

## 2<sup>nd</sup> Energy & Society Conference

Institute of Sociology, Jagiellonian University, Krakow, Poland  
June 4-6, 2014

### Program

Wednesday, 4<sup>th</sup> June

Venue: Auditorium Maximum

**13:00–13:30 – Welcome and opening** | Room: Exhibition Room A, 1<sup>st</sup> Floor

**Maria Flis**, Vice rector of the Jagiellonian University

**Jarosław Górniak**, Dean of the Philosophy Faculty, Jagiellonian University

**Ewa Kopczyńska**, Vice director of the Institute of Sociology, Jagiellonian University

**Matthias Gross**, Head of the European Sociological Association Research Network 12  
Environment and Society

**13:30–15:50 – Keynotes**

Chair: Matthias Gross

**Elizabeth Shove**, Lancaster University: “Energy and society: resources and practices”

**Krzysztof Gorlach**, Jagiellonian University: “Development as movement: the road to sustainable society”

**15:30 -16:00** – Coffee break

**16:00–18:00 – Thematic session 1** | Room: Exhibition Room A, 1<sup>st</sup> Floor

<b>Energy transitions – challenges for modern societies</b>		Chair: Luísa Schmidt
Les Levidow	Energy-resource synergies from eco-efficient innovation: what sustainability?	
Neil Simcock, Rosie Day, Gordon Walker	Transitions and necessary energy: the need for electricity - electricity as a need	
Piotr Stankiewicz, Joanna Suchomska, Agata Stasik	Potentials and limitations of participatory technology assessment in Poland. The case of local dialogue programm on shale gas exploration.	
Kirsten Gram-Hanssen	Informing energy policy from practice theoretical studies	
Immanuel Stieß, Christian Dehmel	Fostering less energy intensive routines in everyday life: strengthening a consumer perspective through social practice theory	

**18:00–19:00** – Welcome drink | Hall, 1<sup>st</sup> Floor

Thursday, 5<sup>th</sup> June

Venue: Institute of Sociology

9:00–10:40 – Parallel thematic sessions

**Thematic session 2** | Room 79

<b>Materiality, energy and social change</b>	
	Chair: Luigi Pellizzoni
Michał Wdowiak	The Polish draft law on corridors of transmission
Claudia Binder, Christof Koneri	Sequence of transition pathways in energy transitions: the need for understanding technology acceptance, and developing common visions
Karen Parkhill, Catherine Butler, Christina Demski	Beyond the technical: making the case for incorporating responsible innovation in energy system transformations
Ekaterina Tarasova	Future of nuclear energy: always questioned? The evidences from the countries developing nuclear energy
Martina Ferrucci, Sonia Brondi	What energy for the Italian television? New languages for new audiences

**Thematic session 3** | Room 81

<b>Energy transition, communities and householders</b>	
	Chair: Giorgio Osti
Mauro Sarrica, Paolo Cottone, Alessandra Armenti, Sonia Brondi	Sustainable energy communities: developing new representations and practices for the Italian context
Kevin Burchell, Ruth Rettie	Rethinking energy consumption feedback
Chris Foulds, Rosie Robison	Investigating the influence of digital feedback technologies and the provision of long-term consumption data on everyday life
Magdalena Głogowska	Getting ready for a change?

**Thematic session 4** | Room 61

<b>Energy demand, markets and innovation: the shaping of demand, implications of energy market innovation for demand</b>	
	Chair: Françoise Bartiaux
Tim Harries, Maria das Graças S.L. Brightwell, Enrico Costanza	Notions of 'house' and notions of 'home' – their importance for interventions to reduce domestic electricity consumption
Katrin Großmann	Energy burdens of households, energy efficiency policies and residential segregation
Luísa Schmidt, Ana Horta, Augusta Correia, Susana Fonseca, Henrique Pombeiro	Changes in household energy consumption: discussion of a form of intervention
Andreas Huber	One collaborative consumption or many? On the potential spread of community-based consumption practices

