



Energy Institute at JKU Linz - PROFILE

Who we are...

- Non-university research institute, founded in 2001
- Partner of Innovation of the Johannes Kepler University Linz
- Legal form: Association - not profit-oriented
- Current status 08/2024:
 - 45 employees
 - 100 R&D projects p.a.
 - Currently 90 ongoing projects (10 HORIZON-EU projects)
- Departments:
 - Energy Economics
 - Energy Law
 - Energy Technology (*Technology Assessment*)



- Energieinstitut an der JKU Linz is a professional project partner where **multi- and transdisciplinary** knowledge is required in the energy research segment.
- In the three scientific departments of Energy Economics, Energy Law and Energy Technology, we conduct research especially in the following areas:
 - Energy infrastructure
 - Energy behavior, commitment & acceptance
 - Market design & regulation
 - Industrial processes & circular economy
 - Hydrogen & CCUS & Power-to-X
 - Energy communities & demand flexibility



Key methods (Part 1)

- **Holistic approach / multidisciplinary team**
- **Economic analyses**
 - Macroeconometric simulation
 - Regulatory economics
 - Public Choice Analysis, Governance
 - Roadmapping
- **Socio-economic and socio-technical analyses**
 - Contingent Valuation methods - complex surveys
 - Willingness to pay / to accept (choice experiments)
 - Econometric analyses
 - Business models / New approaches for end customers
 - Stakeholder analyses



Key methods (Part 2)

- **Legal & regulatory analyses**
 - Further development of legal matters
 - Energy regulation
 - Status quo analyses
- **Ecological analyses**
 - Life Cycle Assessment
 - Life Cycle Costs
 - Critical raw materials
 - Emission balances
- **Techno-economic analyses**
 - Learning curve analyses
 - Value added analyses
 - Total Costs of Ownership
 - Benchmark analyses

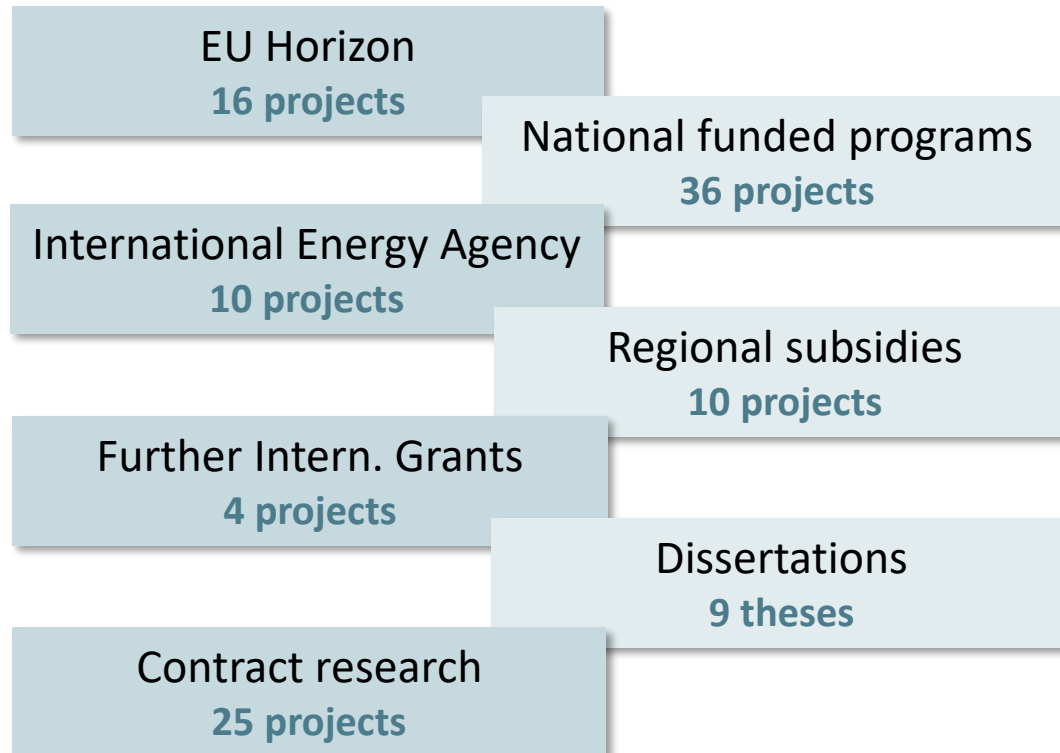


Additional "features "

- Member of Hydrogen Europe Research
- Member of the European Energy Research Alliance (EERA)
- Member of DHC+ (European research in district heating and cooling)
- Member of the Climate Change Center Austria (CCCA)
- Represented in the Austrian Regulatory Commission
- Represented at the Constitutional Court of Austria
- Founder of the Future Energy Lab at the University of Linz
- Partner of Innovation of the JKU
- Member of the Climate Council of Upper Austria
- Member of the Upper Austrian Hydrogen Strategy Board
- Member of the Upper Austrian Digitization Task Force
- Members of the National Technology Platform Smart Grids Austria
- Author of the JKU Roadmap for CO₂-Neutrality
- etc...



Example: Project structure 2023



Take away – Energy Institute at JKU Linz...



.... pursues a holistic and multidisciplinary approach to the development of the energy system.

