

Spring Campus Conference, August 31 - September 04, 2020

Workshop: “From Innovation to Acceptance: Challenges and Potentials of a Sustainable Energy Transition”, September 01-02, 2020

Organized by Dr. Maria Rosaria Di Nucci (Environmental Policy Research Center FFU, FU Berlin) and Bettina Tacke (Unit for Sustainability and Energy Management, FU Berlin)

Abstract

There is a broad consensus that a significant reduction of GHG emissions is necessary in order to limit the effects of climate change. This reduction of GHG emissions requires a shift of the current energy system, which largely relies on fossil fuels, towards a system based on sustainable energy sources. For this purpose, ambitious targets were set by governments all over the world to increase the total share of renewable energy.

The shift to a sustainable energy system is closely linked to the diffusion of innovations. This process has multiple dimensions – socio-political, community-, and market-based – that must be considered holistically. Research shows the growing role of social acceptance and its potential as a constraining factor. Therefore, the social dimension has become equally as important as technological aspects for a successful sustainable energy transition.

The diffusion and acceptance process of sustainable energy supplies – ranging from wind energy and solar power to newer concepts like smart grids, all-electric solutions, or power-to-heat – have very different histories and face different challenges. However, similarities and common issues can be scrutinized, and important lessons can be drawn.

Participation and capacity building have been identified as key acceptance factors. Three important dimensions will be dealt with in the workshop: user interaction with new technologies (e.g. smart grids, energy management), information and involvement strategies of stakeholders as well as the concept of ‘energy democracy’. Social innovations like citizens’ energy projects provide greater local control over and acceptance of renewable energy generation infrastructure.

This workshop aims to bring together key research findings from the acceptance and social science research on various energy systems and discusses potential solutions that arise from analyzing these similarities. We will examine best practices, identify obstacles and drivers, and finally analyze the conditions for a successful implementation.

- Which participation strategies and user-technology interactions have enabled a successful implementation of renewable energies?
- What are the key factors of acceptance for sustainable energy systems?
- How are social innovations linked with the acceptance process of sustainable energy systems?
- Which social innovations can help to increase acceptance of renewable energy supply systems and energy reduction measures?
- Which sustainable energy sectors hold a potential for democratization, and how can we ignite this potential?

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Tuesday, 01 September 2020 • Fabeckstraße 23-25, Freie Universität Berlin

Chairs: Dr. Maria Rosaria Di Nucci (Environmental Policy Research Center FFU, FU Berlin) and Bettina Tacke (Unit for Sustainability and Energy Management, FU Berlin)

+++ Due to the postponement of the conference we are currently in contact with all contributors regarding their availability for our new dates. Programs are preliminary and will be updated as necessary. +++

<i>Time</i>	<i>Topic</i>
9:00 am	Plenary Session, open for all participants
10:00 am	Coffee Break
	<i>Workshop II: "From Innovation to Acceptance: Challenges and Potentials of a Sustainable Energy Transition"</i>
10:30 am	<p><i>Session I Challenges of wind energy development</i></p> <p>Introduction Dr. Maria Rosaria Di Nucci, Bettina Tacke, Freie Universität Berlin, Germany</p> <p>Keynote: "Challenges and opportunities of raising social acceptance to accelerate the energy transition process" Alessandro Luè, Poliedra – Politecnico di Milano, Italy</p> <p>"Community energy as a means to enhance acceptance for wind energy development?" Dr. Maria Rosaria Di Nucci & Michael Krug, Environmental Policy Research Center FFU, Freie Universität Berlin, Germany</p> <p>"Shutdown regimes for increasing the social acceptance of wind turbines: The Israeli case" Adi Cohen, Hebrew University Jerusalem, Israel</p> <p>"Local frontiers coming to life by global players – Case study of living near a wind farm in southern Brandenburg (WT)" Anjuli Weigelt, Freie Universität Berlin, Germany</p>
12:30 pm	Lunch
02:00 pm	<p><i>Session II Cities, Quarters and Living Labs:</i></p> <p>"Findings from the Project „re-produktive Stadt" – Innovation and Acceptance in Sven Wüstenhagen, Fraunhofer Institute for Microstructure of Materials and Systems</p>

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	Field of Sustainable Energy Transition in Polycentric Cities”	IMWS, Thies Schröder, Energieavantgarde-Anhalt e.V., Germany
	“Co-Creation - Opportunities, Methods and Challenges within the process of energy transition at Forschungszentrum Jülich”	Dr. Sabine Bossert, Forschungszentrum Jülich GmbH, Germany
	“What makes consumers smart? The challenge of adoption of smart city solutions.”	Iulia Malchenko, Saint Petersburg State University, Russia
	“Acceptance and Innovation – a conflicting couple? Findings from an all-electric case study”	Bettina Tacke, Freie Universität Berlin, Germany
04:00 pm	Coffee Break	
04:30 pm	Poster Session	
	“Contingent valuation of competing energy technologies”	Simon Laros, Europa Universität Flensburg
	“Stakeholder Empowerment Tool @ Real Life Laboratory Anhalt – unlocking Potentials for Participation”	Thies Schröder, Energieavantgarde-Anhalt e.V., Sven Wüstenhagen, Fraunhofer Institute for Microstructure of Materials and Systems IMWS, Germany
	“Geothermal Energy Urban Potential and Development Challenges”	Dr. Nikolai Bobylev, Anvar Akhmetzyanov, Saint Petersburg State University, Russia
	“Mapping TIS legitimacy and direction of search with computer-assisted text analysis”	Daniel Weiss, Freie Universität Berlin, Germany
6:00	We have pre-booked tables in the restaurant “Luise” near U-Bahn station Dahlem Dorf for a self-organized dinner.	

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Wednesday, 02 September 2020 • Fabeckstraße 23-25, Freie Universität Berlin

Chairs: Dr. Maria Rosaria Di Nucci (Environmental Policy Research Center FFU, FU Berlin) and Bettina Tacke (Unit for Sustainability and Energy Management, FU Berlin)

<i>Time</i>	<i>Topic</i>
9:00 am	Plenary Session, open for all participants
10:00 am	Coffee Break
	<i>Workshop II: "From Innovation to Acceptance: Challenges and Potentials of a Sustainable Energy Transition"</i>
10:30 am	<p>Keynote: "Energies for change - aligning stakeholders towards sustainable energy transitions" Maj-Britt Quitzau, Aalborg University, Denmark</p> <p>"Governance of rapid socio-technical transitions in the energy sector – a case study based contribution to transformation research" Klaus Fichter and Jens Clausen, University of Oldenburg and Borderstep Institute for Innovation and Sustainability, Germany</p> <p>Discussing ideas for cooperation and a special issue Dr. Maria Rosaria Di Nucci and Bettina Tacke, Freie Universität Berlin</p>
12:30 pm	Lunch
02:00 pm	<p>Excursion: After a sightseeing tour of Berlin's city center participants can choose between two tour offers (please indicate your choice in the registration form):</p> <ul style="list-style-type: none"> • Futurium: The House of Futures. Here, everything revolves around the question: how do we want to live? In a "Tour of the Futures", visitors get to know different future concepts and approaches to solutions. • GLS Bank (tbc): GLS Community Bank eG is a cooperative bank and claims to be the world's first eco bank. The bank was awarded the German Sustainability Award as the most sustainable company and was named Bank of the Year for the 10th time in succession. Join the banks team for a discussion on sustainable finance in the international finance world.
06:00 pm	Farewell Dinner, Restaurant Paresüd, Prellerweg 47, 12157 Berlin