

Spring Campus, April 1-5, 2019

Workshop: “The Use of Knowledge for Sustainability Transitions”, April 02-03, 2019

Organized by Prof. Dr. Carsten Dreher (Chair of Innovation Management, FU Berlin), Prof. Dr. Elisabeth Eppinger (HTW Berlin), Carsten Schwäbe, Myriam Preiss, Daniel Weiss (FU Berlin)

Abstract

Sustainability transitions aim at surmounting present environmentally damaging economic behaviours and unjust social work practices via a change in consumer’s behaviours and a substitution of old and problematic technologies by innovative alternatives. A fruitful development and diffusion of sustainable technological innovations requires new knowledge to be created, learned and adopted. This includes explicit, codifiable knowledge, such as research publications, and intellectual property rights (e.g., patents). Also trade secrets and tacit knowledge play an important role in development and adoption processes, which finally lead to the sustainability transition. While in the field of sustainability research, often open access is recommended for accelerating innovation diffusion, entrepreneurship research proposes protection of intellectual property in order to attract investments. However, the best approach of using and sharing knowledge for sustainable innovation diffusion may vary from open access to more nuanced licensing schemes, depending on the industry and region.

Furthermore, apart from the R&D and adoption activities of firms and research institutes, the dynamic development and diffusion of new knowledge for sustainability transition asks policy makers to find answers on two policy fields: First, they have to support, strengthen and accelerate knowledge creation and diffusion in order to cope with the rising and time-critical sustainability challenges, notably climate change. Second, policy-making must take decisions on the question which technological paths should be followed.

Considering these challenges in the use of knowledge for sustainability transitions our workshop aims at bringing together researches from different disciplines and regions, in order to answer the following research questions:

- Which licensing models are appropriate for sustainability transitions? Or do we need a change in intellectual property rights’ protection in order to support knowledge development and diffusion?
- How can the use of tacit knowledge in market niches or by early adopters be improved and supported? How can the public in general be of help or included in the research process?
- How can the governance of sustainability transition collect and use the dynamically evolving knowledge in the innovation processes for improving dynamic political decision making?

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In order to keep an interdisciplinary environment for the workshop, we invite scholars from all relevant disciplines to submit contributions to these research questions and to one of the following technology fields concerned by sustainability transitions:

- Energy sector with emphasis on the electricity generation
- Food and agriculture sector (including new food systems, digital and precision farming) with a focus on the supply of (sub-)urban areas and production methods for those
- Textile and apparel industry (including fibres, fabrics, finishing and dyeing processes, recycling and circular economy approaches)

Call for Contributions

We invite contributions of the research project you want to present – including abstracts about new unfinished, conceptual ideas. **Please, send your abstracts (600-900 words) to ls-dreher@wiwiss.fu-berlin.de until 31st January 2019.** The confirmations for the workshop will be sent out on **6th February 2019**. During the workshop in April presentations of projects can be done either by a short presentation (15 minutes with 10 minutes discussion afterwards) or during a poster presentation session, which is recommended, especially, for PhD students.

The workshop aims at bridging insights and theoretical concepts from different disciplines. While during the first day we will engage in presentations and discussions, the second day is dedicated to define practical implications for state and industry actors, and research implications for academia, and to spur further collaboration amongst the workshop members.

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Tuesday, 02 April 2019 • Fabeckstraße 23-25, Freie Universität Berlin

<i>Time</i>	<i>Topic</i>
9:00 am	Plenary Session, open for all participants Smart Cities – The University Campus as Part of an Urban Sustainable Transport Vision Prof. Andreas Knie, WZB
10:00 am	Coffee Break
	<i>Workshop I: “The Use of Knowledge for Sustainability Transitions”</i>
10:30 am	Keynote Session (Chair: Carsten Dreher) Intellectual Property Models for Sustainability Transitions Pratheeba Vimalnath PhD, Institute for Manufacturing, University of Cambridge Governing sustainability transitions – The case of energy Dr. Florian Kern, Institute for Ecological Economics Research (IÖW)
12:00 pm	Lunch
01:00 pm	<i>The role of knowledge in sustainability research, business and policy (Chair: Elisabeth Eppinger)</i> Dr. Timo von Wirth with Julia Wittmayer , Erasmus University Rotterdam, Unpacking the role of non-scientific knowledge in sustainability transition research. Roberto Hernandez Chea with Nancy Bocken , University of Copenhagen, The Exploration of Sustainable Business Models. Carsten Schwäbe , FU Berlin, Speech Title: Technology-Life-Cycle Assessment through Patent Data as a Governance Tool for Innovation Processes – The Case of Renewable Energy Technologies in Germany.
02:30 pm	Coffee Break
03:00 pm	<i>Learning in firms and democracies for sustainability transitions in the food and plant sector (Chair: Myriam Preiss)</i> Julia Dennis , HU Berlin, Food democracy: an analysis of participation and power in agrifood governance. Geisha Sanchez , University of Waterloo, Canada, How do intermediaries mobilize ‘learning’ in the nurturing of Zero Waste niches in food retail (grocery sector)? Dr. Viola Prifti , HTW Berlin, Plant variety protection: from intellectual property rights to open innovation.

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04:30 pm	Coffee Break
05:00 pm	<p><i>Firm behaviour in sustainability transitions: Incumbents and newcomers (Chair: Carsten Schwäbe)</i></p> <p>Denise Reike, Universiteit Utrecht, Copernicus Institute, Exploring inter-organisational collaboration in the circular economy: A proximity-based framework. Daniel Weiss with Philipp Scherer, FU Berlin, Mapping Technological Trajectories in a mature TIS under pressure</p>
06:30 pm	We have pre-booked tables in the restaurant “Luise” near U-Bahn station Dahlem Dorf for a self-organized dinner.

Wednesday, 03 April 2019 • Fabeckstraße 23-25, Freie Universität Berlin

Time	Topic
9:00 am	<p>Plenary Session, open for all participants</p> <p>Germanys Coal Phase-Out: Robust entry into the clear exit Dr. Felix Christian Matthes Research Coordinator for Energy & Climate policy, Institute for Applied Ecology</p>
10:00 am	Coffee Break
	<i>Workshop I: “The Use of Knowledge for Sustainability Transitions”</i>
10:30 am	<p><i>Intra- and inter-organisational co-ordination of knowledge creation and diffusion (Chair: Carsten Dreher)</i></p> <p>Sergey Yablonsky, St. Petersburg State University, Knowledge Collaboration: The Role of Open Innovation Platform Ecosystem Olga Belichenko, Ca’Foscari University, Venice, The invention of organic: rosebay willowherb in Post-Soviet Russian culture.</p> <p><i>Final discussion and wrap-up of the workshop</i></p>
12:30 pm	Lunch
02:00 pm	<p>Participants may choose one of three excursions – further details are available in the news section of the Spring Campus Conference Website.</p> <ul style="list-style-type: none"> • Museum of Natural History: Citizen Science Projects and Artefacts Exhibition • Botanic Garden – The World in a Garden

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	<ul style="list-style-type: none"> EUREF Campus: Behind the Scenes with the Start-Up Inno2grid on Revolutionizing the Renewable Energy and Mobility Market
06:00 pm	Farewell Dinner, Restaurant ‚Stone Brewing Berlin‘, Im Marienpark 23, 12107 Berlin, (tbc)