

European Climate and Energy Modelling Platform 2025 (ECEMP) CDMA, Brussels (Rue du Champ de Mars 21, 1050 Ixelles, Belgium) and online 16th to 17th October 2025@

European Energy Transition and Society: moving towards Implementation

ECEMP 2025 is on! This year's ECEMP edition mixes qualitative and quantitative research and modelling approaches to focus on accelerating implementation while continuing to deliver insights from modelling intercomparison in energy-climate transition analyses and embedding/simulating insights from the social sciences and humanities.

Program at a glance:

Day 1: October 16th, 2025		Day 2: October 17th, 2025			
09:00-10:00	Registration	09:00-09:30	Registration		
10:00-10:30	ECEMP Welcome	09:30-10:50	Presentations Session A1: Pathways & Instruments for 2040 Implementation	Presentations Session B1: Model Intercomparison & Assessment	
10:30-12:30 DECIPHE Natic Accurately for chest & see	Round table 1: R Towards climate resilience: mitigation, adaptation and biodiversity conservation investment pathways	11:00-12:20	Presentations Session A2: Distributional, Employment & Social Dimensions	Presentations Session B2: Infrastructure, Spatial Detail & Co-designed Systems	
12:30-13:30	Lunch	12:30:13:30	Lunch		
13:30-15:30 Capable	Round table 2: Going to net zero: how to make ambitious climate policies politically feasible?	13:30-14:50	Presentations Session A3: Trade, Industry & Sectoral Policy	Presentations Session B3: Heat, Fuels & Storage Transition	Special session 1: Mainstreaming Reflexive Practices in Systems Modelling Approaches
15:30-16:00	Coffee break	14:50-15:10	Coffee break		
16:00-17:15	Selected Papers Policy Session	15:10:16:30	Presentations Session A4: Markets, Security & Cross-border Coordination	Presentations Session B4: Risks, Governance & Policy Implementation	Special session 2: Developing clean and affordable transport – African perspectives and advancements
17:15-17:30 17:30-18:00 19:00-22:00	The ECEMF - EFECT Networks Closing Day 1 Conference Dinner @Kamilou	16:30-17:00	Closing Ceremony		and advancements

For further information please visit the conference website or contact us at: ecemp@ecemf.eu. Last edit 26/09/2025.













Day 1 | October 16th, 2025 | Detailed Program

10:00-10:30	Conference opening	Jakob Rager & OC
10:30-12:30 DECIPHER Tables declarated by the declarated a recovered 12:30-13:30	Round table 1: Towards climate resilience: mitigation, adaptation and biodiversity conservation investment pathways Lunch	Presentations Chair: Ugne Keliauskaite, BRUEGEL Zoi Vrontisi, E3Modelling/Ricardo Quentin Dupriez, DG CLIMA, European Commission Andrey Ceglar, ECB (cancelled) Elisa Lanzi, OECD Thomas Stoerk, National Bank Belgium (cancelled)
		Dropontational Chair, Albert Formari, FIII
13:30-15:30 Capable	Round table 2: Going to net zero: how to make ambitious climate policies politically feasible?	 Presentations Chair: Albert Ferrari, EUI Johannes Emmerling, CMCC Paolo Caridi, DG CLIMA, European Commission Patrizia Heidegger, European Environmental Bureau (cancelled) Tobias Kruse, OECD Jos Delbeke, EUI (online)
15:30-16:00	Coffee break	
16:00-17:15	Selected Papers Policy Session	 Presentations Chair: Davide Natalini & Jakob Rager How a positive tipping point cascade in power, transport and heating can accelerate the low-carbon transition - Femke Nijsse (canceled) Regional Inequality of the European ETS-2 - Marc Vielle Workforce needs of the EU Green Deal - Rafael Garaffa Coping with the Dunkelflaute - Martin Kittel
17:15-17:30 17:30-18:00 19:00-22:00	The ECEMF - EFECT Network Closing Day 1 Conference Dinner at Restaurant "Kamilou" →	Johannes Emmerling, CMCC and Hans Auer, TU Wien Davide Natalini, Anglia Ruskin University Rue Joseph II 36, 1000 Bruxelles













Day 2 | October 17th, 2025 | Detailed Program

09:00-09:30 Registration & Coffee

09:30-10:50 **Presentations** Session A1: Pathways & Instruments for 2040 **Implementation** Presentations | Chair: Davide Natalini

- From net-zero to zero-fossil in transforming the EU energy system, Felix Schreyer
- Modelling Decarbonisation Pathways in Europe: Balancing Ambition and Economic Feasibility, Kong Chyong
- And yet it moves: a decade of Global Energy and Climate Outlooks yields lower emission and temperature projections, Kimon Keramidas
- Promoting evidence-based energy transition policies in rural EU regions: a bottom-up demand-side modelling analysis of real-life residential pilots, Dimitris Papantonis (cancelled)