10:40–11:00 – Coffee break | Hall, 2<sup>nd</sup> Floor

## 11:00–12:40 – Parallel thematic sessions

### Thematic session 5 | Room 79

<b>Innovations in practice, technology and change</b>	
Chair: Çigdem Adem	
Dagmar Lorenz-Meyer	The sociotechnical imaginaries of solar energy
Itay Fishhendler	In the name of energy security: the struggle over the exportation of Israeli natural gas
Piotr Wróblewski	How to expand a coal-fired power station in Poland? A case study of Opole Power Plant in Upper Silesia
Giorgio Osti	Energy storage: hints of passage from the experimental to the application level
Urszula Kurczewska	Production of renewable energy as a stimulator of social activity and entrepreneurship

### Thematic session 6 | Room 81

<b>Energy Participatory Citizenship – chances and barriers</b>	
Chair: Aleksandra Wagner	
Agata Stasik	Shale gas in Poland: changing rules and composition of the collective
Lai Fong Chiu, Alexandra Macmillan	Critical dialogue: participatory policy modeling to promote collaborative learning in sociotechnical system thinking
Marcin Harembski, Tiffany Grobelski	To debate, or to ignore and distort (and take a dire risk)? Public participation and the Polish government's pursuit of nuclear power
Iiro Grönberg, Sari Janhunen, Kristiina Korjonen-Kuusipuro	Perspectives on energy citizenships

### Thematic session 7 | Room 61

<b>Energy transition: unravelling the buzzword</b>	
Chair: Ana Horta	
Xavier Lemaire	What is energy transition? Implications for developing countries
Larry Reynolds	Transition in crisis? Multi-level perspective theory and cultural political economy
Mattijs Smits	Energy transitions as societal transitions: where does modernity fit in?
Petra Waechter	Shaping of energy transition: examples of individual energy practices towards sustainability

## Thematic session 8 | Room 60

<b>Energy demand, markets and innovation</b>	
	Chair: Françoise Bartiaux
Thomas Seguin, Aleksandru Balasescu	Another economy: towards a dialectics of energy and society
Jonas Grauel	Are financial markets a driver of energy transitions?
Markus Winkelmann, Andrea Immendörfer, Volker Stelzer	Social aspects for the successful implementation of energy efficiency measures in the context of the CONCERTO initiative
Isabel Shaw, Ritsuko Ozaki	Electricity overloads and the 'last-mile' transformation
Sam Wong	Interrogating the World Bank's Energy Policies in Developing Countries – Case studies of Energy Development in South Asia

**12:40–14:30 – Lunch break**

**14:30–16:10 – Parallel thematic sessions**

## Thematic session 9 | Room 79

<b>Public acceptability: implications for energy system transitions</b>	
	Chair: Luísa Schmidt
Marco Sonnberger, Michael Ruddat	Citizen's perception of the German energy transition – the aspects of acceptance and participation
Iva Zvěřinová, Eva Kysela	Factors explaining Czech public (un)acceptability of energy policies
Çigdem Adem	Geothermal energy and its social acceptance in Turkey
Ulf Liebe, Geesche Marie Merkle	Explaining public attitudes, protests and acceptance towards renewable energy sites

## Thematic session 10 | Room 81

<b>Future visions</b>	
	Chair: André Schaffrin
Caroline McCalman	Nuclear power and the public: what do we know now, what might we know in the future?
Anna Krzywoszynska, Jose Maywin	Community energy transitions: we are ready to go but who are we and where are we off to?
Alexander Wentland	Converging visions – converging systems? The electric vehicle and its role in the transition towards sustainable energy systems
Béla Munkácsy, Gábor Csüllög	Energy transition based on a virtual power plant of 42 Hungarian settlements

