



XXth Congress of the Spanish Association for Energy Economics (AEEE)

Energy transition: challenges
and opportunities for industry

2–4 June 2025, Bilbao

Tentative program: Parallel Sessions

Day	Topic	Room	Moderator	
Session I. Martes, 3 de junio, mañana (11:30-13h)	Session 1a: Energy efficiency and hydrogen.	Sala Elhuyar	Antonio F. Rodríguez Matas (IIT Comillas)	Socioeconomic, climatic, and structural determinants of household-led energy renovation decisions in Spanish residential building stock - Petr Mariel Chladkova, University of the Basque Country (UPV/EHU) Análisis y optimización energética del CEIP Divino Maestro - Pablo Maroto Herrera, University of the Basque Country (UPV/EHU) AdvancedH2Valley-Showcasing Advanced Hydrogen Valley in Western France - Iñigo Muñoz, Tecnalia Optimización de la distribución de hidrógeno para la descarbonización industrial: Un modelo metaheurístico georreferenciado - Juan Pedrero Alegría, Tecnalia
	Session 1b: Environmental Policy	Auditorio Arriaga	María Paz Espinosa (UPV/EHU)	Voluntary Climate Commitments and Environmental Management Systems: Do SBTi and ISO 14001 reinforce each other? - Rodrigo Cestau Oyhançabal, Universidad Pública de Navarra Regional redistribution potential of a National Environmental Policy: The Spanish PNIEC 2020-2030 - Maria Llop, Universitat Rovira i Virgili Spatial Polarization of Atmospheric Emissions: Evaluating the impact of Climate Change Mitigation Strategies - Lorena Remuzgo, Universidad de Cantabria La transición energética en España y seguimiento del PNIEC - Luis Rey, Basque Centre for Climate Change (BC3)
	Session 1c: Energy expenditure and energy poverty	Auditorio Oteiza	Cristina Pizarro-Irizar (UPV/EHU and BC3)	Understanding household energy expenditure in Spain: A quantile regression approach - Rakel Murillo, University of the Basque Country (UPV/EHU) Energy poverty in Spanish regions: A longitudinal analysis of policies - Leticia Blazquez Gómez, Universidad de Castilla-La Mancha Unequal Energy Burdens: Household Energy Vulnerability to Temperature Extremes in Spain - Alejandra Campero, University of the Basque Country (UPV/EHU) Do consumers dream of cheaper energy? Energy price shock effect on consumption - Xavier Raso-Domínguez, University of Fribourg
	Session 1d: Carbon pricing	Sala Barandiaran	Rebeca Jiménez-Rodríguez (Universidad de Salamanca)	The distributional effects of the EU Emissions Trading Scheme 2 and the Social Climate Fund - Antonio F. Amores, JRC Sevilla Oil, Gas, and Geopolitics: The port of Bilbao's role in Europe's energy game - Antonio García-Amate, Universidad Pública de Navarra How has the relationship between wholesale electricity price and EU allowance price changed across EU ETS phases? - Rebeca Jiménez-Rodríguez, Universidad de Salamanca CO2 emissions market and renewable energy, are they linked? The case of the EU ETS - Alex Sanz Fernández, Universitat Autònoma de Barcelona
Session II. Martes, 3 de junio, tarde (15:30-17:00h)	Session 2a: Session de proyectos I	Sala Elhuyar	Marco Barassi (University of Birmingham)	Cross-border energy planning for just transition in Southeast Asia - Daniel del Barrio Álvarez, University of Tokyo Advancing Sustainable Biojet Fuel: A Comprehensive Modeling Framework for Spain - Pedro Gerber Machado, IMDEA Gestión activa de la demanda y vehículos eléctricos: Implicaciones en el proyecto "PREVISOR" para la sostenibilidad de la red - Alicia Mortera Canga, IMDEA Energía
	Session 2b: Energy Transition	Auditorio Arriaga	Xaquín García (BC3)	Job winners and losers in the energy transition - Maria Moyano Reina, Basque Centre for Climate Change (BC3) Designing robust energy transition policy portfolios under deep uncertainty - Antonio F. Rodríguez-Matas, IIT Comillas From Regional Pioneer to Global Leadership: The Role of Public-Private Partnerships in Spain's Renewable Energy Transition (1985-2025) - Mar Rubio Varas, Universidad Pública de Navarra The fiscal and socioeconomic impact of the energy transition in the transport sector: the case of the Basque Country - Nerea Urrutia, University of the Basque Country (UPV/EHU)
	Session 2c: Consumer behaviour	Auditorio Oteiza	Diego García Gusano (Tecnalia)	Distributional impact of the revision of the Energy Taxation Directive in the EU: a gender perspective - Eva Alonso-Epelde, Basque Centre for Climate Change (BC3) Information, communication channels and electricity tariff choice: A Randomized Controlled Trial - David Boto-García, Universidad de Oviedo Climate Choices and the Clock: How Timing Shapes Action - María del Mar Solà, University of the Basque Country (UPV/EHU) Policy assessment for electromobility transition: research insights from a dynamic EV-aware CGE approach - Yolanda Bravo, Universidad de Zaragoza
	Session 2d: Firms and governance	Sala Barandiaran	Susan Orbe (UPV/EHU)	Empirical fundamentals of renewable energy consumption - Daniela Filip, European Central Bank ESG indicators in the energy sector. A robust Benefit of the Doubt approach - Roberto Gómez-Calvet, Universidad Europea de Valencia Measuring dependence across quantiles among European energy firms: A novel smooth quantile Kendall approach - Agueda Madoz, University of the Basque Country (UPV/EHU)



