

Day 1 – Morning

9:00	Welcome – Prof. Karin Frank , IP EnergyLandUse, UFZ Leipzig		Lecture hall 1A
9:15	Keynote Renewable Electricity Policies: Rationales, Controversies and Policy Design - Prof. Patrik Söderholm , Luleå University of Technology		Lecture hall 1A
10:00	Coffee break		Foyer
10:45 – 12:15	Lecture hall 1CD Session A1 Renewable Energy technology - Concepts and assessment Chair: Marcus Eichhorn	Lecture hall 2A Session B1 Sociology of the subterranean - Perception and framing of subsoil energy technologies Chair: A. Bleicher	Lecture hall 2B Session C1 Spatiality of energy systems – Implications from a land-use perspective Chair: F. Taubert
	L. Hirth Economic assessment of system friendly technologies P. Tafarte System friendly technologies M. Dotzauer Flexible Bioenergy - Generation technologies A. Bose Clean energy, dead birds? An attempt to create bird friendly wind turbines across the federal state of Brandenburg, Germany	D. Häfner CCS: Concentrating, Construction and Distribution of Risks – Societal reasons why CCS failed in Germany P. Stankiewicz Framing shale gas for policy making in Poland H. Hegele Market perception versus society perception in deep geothermal energy	M. Deissenroth Impact of the German market premium scheme on the actors of the electricity market – an ABM analysis M. Lange Large-scale optimization of the spatial allocation of renewable energy Plants J. Schulze Changes in agricultural landscapes induced by the allocation of energy infrastructures - Methodological insights from an agent-based model C. Palmas Smart Spatial Model: spatial land-use optimization for a sustainable renewable energy production K. Frank Lessons learned „Spatiality in Energy Landscapes“
12:15	Poster session and lunch		Foyer

Day 1 – Afternoon

	Lecture hall 1CD	Lecture hall 2A	Lecture hall 2B
	<p>Session A2</p> <p>Power-to-X: Enabling technologies for the energy transition</p> <p>Chair: S. Kleinsteuber</p>	<p>Session B2</p> <p>Thermal use of the shallow subsurface</p> <p>Chair: T. Vienken</p>	<p>Session C2</p> <p>Challenges for the spatial organisation of the energy transition</p> <p>Chair: J. Bovet</p>
1:45 – 3:15 pm	<p>G. Müller-Syring Power to gas and the need for establishing a pan-European understanding of admissible hydrogen concentrations in the natural gas system</p> <p>S. Otto Biocatalytic methanation of carbon dioxide and hydrogen in a trickle bed process – a suitable technology for power to gas</p> <p>F. Harnisch Electrocommodities & Electrofuels: technology challenges and economic considerations of (microbial) electrochemical synthesis of fine chemicals and fuels</p>	<p>S. Benz Sustainable thermal use of subsurface urban heat islands</p> <p>K.S.O. Seibertz Development of a thermal tomography to enhance shallow geothermal energy exploration</p> <p>H. Shao Comparison of analytical and numerical approaches to model Borehole Heat Exchangers in the shallow geothermal application</p> <p>S. Schelenz Concepts for the sustainable development and use of shallow geothermal energy on neighborhood scale</p>	<p>Expert inputs from</p> <p>D. Ohlhorst</p> <p>E. Gawel, S. Strunz, J. Singer</p> <p>W. Köck, J. Bovet</p> <p>J. Buchgeister</p>
3:15 pm	Poster session and coffee break		Foyer
4:15 pm	Reporting back from sessions and plenary discussion		Lecture hall 1A
7 pm	Conference dinner in Leipzig city centre		<p>Restaurant Moritzbastei, Universitätsstraße 9, 04109 Leipzig How to get there: http://www.ufz.de/EnergyDays2015</p>

Day 2 – Wednesday

	Lecture hall 1CD	Lecture hall 2A	Lecture hall 2B
9:00 – 10:30	Session A3 Biomass material streams for energy and the bioeconomy Chair: A. Bezama and D. Thrän	Session B3 Dynamics of fluids in the course of underground storage Chair: C. Vogt	Session C3 Market and system integration of renewable power supply: The role of future power market and RES support design in Germany Chair: P. Lehmann
	M. Beermann BioEconomy Policy Strategies in the 22 IEA Bioenergy Member Countries A. Bezama Challenges for implementing the bioeconomy strategy in a regional scale M. Verges Organosolv fractionation of beech wood at pilot scale J. Hildebrandt Sustainability monitoring of cross-sectoral integration options in emerging bioeconomy regions	C. Vogt Potential effects of hydrogen on the microbiology of underground gas Reservoirs N. Böttcher Short-Term Energy Storage in Artificial Salt Caverns C. Schütze Carbon Capture and Storage (CCS) technology and the requirement for appropriate assurance monitoring approaches M. Krüger Growth and activity of reservoir microorganisms under carbon capture and storage conditions M. Mühling Microbial communities in natural gas fields in the context of carbon capture and storage (CCS)	T. Bruckner/M. Götz A. Hoffrichter System and markets adaption to high shares of renewable power supply
10:30	Coffee break		<i>Foyer</i>
11:00	Reporting back from sessions		Lecture hall 1A
11:30	Keynote EU Climate and Energy Policy 2030: another step towards a science-based transformation? Dr. Oliver Geden – Stiftung Wissenschaft und Politik - SWP		Lecture hall 1A
12:15	Panel discussion		Lecture hall 1A
Lunch and open end			UFZ Canteen