**Thematic session 11 | Room 61**

<b>Conceptual approaches to energy transition research</b>	
Chair: Giorgio Osti	
Jens Marquardt	Energy transition and democracy: Is there an empirical relation?
Willington Ortiz, Julia Terrapon-Pfaff, Carmen Dienst	Understanding household energy transitions in developing countries. Review of existent approaches and potential contribution of a quasi-evolutionary socio-technical perspective
Llinos Brown	Exploring the personal and organisational influences on workplace energy use: preliminary results from a mixed methods survey conducted within an industrial work environment
Andrea Capaccioli, Giacomo Poderi, Matteo Bonifacio	Challenges and opportunities of action research approaches for an emerging energy paradigm
Elizabeth Shove, Matt Watson	Infrastructural change and the dynamics of practices and energy demand

**Thematic session 12 | Room 60**

<b>The shaping of domestic energy demand</b>	
Chair: Matthias Gross	
Thomas Roberts, Tina Balke, Maria Xenitidou, Nigel Gilber	How does home ownership status and the type of property occupied, affect domestic energy consumption practices?
Johanna Matzat	Change in domestic heating practices-different representations already exists
Mette Hove Jacobsen	Differences in household's possessions in electrical appliances
Michael J. Fell, David Shipworth, Cliff Elwell, Gesche M. Huebner	Out of control, out of the question? Views on perceived control in domestic demand side response
Line Valdorf Madsen	Comfort as an everyday practice

**16:10-16:30** – Coffee break | Hall, 2<sup>nd</sup> Floor

**16:30-18h10** – Parallel thematic sessions

### Thematic session 13 | Room 79

<b>Energy poverty and environmental justice</b>	
Chair: Çigdem Adem	
Ute Dubois, Ines Mayer	The emergence of energy poverty as a policy issue: a French-German perspective
Anna Wolff, Johannes Schubert, Michael Schneider, Bernhard Gill	Different constellations of fuel poverty – the combined effects of physical infrastructure and patterns of behavior
Charlotte Luyckx, Nathalie Frogneux, Rosie Day, Christophe Vandeschrick, Françoise Bartiaux	The energy-justice paradigm: a conceptual approach to energy poverty in Belgium
Richard Filcak, Daniel Gerbery	Multidimensional nature of energy poverty in Slovakia: access to energy, vulnerability and impacts
Marie Sevenet, Patrice Nogues, Elise Nimal, Ines Mayer	Double vulnerability: A case study of households' energy burden in the residential and mobility sector at the city level

### Thematic session 14 | Room 81

<b>Approaches to understanding acceptability</b>	
Chair: Luísa Schmidt	
Filipa Soares, Ana Delicado, Elisabete Figueiredo	'Monsters' in the quiet landscape: Perceptions of wind farms in rural settings
Marika Makkonen, Suvi Huttunen, Mikael Hildén	Bioenergy conflicts and solution– a global review
Christina Demski, Catherine Butler, Karrin Parkhill, Alexa Spence Nick Pidgeon.	Understanding public perspectives on energy system transformations: the importance of what lies beneath
Adrian Wójcik, Janina Pietrzak	Young Poles' beliefs about climate change
Catherine Butler	Public Values for Energy System Change: Public Acceptability, Indeterminacy and Policy Making.

### Thematic session 15 | Room 61

<b>Energy transitions in context: Challenges ahead</b>	
Chair: Pia Laborgne	
Tineke van der Schoor, Alexander Peine, Harro van Lente, Bert Scholtens	Obduracy in action: how Dutch local communities transform centralized energy systems
José Eduardo Viglio, Lúcia da Costa Ferreira	The exploration of new offshore petroleum reserves and the debate on energy transition in Brazil
Sandra Wassermann	Current challenges of Germany's energy transition project: when renewable energy sources (RES) are leaving the niches
Carmit Lubanov	The role of socio-environmental justice in addressing climate policy

Natalia Magnani	Organized green consumers in Italy's energy transition: challenges and strategies
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### Thematic session 16 | Room 60

