

Call for Papers**ENERDAY 2022 - 16th International Conference on Energy Economics and Technology****Legacy assets and infrastructures in the energy system transformation -
Out with the old, in with the new?****Friday, 30 September 2022**

Technische Universität Dresden, Faculty of Business and Economics, Dresden, Germany

Subject

The transformation of the energy system largely relies on facilitating the development of sustainable assets and infrastructures across the energy value chain. The development and repurposing of legacy infrastructure and investments in sustainable alternatives determine path dependencies that will influence the trajectory of the energy system for decades to come. The decision as to which approach is most suitable and effective depends on numerous factors. The current discussions around the EU taxonomy of sustainable infrastructures highlight the stark differences in member states and stakeholders' opinions and policy objectives. Moreover, the current Russia crisis requires a reassessment of current energy supply dependencies. The competition between different transformation pathways as well as path-dependent restrictions requires a holistic view toward evaluating the role of energy assets and infrastructures in a system-wide context and a detailed analysis of the interdependencies between them.

What are the key challenges for adapting existing energy infrastructures? Which strategic decisions are necessary to achieve carbon neutrality? Which technologies figure to play a vital role? What means of diversification exist towards reducing energy dependencies? The 16th ENERDAY - Conference on Energy Economics and Technology is being organized primarily as a face-to-face conference with the possibility of hybrid participation reserved for a few selected sessions. The ENERDAY provides a platform for discussing topics related to energy systems, markets and policies, with a special focus the role of existing energy assets and infrastructures in the context of the energy system transformation. Empirical analyses, modelling approaches, best practice examples, and policy and market design evaluations are of particular interest. Furthermore, research on the economics of the deployment of new technologies is also of relevance. Papers may be theoretical or of an applied nature and should address the following issues:

I. Cross-sectional topics

- **Energy supply**, e.g. potentials of renewable energies, supply dependencies, role of technologies and energy taxonomy, stranded assets, etc.
- **Energy and climate**, e.g. assessment of European climate and energy policy goals, level of achievement, interactions between policy instruments across Europe, regulation of non EU ETS sectors, etc.
- **Energy security**, e.g. adequacy and energy security, fluctuating renewable energies, energy dependencies, coal- and other fossil fuel-exits, capacity mechanisms, etc.
- **Energy efficiency**, e.g. efficiency benchmarking, best practice examples, self-supply, social norms to increase energy efficiency, counteracting rebound effects, energy management systems, RES in industry etc.
- **Energy innovation**, e.g. short-term and long-term trends in energy production, transportation, and demand, support policies along the life cycle (R&D, invention, demonstration, diffusion), technological foresight for scenario development, technology assumptions for energy modelling.

II. Sectoral analyses and case studies

- **Electricity sector**: renewable support schemes and pricing, infrastructure investments, sector coupling, etc.
- **Heating sector**: climate policy instruments, promotion of renewables in the heating sector, efficiency measures, etc.
- **Transport sector**: CO₂-emissions and benchmarks, hydrogen, electric mobility, new concepts and business models, etc.
- **Natural gas and oil sector**: Price developments and infrastructural analysis, inner-European markets, Energy Union, etc.

Paper Proposals

Please submit an extended abstract (max. 6.000 characters, in English, preferably including a short CV) by **25 July 2022** via the submission form at the webpage: <http://enerday.ee2.biz/>. You will receive a confirmation of acceptance by **8 August 2022** at the latest. Full presentations should be submitted by **23 September 2022** as a discussant will be assigned to each presentation (see below). Accepted abstracts will be included in the Conference Book of Abstracts. The final version of your presentation should be submitted by **7 October 2022** if you would like to have it published on the website after the conference.

Date and Venue

The conference will be held as an in-person event in Dresden (with the possibility of hybrid participation reserved for a few selected sessions) on **30 September 2022**. *All submitters of abstracts agree (in case of acceptance) to assume the role of discussant for one other speaker and to provide feedback on their presentation as well as facilitate discussion.* All participants are required to register as users in the conference tool on our website, which will be made available shortly.

Contact

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Organizing Institutions

The Chair of Energy Economics (EE²) at TU Dresden specialises in the techno-economic analysis of energy systems and markets. DIW Berlin, the German Institute for Economic Research, is one of the leading economic research institutes in Germany, carrying out fundamental research and policy advice, e.g. on transport, energy and environmental economics. The Workgroup for Infrastructure Policy (WIP) at Berlin University of Technology focuses on organizational models, financing and regulation of infrastructure sectors, mainly transport and energy.