



25 SEP - 26 SEP 2025
frizzforum
BERLIN

ENERGY EVALUATION EUROPE CONFERENCE 2025

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DRAFT DETAILED PROGRAMME, as of 14/04/2025

This draft detailed programme includes the concurrent sessions where the papers and extended abstracts will be presented (including the poster session). Plenary sessions and the schedule with times will be included in the next version to be published in May.

<p>Session 01 – Buildings I: What measures to improve cost-effectiveness? moderator: Dominique Osso (EDF, France)</p>	<p>Session 02 – Companies I: What policies work best? moderator: Lisa Groves (Ricardo Energy & Environment, UK)</p>	<p>Session 03 – Improving impact evaluations and policy design I: Integrating Evaluation in the Policy Cycle moderator: Christine Wörlen (Arepo Consult, Germany)</p>
<ul style="list-style-type: none">▪ A Framework to Evaluate One-Stop Shop Business Models for Energy Renovations Ragy Elgendy (Delft University of Technology, The Netherlands)▪ On the added value of utility-sponsored energy efficiency subsidies: Insights from the French White Certificates program, Phase III Pille-Riin Aja (CIRED, France)▪ Cost-effective allocation of energy efficiency subsidies in residential buildings Danai Sofia Exintaveloni (TEESlab - UPRC, Greece)	<ul style="list-style-type: none">▪ Accelerating Transition by Energy Efficiency and Climate Protection Networks Eberhard Jochem (Fraunhofer ISI)▪ Which Policy Instrument encourages Companies in the Industrial Sector to reduce more Greenhouse Gas Emissions? Thomas Leu (ZHAW, Switzerland)▪ Understanding the links between Policy design and Energy efficiency in the European Industry sector: An exploratory quantitative analysis Julie Vuignier (Geneva University, Switzerland)	<ul style="list-style-type: none">▪ Lessons in Real Time: Evaluation of California's Building Decarbonization Push Rory Cox (Enerelle Consulting, Slovenia)▪ Impact and Process Evaluation of Energy Efficiency Programmes – Lessons Learned from North America and their potential implementation in Europe Amandine Gal (Econoler, Switzerland)▪ Ex-post evaluation of legislative framework for energy efficiency in buildings in Croatia within Better Regulation framework Vesna Bukarica (EIHP, Croatia)

Session 04 – **Buildings II**: Retrofit Revolution: Decoding Local-to-Global Impacts

moderator: **Daniel Cabrera** (Geneva University, Switzerland)

- Local Money for Global Climate? Impact and Incidence of Regional Renovation Subsidy in Paris Area | **Louis-Gaëtan Giraudet** (CIRED, France)
- A Data-Driven Approach to Evaluating Energy Savings Per Household: Insights from Ireland's Retrofit Grant Programmes | **Usman Ali** (SEAI, Ireland)
- Evaluating Energy and Carbon Impacts of Ireland's Warmer Homes Scheme Using Granular Retrofit Data | **Andrew O'Callaghan** (SEAI, Ireland)

Session 05 – **Companies II**: the German experience

moderator: **Claudia Toro** (ENEA, Italy)

- Scope, scale, strategy: Insights from the evaluation of company specific decarbonization plans | **Alexandra Löwenstein** (Institute of Energy Economics and Rational Energy Use, Germany)
- Fork-lifts at the forking point: Evaluating technology open funding schemes with dominating technologies | **Simon Hirzel** (Fraunhofer ISI, Germany)
- Effectiveness of energy audits for SMEs and municipalities: Assessing the impacts of Germany's energy audit programme for non-residential buildings | **Marc Blauert** (Technopolis Group, Germany)

Session 06 – **Improving impact evaluations and policy design II**: From evaluation results to policy improvements

moderator: **Nele Renders** (VITO, Belgium)

- Invisible savings: How data deficiencies in energy efficiency of micro-enterprises influence policy design | **Ivana Rogulj** (IEECP, Croatia)
- Results and recommendations from a five-year evaluation of Germany's flagship programme for energy and resource efficiency in industry | **Lisa Neusel** (Fraunhofer ISI, Germany)
- Using evaluation findings to support the energy transition – Germany's Energy Research Programme as a learning programme | **Michael Dinges** (Austrian Institute of Technology, Austria)
- From Evaluation to Action: Comparing Frameworks for Assessing Implementation Barriers in Climate Policy | **Guido Ropers** (Arepo Consult, Germany)

Session 07 – **Buildings III: Energy Performance Ratings and Energy Performance Gap**

moderator: **Joel Franklin** (SEAI, Ireland)