<b>Energy demand, markets and innovation</b>	
Chair: Maria Świątkiewicz-Mośny	
Erin Roberts	Traversing the unknown: shedding light on rural household energy use
Lai Fong Chiu, Robert Lowe	Technology in transition: exploring domestic retrofit practice from a sociotechnical perspective
Aimee Ambrose	Domestic energy consumption, technology and the home
Anders Rhiger Hansen	Social and demographic factor as explanation for variation in residential energy consumption
Giovanni Carrosio	The ambivalent spread of district heating in Italy: restructuring device of urban regimes and strategy for the autonomy of the local communities

**18:10–19:30 – “Hyde Park”: informal sessions/open discussions** | Rooms 79, 80, 61, 60

**20:00 – Conference dinner (optional)** | Restaurant: Cafe Oranzeria

**Friday, 6<sup>th</sup> June**

**Venue: Institute of Sociology**

**9:00–10:40 – Parallel thematic sessions**

### Thematic session 17 | Room 79

<b>Interlinking sociotechnical systems: energy – water, energy – waste, energy-food</b>	
Chair: Catherine Butler	
Filip Piotrowski	Municipal waste as an energy resource
Debora Cilio	From waste to energy source. Food, waste and energy: the case study of Piana's Farm in Calabria
Britta Rosenlund Turner	Thrift, temporality and lunchtime clouds: ambiguous enactments of microgeneration photovoltaics in the UK

### Thematic session 18 | Room 81

<b>Energy transitions as local project</b>	
Chair: Pia Laborgne	
Sophia Alcantara	Germany's energy transition as local project and the role of Change Agents
Rose Chard	Finding fuel poverty in the lives of older people
Laurie Lee Robertson	Situating community renewable energy: A case study of

	Udny community turbine
Karin Edberg	The “right” place for wind power?

### Thematic session 19 | Room 61

<b>Approaches to understanding acceptability</b>	
Chair: Aleksandra Wagner	
Triin Vihalemm, Margit Keller	Energy market change: studying reception of media news and electricity consumption with practice theory and positioning analysis
Diana Mincyte, Aiste Bartkiene, Leonardas Rinkevicius	The ethics of care and coalitions of anxiety in gas fracking debates in Lithuania
Paul Upham, Hauke Riesch, Aleksandra Lis, Piotr Stankiewicz	The role of competing social representations in socio-technical transitions: the case of shale gas in Poland, Germany and the UK
Mara Maretti, Alfredo Agustoni, Sara Fontanella	Domestic energy generation from the sun in Italy: a survey on attitudes and practices of sustainability

### Thematic session 20 | Room 60

<b>Energy transitions and changing actors</b>	
Chair: André Schaffrin	
Ana Delicado, Luís Junqueira, Elisabete Figueiredo	Energy cultures: how solar energy is envisaged by a local community
Iiro Grönberg, Sari Janhunen, Kristiina Korjonen-Kuusipuro	Perspectives on energy citizenships
Gregor Kungl	The leading German energy providers and the transformation of the German energy system
Elgars Felcis	The challenges of sustainable energy future

**10:40 – 11:00** – Coffee break | Hall, 2<sup>nd</sup> Floor

**11:00 – 12:40** – Parallel thematic sessions

**Thematic session 21** | Room: 79

<b>Energy transition: local strategies and the interplay of governance levels</b>	
Chair: Alfredo Agustoni	
Jonathan C. Cooper	Community benefits packages and shale gas extraction
Anna Schreuer	The diffusion of citizen power plants in Austria and Germany: A process of empowerment?
André Schaffrin	Local energy transition and local governance
Andrzej Ancyngier, Kacper	Grassroots energy transformation: drivers and obstacles for community energy in Germany and Poland



Thomas Blanchet	Struggle over Berlin energy transition: How can grassroots initiatives affect local energy policy?
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### Thematic session 22 | Room 81

