

Financing of the Energy Transition and Property Rights – New market actors and roles

Content

- Introduction: formalities; overview
- LV1: Background: Energy Transitions: insights from a historical and comparative perspective; property rights, RES promotion, energy markets, case studies, EU energy policy ; social turn of energy
- LV2: New market actors: prosumer, energy communities
- LV3: New roles: flexible behavior and energy services
- LV4: Conclusion and oral presentations

Dates

Compact course/Blockseminar: Friday 10-13, 14-17

- Introduction: 09/04 14-15h;
- LV1: 26/04 ; LV2: 24/05 ; LV3: 28/06 ; LV4: 05/07

Background

The Energy Transition cannot merely be defined as the re-organisation of energy production from fossil to renewable energy sources or the structural change of the energy system, driven by technology (renewables, smart networks, storage, etc.). It is a process encompassing a range of technological, economic, legal, political and social challenges, which will be addressed by new policies and regulatory framework including energy market design reform, emerging energy services and business models, new behavioural norms, etc.

Against this background, we can observe a “social turn”, both at the research and policy level, embodied by topics such as energy poverty and justice, citizen democracy and the energy “prosumer” (consumer who produces its own goods, here energy). The latter, in particular, becomes central to the promotion of renewables and their cost-efficient system integration as well as the overall acceptance of the energy transition.

Drawing back on various case studies showing that consumer (co)-ownership of renewables installations is a worldwide phenomenon, and by focusing on (very!) recent developments in the EU energy policy, this seminar discusses from an interdisciplinary perspective the opportunities and challenges tied to the emergence of those new market participants.

Literature

- European Commission (2019), Clean Energy for all Europeans Package, state of play <https://ec.europa.eu/energy/en/topics/energy-strategy-and-energy-union/clean-energy-all-europeans>
- European Commission (2018), A Clean Planet for all, A European strategic long-term vision for a prosperous, modern, competitive and climate neutral economy, COM(2018) 773 final
- Haas R. and al (2011), A Historical Review of Promotion Strategies for Electricity from Renewable Energy Sources in EU Countries, Renewable and Sustainable Energy Reviews 15: 1003–1034.
- Jasiak, M. (2018). Energy Communities in the Clean Energy Package. *EEJ*, 8, 29.

- Lowitzsch, J. (ed.) (2019) Energy transition: financing consumer co-ownership in renewables
 - Lowitzsch J. (2019), Introduction: the challenge of achieving the energy transition, 1-26
 - Croonenbroeck C. and al. (2019), From fossil to renewable energy sources, 29-58
 - Lowitzsch J. (2019), The consumer at the heart of the energy markets?, 59-77
 - Jenkins K. (2019) Energy Justice, Energy Democracy, and Sustainability: Normative Approaches to the Consumer Ownership of Renewables, 79-97
 - Yildiz Ö. (2019), Consumer (Co-)Ownership and Behaviour: Economic Experiments as a Tool for Analysis, 99-112
 - Holstenkamp L. (2019), Financing consumer (co-)ownership of renewable energy sources, 115-138
 - Baigorrotegui G. and al. (2019), Institutional aspects of consumer (co-)ownership in RE energy communities, 663-701
 - Gauthier C. and al. (2019), Outlook: Energy Transition and Regulatory Framework 2.0: Insights from the European Union, 733-765
- Parag, Y., & Sovacool, B. K. (2016). Electricity market design for the prosumer era. *Nature energy*, 1(4), 16032.
- Ritzer G. and al. (2010). Production, consumption, prosumption: The nature of capitalism in the age of the digital 'prosumer'. *Journal of consumer culture*, 10(1), 13-36.
- Sovacool, B. K. (2014). What are we doing here? Analyzing fifteen years of energy scholarship and proposing a social science research agenda. *Energy Research & Social Science*, 1, 1-29.
- Smil, V. (2016) Examining energy transitions: a dozen insights based on performance, *Energy Research and Social Science*, 22, 194-197
- Tews, K. (2018): The Crash of a Policy Pilot to Legally Define Community Energy. Evidence from the German Auction Scheme. In: *Sustainability 2018*, 10(10), 3397;
- Vihalemm, T and al. (2016) Consumers, citizens or citizen-consumers? Domestic users in the process of Estonian electricity market liberalization. *Energy Research & Social Science*, 13, 38-48.

Final reader will be announced in April during the introduction

Formalities

Study programs

5/6/9 ECTS / MES modules: ZB Wirtschaft, ZB Politik, ZB Recht, WPM 1, WPM 6 // IBA modules: S-Module (old SPO also E-Module); Faculty of Law: Master of German and Polish Law (Module 3); SPB 5 (European Law) (without ECTS)

Performance test and credits

ECTS: 6/9. Regular attendance; oral presentation; term paper: first draft of the term paper by 19/07/2019 (optional, only if feedback wanted), finalized term paper by the end of the semester 30/09/2019

Registration

Until 22/04 at kelso-professorship@europa-uni.de including immatriculation number