Research in WP1 has covered a broad thematic range of projects addressing the challenges of the energy transition faced by different actors. Researchers from five institutions have developed several key insights into how firms, policy makers and other stakeholder groups may tackle specific challenges on the level of policy making and social acceptance, energy markets, entrepreneurial initiatives, business model innovation and regional energy systems.

In addition, close collaboration with practitioners and industry partners allowed for coming up with deliverables that help actors shape innovative solutions in the diffusion of renewable energy technologies, decentralized energy systems, smart buildings and trading strategies on energy markets. Selected highlights with practical impact on meso-level actors are listed below.

**Energy BIRD (Subtask 1.1.3)**

Energy BIRD (Business-Model Innovation, Refinement and Deployment) is a workshop methodology to develop and shape business models in the context of the energy market. The working group “Energy Think Tank” concluded with several exciting new business model ideas and pilot projects for our cooperation partners (e.g. AEW Energie; Energie 360°; SGSW; SWT) with respect to smart homes, smart neighborhoods, mobility, and extended customer engagement.

**Energy Trading Room (Subtask 1.2.1)**

At the Energy Trading Room of the HSG, we can train (future) practitioners and research their behavior. Trading capacities and flexibilities acquaints the traders with the risk drivers and their effects on the balance sheet and quantifies his or her ability to trade off expected profits against risks adequately. Moreover, the Trading Room offers its potential as well for standard assets in finance or social experiments.

**TREES platform (Subtask 1.3.1)**

TREES (Transition of Regional Energy Systems) platform allows for simulation of dynamic processes and development patterns of decentralized energy systems:

- supports identification of robust strategies and policies,
- testing of new business models,
- supports co-learning of different stakeholders.

**Contact**

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