<b>Energy transition in context: national and regional conditions</b>	
Chair: Maria Świątkiewicz-Mośny	
Lucia Burtnik	Energy transitions in Brazil: three cases for hydroelectricity
Adrian Dumitru Tanțău, Roxana Clodnițchi, Maria Alexandra Nichifor	Comparative study of sustainable business models in biogas and wind energy in the European Union. Case study – Romania and Germany
Christina Benighaus, Alena Bleicher	Devil's work or progressive alternative energy – a cross regional analysis of geothermal energy framings
Davide Borrelli, Mihaela Gavrila	The rise of energetic democracy. The communication on move in the Italian case

### Thematic session 23 | Room 61

<b>Challenges and implications of energy innovation</b>	
Chair: Matthias Gross	
Karin Schakib-Ekbatan, Annette Roser, Edelgard Gruber	Do energy-efficient issues matter in educational facilities? First results from post-occupancy evaluation in the context of the German project “Energy-efficient schools”
Mikko Jalas, Markku Anttonen	Qualification of energy service companies (ESCO): the kin of energy efficiency
Marcin Kautsch, Mateusz Lichoń	Key challenges and chances of energy transition in hospitals

### Thematic session 24 | Room 60

<b>Energy transition at the local level</b>	
Chair: Ana Horta	
François-Mathieu Poupeau	Local authorities and the control over energy transition steering in France: actors, interests, institutional conflicts
Rüdiger Mautz	Energy transition from “bottom-up” – success factors and obstacles
Pia Laborgne	Intermediaries as change agents in local energy transitions
Conrad Kunze, Sören Becker	Collective ownership in renewable energy

**12:40–14:30 – Lunch break**

## 14:30–16:00 – Workshops

### Workshop 1 | Room 61

#### Energy and Metabolism

Alfredo Agustoni, Dario Padovan, Luigi Pellizzoni, Agostino Petrillo

Each living system, being an human body, a forest or a town, can be seen as an energy convertor, such as an engine. However, social systems not only convert energy for their purposes but consume it releasing in the environment unusable energy and harmful waste.

The idea of metabolism as a frame in understanding relations between Societies and their Environments, that means describing social, spatial and economic phenomena in terms of flows of matter and energy, inspired several authors in the field of the Natural such as of the Social Sciences (from Justus von Liebig to Marx, Vladimir Vernadskij and, up to our days, to authors as John B. Foster, Joan Martinez-Alier, Erik Swingedow, Marina Fischer-Kowalski etc.).

This perspective goes beyond any huge contrast between Nature and Society, due to the mutual deep links in the dynamics of transformation - concerning, for example, the so called "energy shifts", in all their social and environmental meaning, well explained, from different perspectives, by authors such as Mumford, Cottrell, Crosby, Podobnik, Huggill, Mitchell, Nye etc.

The aim of this workshop is, first of all, to discuss this theoretical point of view, stressing its potentialities in understanding energy and ecological issues (for what concerns, for example, the problem of ecologically uneven patterns of development); its second purpose is that of showing some application to social research, in its metodological implications; the third is to discuss new forms of metabolism regulation at societal level.

### Workshop 2 | Room 60

#### Politics of Fracking

Michiel Köhne, Elisabet Rasch, Dik Roth, Jeroen Warner –

Wageningen University – Anthropology and Sociology of Development

The objective of this workshop is to 1) constitute an international network of researchers of social (political) dynamics and mobilisation related to shale gas and 2) come to a joint research agenda in the domain of social dynamics and politics of (plans for) fracking for shale gas in the context of broader debates on energy transition, energy strategies and politics, and democracy.

In many countries in Europe (and the world) governments together with industrial partners promote fracking as a way of extracting shale gas. Fracking operations are ongoing or under consideration in several countries all over the world, including The Netherlands. As the use of fracking has increased, so have environmentalist concerns over

dangers of pollution, groundwater contamination, and the postponement of energy transition. In many countries (The Netherlands, England, Romania, to name a few) citizens have organised against fracking. They build up their arguments around environmental issues, as well as issues of citizenship. Proponents of fracking consider shale gas a safe and profitable energy source. Both proponents and opponents make extensive use of different sources and forms of information and knowledge to build up their argument.