- Enhancing the Evaluation of Dutch Heat Transition Policies: going beyond the Energy Performance Gap | **Matilda Tsekpokumah** (Utrecht University, Netherlands)
- Application of Tree-based Machine Learning Models for Energy Performance Certificates Predictions of Dwellings in The Netherlands | **Isai Magan** (TNO, the Netherlands)
- Beyond the label. A method to better estimate residential energy efficiency, based on combining incomplete energy labels with comprehensive administrative microdata | **Lydia Geijtenbeek** (TNO, the Netherlands)

Session 08 – **Navigating the EED Maze: Unraveling Article 8/11 Transpositions in Member States**

moderator: **Lisa Neusel** (Fraunhofer ISI, Germany)

- From Compliance to Impact: Evaluating Energy Efficiency Measures in Portugal and Italy | **Claudia Toro** (ENEA, Italy)
- Evaluating the Implementation of Energy Efficiency Measures from Article 8 and the Path to Article 11 Compliance | **Chiara Martini** (ENEA, Italy)
- Enhancing Energy Audits: Improving Data Quality and Including Non-Energy Benefits to Promote Energy Efficiency in Industry | **Sofia-Natalia Boemi** (IEECP, Greece)
- Practices to Collect and Assess Data on Energy Audits and Energy Management Systems to Inform the Implementation of the European Energy Efficiency Directive | **Ada Elsa Claus** (DENA, Germany)

Session 09 – **Improving impact evaluations and policy design III: Fishbowl on Implementation Science**

moderator: **Alexandra Bussler and Christine Wörlen** (Arepo Consult, Germany)

Breaking Barriers: Applying Implementation Science to Enhance Energy and Climate Policy Effectiveness

Fishbowl session

POSTER SESSION

- Farewell to gas: Ex-post evaluation of a case study replacing a boiler with a heat pump solely based on available smartmeter data | **Dominique Osso** (EDF, France)
- Energy Poverty and its Impact on Regional Competitiveness: Evidence from Bulgaria | **Nikolay Sterev** (UNWE-Sofia, Bulgaria)
- Drivers and barriers for investment decision about zero-emission renovations of non-residential buildings | **Hanna Jonker** (TNO, the Netherlands)
- Decarbonizing Mobility in the South Region of France: A Comprehensive Approach for Political Action | **Florent Gauthier** (ENERDATA, France)
- Sustainable Local Heating and Cooling Plans for South European cities | **Joana Fernandes** (ADENE, Portugal)
- The EU's Cost Of Gas Lighting | **Frederic Berger** (Fraunhofer ISI)
- Resource efficiency audits: key performance indicators as tools to evaluate potential savings | **Ana Cardoso** (ADENE, Portugal)
- Preliminary Impact Assessment of an Innovative Near Zero Emissions Biomass Energy Supply System | **Thomas Goetz** (Wuppertal Institute, Germany)
- Evaluating the Appropriateness of Building Services Energy Benchmarks for Achieving UK Net Zero Targets | **Christina Francis** (London South Bank University, UK)

<p>Session 10 – Keeping an eye on the ball: the role of energy poverty and income effects in the heat transition</p> <p>moderator: Robert Harmsen (Utrecht University, the Netherlands)</p>	<p>Session 11 – Top-down Analysis and Monitoring</p> <p>moderator: Wolfgang Eichhammer (Fraunhofer ISI & IEECP, Germany)</p>	<p>Session 12 – Improving impact evaluations and policy design IV: Bridging ex-post and ex-ante</p> <p>moderator: Stefan Thomas (Wuppertal Institute, Germany)</p>
<ul style="list-style-type: none"> ▪ Targeting Energy Poverty under the Energy Efficiency Obligation Scheme: A Survey-Based Analysis for Türkiye Rabia Cin (Istanbul Technical University, Turkey) ▪ Who gets measured, matters: Data justice in European energy poverty indicators Harriet Thomson (University of Glasgow, UK) ▪ Beyond energy poverty: The distribution of vulnerability to high energy prices across heterogeneous households in The Netherlands Peter Mulder (TNO & Utrecht University, Netherlands) ▪ Unequal Income Effects of Home Insulation and Heat Pump Adoption across Heterogeneous Households: A Microsimulation Analysis for the Netherlands Casper Tigchelaar (TNO, the Netherlands) 	<ul style="list-style-type: none"> ▪ Industrial Energy Use, Efficiency, and Savings: Methods for Quantitative Analysis Janita Andrijevskaja (Tallinn University of Technology, Estonia) ▪ Energy savings calculations: Impact of a higher data granulometry on top-down methodology, case of the French industry Didier Bosseboeuf (ADEME, France) ▪ Evaluating Climate Policy Progress: Comparing Tools and Metrics for Effective Monitoring Guido Ropers (Arepo Consult, Germany) ▪ New methods to assess the impact of energy efficiency policies on energy efficiency, energy consumption and energy savings in the EU Member States Paolo Bertoldi (Eurostat, Luxembourg) 	<ul style="list-style-type: none"> ▪ Bridging ex-ante and ex-post assessments in environmental and climate policy evaluation Kelsey van Maris (VITO, Belgium) ▪ How is the residential building sector changing? Moving from global scenarios to building transition indicators to analyse deviations from targets Marie Rousselot (ENERDATA, France) ▪ Projections in hindsight for the buildings sector: understanding drivers for future policymaking Annabel Vella (VITO, Belgium)

