></li> <li>• Richard Cowell, Cardiff University, Cardiff, <i>Governing Wind Energy Development through Spatial Planning: Insights from the UK</i></li> <li>• Julia Wiehe, Leibniz Universität Hannover, Hannover, <i>Implementation of the Energy Transition as a Challenge for Planning</i></li> </ul>	
12:30	Lunch (individually)		Canteen