In the workshop we will take the politics of shale gas as a point of departure to explore its links with economic policies, energy battles, social movements and citizenship, framing and legitimating discourses, property rights issues and the “disasterisation” of fracking. We invite participants to give a very brief presentation on her/his research on the topic. After that we will discuss possible research agenda’s, research questions, research methodology and the possibilities of creating an international (academic) shale gas research network.

### **Workshop 3 | Rooms 81 and 79**

#### **Wicked games - tricked into faked participation. Workshop on energy-related conflicts resolution.**

Magdalena Głogowska, , Pia Laborgne, André Schaffrin Aleksandra Wagner

During the last years we noticed an increasing popularity of the concept of public participation in the social sciences and the public discourse. Normative or critical theoretical approaches to participation are the most frequent predominantly based on case study analyses with the focus on single technologies or domains. On the one end of a larger range of studies and applications, the organized processes of public participation refer to highly formalized public consultations (which are the law obligation). On the other end, public participation is understood as an informal process of citizens’ engagement of consultation rather than actual participation in decision-making. Due to this variety of understandings and applications, the concept of public participation remains vague because no common conceptual and empirical framework of public participation exists. As a result, the practical applications of such theories are elaborated rarely.

Our workshop aims to shed light on the “elephant in the room” of public participation. In a first step, going beyond the normative ideas or critical descriptions of public participation, we discuss different understandings and definitions of public participation as applied in the theoretical and empirical literature.

In a second step, the participants of the workshop will draw conclusions on what are major commonalities or obstacles when comparing case studies on public participation. How do characteristics of the specific setting (rural vs. urban; siting vs. policy issues vs. goal setting etc.), technologies (wind vs. solar etc.), and citizens (socio-economic status, networks, values and beliefs, etc.) interact with the form of governance (regulative, informative, etc.) and the tools or methods applied in the process of public participation (round tables, referenda, etc.)? Furthermore, we discuss applied experiences on the determinants of success and failure of public participation. We will focus on the point of time in the planning process where participation ideally should take place.



We invite participants doing research on public participation, with hands-on experiences, or just being interested in the subject to join the discussion on approaches, frameworks, methods and tools in the workshop. As a result of the workshop, we would like to create a common framework of public participation and a model of conflict resolution by analyzing typical cases of public participation.

**16:10–16:30** – Coffee break

**16:30–17:00 Energy & Society Network general meeting and closing session** | Room 79

Chair: **Matthias Gross**, Head of ESA RN 12

17:00 – ESA RN 12 business meeting

<b>Poster session</b>	
Florian Abraham	Understanding the issues faced by wind farms developers - a comparative analysis of France and Germany
Ana Horta, Susana Fonseca, Mónica Truninger, Augusta Correia	Cyborg youth: transition to energy-intensive routines of media use
Agnieszka Miśkiewicz, Grażyna Zakrzewska-Kołtuniewicz, Katarzyna Iwińska <sup>3*</sup>	Building a platform for enhanced societal research related to nuclear energy in Central and Eastern Europe
Daniel R. Klein, Mady Olonscheck, Carsten Walther & Jürgen P. Kropp.	The electricity sector susceptibility of European countries to climate change
Sabina Pajak	Enemies or friends? Analysis of the relationship between the local community and representatives of the corporation during the extraction of shale gas in Poland
Katarzyna Rabiej	School textbook as a key element supporting activities in raising awareness of energy issues. Analysis of selected Polish textbooks
Maria Świątkiewicz-Mośny	Polish media discourse about wind energy
Aleksandra Wagner	Narrative frames of energy discourse: nuclear power plant and shale gas in press discourse