<p>Session 13 – Broadening the scope: Multiple Impacts</p> <p>moderator: Kate Jenkins (Energy Saving Trust, UK)</p>	<p>Session 14 – Energy Demand reduction & Sufficiency - System perspective</p> <p>moderator: Louis-Gaëtan Giraudet (CIRED, France)</p>	<p>Session 15 – Improving impact evaluations and policy design V: Bridging top-down and bottom</p> <p>moderator: Julie Vuignier (Geneva University, Switzerland)</p>
<ul style="list-style-type: none"> Integrating multiple impacts and lifecycle assessment in the evaluation of energy efficiency funding programs Marcos Tenente (INESC Coimbra, Portugal) Evaluating Secondary Impacts of Energy Policy Measures: A Holistic Framework with Case Studies from Germany Iska Brunzema (Fraunhofer ISI, Germany) The hidden pitfalls in evaluating the cost-effectiveness of energy efficiency policies: a call for theoretical and quantitative rigor Tim Mandel (Fraunhofer ISI, Germany) 	<ul style="list-style-type: none"> Quantifying the Impact of Emergency Energy Conservation Measures: Evidence from Geneva's Two-WinterResponse to the 2022-2024 Energy Crisis J. Daniel Cabrera (Geneva University, Switzerland) A systems-based analysis of energy demand reduction policies success using fuzzy cognitive maps Guillermo Borragán (VITO, Belgium) Is green growth viable? - A technical approach Justus Heuer (University of Cologne, Germany) 	<ul style="list-style-type: none"> Understanding Drivers of CO₂ Emissions from Residential Energy Use: Insights for Policy-Makers Robert Harmsen (Utrecht University, the Netherlands) Increasing the use of national statistics data for monitoring energy efficiency in The Netherlands Joost Gerdes (TNO, the Netherlands) Towards 2030 and Beyond: Assessing Future Energy Efficiency Policies and Trends Using ODEX methodology Matevž Pušnik (Jozef Stefan Institute, Slovenia)

<p>Session 16 – Evaluating The Energy Efficiency First Principle: Approaches and Lessons Learned</p> <p>moderator: Guido Ropers (Arepo Consult, Germany)</p>	<p>Session 17 – Behavioral Insights for Better Policies: Examples about solar PV and Electric Vehicles</p> <p>moderator: Joost Gerdes (TNO, the Netherlands)</p>	<p>Session 18 – Pathways to Community-Centered Energy Transitions: Governance, Strategy, and Engagement</p> <p>moderator: Michele Bruchs (DNV, USA)</p>
<ul style="list-style-type: none"> How to estimate energy savings and other gains from application of the Energy Efficiency First Principle Jan Kaselofsky (Wuppertal Institute, Germany) The Energy Efficiency First Principle and the Role of Evaluation Stefan Thomas (Wuppertal Institute, Germany) <p><i>Followed by an open discussion about the role of evaluation in the implementation of the Energy Efficiency First principle</i></p>	<ul style="list-style-type: none"> Knock, knock! Who's there? Latent class modelling of private photovoltaic investors for better policy-making Michaela Makešová (Technical University of Prague, Czech Republic) Analysing solar installations: a catalyst or barrier to subsequent residential retrofits? Marek Bohacek (SEAI, Ireland) Tailoring Energy Policies Through Behavioral Determinants of User Profiling: Insights for Effective Energy Demand Management Marco Ortiz (VITO, Belgium) Measuring the travel and charging behaviour of new electric vehicle users in Ireland Joel Franklin (SEAI, Ireland) 	<ul style="list-style-type: none"> Governance for net zero project evaluation: experiences from UK local authorities Daniel Kerr (De Montfort University, UK) Developing a comprehensive logic model to support a new strategy for community focused energy programmes Shannon Finnan (SEAI, Ireland)