Presentations Session B1: Model Intercompariso n & **Assessment**

Presentations | Chair: Georgios Xexakis

- Charting the path to climate neutrality in the EU: Insights from a model comparison exercise, Robert Pietzcker
- Comparing cost-optimal to policy-driven scenarios for a decarbonised European energy system, Dirk-Jan van de Ven
- Is there no alternative? It is time energy planning models looked beyond cost-optimal solutions, Francesco Lombardi and Fabian Neumann
- When forecasts meet, reality: Assessing Climate Damage Functions, Johannes Emmerling (CMCC)

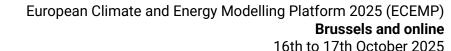














11:00-12:20 **Presentations** Session A2: Distributional. **Employment &** Social **Dimensions**

Presentations | Chair: Albert Ferrari

- Disparity-aware energy system modelling resolves potential transition injustices, Meijun Chen Spatial Detail &
- Assessing economy-wide employment impacts of the EU Net zero transition, *Ioannis* Charalampidis
- Views of EU citizens on economic growth and implications for climate policy, Ivan Savin
- Renewable generation capacity expansion: Can we fairly balance system cost and land-use inequality across Europe?, Jann Launer and Stefan Pfenninger-Lee

Presentations Session B2: Infrastructure, Co-designed **Systems**

Presentations | Chair: Johannes Emmerling

- Bridging the gap: a review of future energy infrastructure needs and their representation in long-term integrated energy system models, Roelof Stam, Machteld van den Broek (cancelled)
- Integrating Spatial Granularity into Climate Policy Analysis: A CGE–GIS Framework for the European Union, Sigit Perdana
- Cities at the forefront: current modelling practices and opportunities for integrated assessment models—insights from Athens, Greece, Georgios Xexakis
- Energy Systems Beyond the Optimum: Insights from Five Projects on Social and Environmental modelling, Cristina Madrid-Lopez, Alexander de Tomas Pascual, Miquel Sierra Montoya

12:30-13:30 Lunch

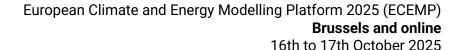














13:30-14:50 **Presentations Session A3:** Trade, Industry & **Sectoral Policy**

Presentations | Chair: Zoi Vrontisi

- Pricing GHG emissions in agriculture: accounting for trade and fairness for effective climate policy, Toon Vandyck
- Friendshoring Germany's green materials production to Europe, Toni Seibold
- Climate policy in a world with fragmented international trade, Camille Van der Vorst
- The European Refinery: Effects of Carbon Accounting in the EU ETS on the Future of Fossil Oil. Simon Lukas Bussmann

Presentations **Session B3:** Heat, Fuels & Storage **Transitions**

Presentations | Chair: *loannis* Charalampidis

- A mix of long-duration hydrogen and thermal storage enables large-scale electrified heating in a Practices in renewable European energy system, Alexander Roth
- Technologically constrained EU mitigation pathways in the light of M.A. Abhigya geopolitical and sociopolitical risks, *Eleftheria Zisarou*
- The Minimal Methanol Economy as a Gap-Filler for High Electrification Scenarios. Fabian Neumann
- A pathway for EU deep-decarbonization from a technology perspective, Moritz Wegener

Special session

Mainstreaming Reflexive **Systems** Modellina Approaches, and Gerlich Voitěch In this workshop, we invite participants to engage in a reflexive exercise that explores how factors beyond socio-economic interests—such as epistemic values, disciplinary training, and methodological preferences—sh ape the design of future scenarios.

14:50-15:10 Coffee break

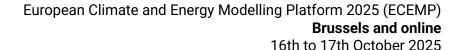














15:10-16:30 **Presentations** Session A4:

Markets, Security & Cross-border Coordination

Presentations | Chair: Tars Verschelde

- Balancing Energy Security and Decarbonisation: A Comparative Analysis of the Effects of Carbon Pricing Strategies on the Decarbonisation of the EU **Energy System via Coupled** Modelling approach, Joan Enric Alcover Comas
- Unravelling CO2 Value Chain Participation under Negative **Emission Pricing and EU Industry** Relocation, Flore Verbist
- Finding the most effective instruments: The effect of enabling policies on ETS2 prices, Robert Pietzcker
- Carbon price or installation ban how to decarbonise space heating in the EU?, Robin Hasse

Presentations Session B4: Risks, Governance & **Policy**

Implementation

Presentations | Chair: Jakob Rager Sectoral decarbonization

pathways for the EU and China from a Dual-IAM Assessmentl PROMETHEUS and GCAM insights, Eleftheria Zisarou

- Co-Designing Stakeholder-Informed Research Questions: A Transdisciplinary Approach for Integrated Assessment Modelling, Stefanie **Briers**
- Modelling the European energy transition in the context of social and political developments, Patrickparticipation Jürgens
- The role of Projects of Common Interest in reaching Europe's energy policy targets, Bobby Xiona

Developing clean and affordable transport -**African** perspectives and advancements.

Special session

(Online only)

Program &

Online link

16:30-17:00 Closing Ceremony OC 2025,

Tars Verschelde for the ECEMP OC 2026