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Session III. Miércoles, 4 de junio, mañana (9:00- 10:30h)	Session 3a: Session de Proyectos II	Sala Elhuyar	Antonio F. Rodríguez-Matas (IIT Comillas)	Drive2X, A Bi-Directional Drive Towards Green Electrification - Juan Pedrero Alegria,Tecnalia Las transiciones energéticas del sistema eléctrico en España y Portugal en la segunda mitad del siglo XX: Economía, Política y Negocios - Joseba de la Torre,Universidad Pública de Navarra openMASTER: The open source Model for the Analysis of Sustainable Energy Roadmaps - Antonio F. Rodríguez-Matas, Manuel Pérez-Bravo, IIT Comillas
	Session 3b: Living conditions	Auditorio Oteiza	Stephanía Mosquera (Orkestra)	Impacto ambiental del desperdicio alimentario en los hogares españoles - María Ángeles Tobarra Gómez,Universidad de Castilla-La Mancha Impacto de las Decisiones de Consumo: Un Análisis la Ecoansiedad y su Relación con el Comportamiento Proambiental en Adolescentes - Nuria Gómez,Universidad de Castilla-La Mancha Improved living standards through reduction of income inequality does not jeopardize the achievement of existing climate pledges - Jon Sampedro,Basque Centre for Climate Change (BC3) Health impacts and socioeconomic inequalities of future outdoor air pollution in Europe - Clàudia Rodés-Bachs,Basque Centre for Climate Change (BC3)
	Session 3c: Clean vehicle	Sala Barandiaran	Macarena Larrea (Orkestra)	Clean vehicle ownership: implications for effective policy interventions - Mercè Amich Vidal,University of the Basque Country (UPV/EHU) Carbon Pricing in Road Transport: Effects on Living Costs and Welfare of Spanish Households - Manuel Tomás,Basque Centre for Climate Change (BC3) Participatory Governance in EV Implementation: A Case Study of the Canary Islands - Francisco Javier Calero García, Francisco Javier Ramos Real,Universidad de la Laguna Optimizing the energy generation cost with renewable resources using generic algorithms and evaluating the impact of Electrical Vehicles - Miguel Á. Rodríguez-López,Instituto Complutense de Estudios Internacionales (ICEI), Complutense University of Madrid
	Session 3d: Modelling energy markets	Auditorio Arriaga	Ainhoa Zarraga (UPV/EHU)	The KE (capital-energy) model of energy demand and decarbonization: An alternative to the CES approach - Iñaki Arto,Basque Centre for Climate Change (BC3) Electricity market reform proposals. A state-of-art review - María Serra-Soriano,Universidad de Valencia Sinusoid Functions to Forecast Electricity Prices Using Bid - Ainhoa Zarraga (UPV/EHU) Comparing cost-optimal to policy-driven scenarios for a decarbonised European energy system - Dirk-Jan van de Ven,Basque Centre for Climate Change (BC3)
Session 4. Miércoles, 4 de junio, mañana (12:30- 14:00h)	Session 4a: Climate finance	Auditorio Oteiza	Jone Ascorbebeitia (UPV/EHU)	Thriving on Uncertainty: Strategic Interaction and Long-Term Supplier Contracts in Oligopolistic Industries - Peio Alcorta,University of the Basque Country (UPV/EHU) Sector Risk in European Stock Markets in the Energy Transition Era: Who goes first? - Jone Ascorbebeitia,University of the Basque Country (UPV/EHU) Cambio Climático y Finanzas Sostenibles: Análisis de la Probabilidad de Incumplimiento del Riesgo de Crédito - Alberto López Rivas,Universidade da Coruña Measuring the effect of connectivity between commodity prices on European market risk - Naiara Prado Martin,University of the Basque Country (UPV/EHU)
	Session 4b: Fossil fuels and transport	Sala Barandiaran	Jacint Balaguer (Universitat Jaume I)	Modelling fossil fuel supply-demand dynamics within an integrated assessment model - Ole van Allen,University of Inland Norway Carbon emission cycles in the U.S.: Greening through browning? - José Emilio Boscá Mares,Universidad de Valencia A big-data approach to assess transport poverty: a case study of Madrid - Manuel Pérez-Bravo,IIT Comillas From Company-Operated to Dealer-Operated Fuel Stations: A Real Path to Greater Pricing Freedom? - Jordi Ripollés,Universitat Jaume I
	Session 4c: Energy Planning	Auditorio Arriaga	Aitor Ciarreta (UPV/EHU)	Economics of electricity grid interconnections: A heterogeneous markets' design context - Anas Damoun,University of the Basque Country (UPV/EHU) La planificación energética y sus instrumentos de aplicación en la industria - Pilar Lucea Franco,Universidad de Zaragoza
	Session 4d: Hydro and wind	Sala Elhuyar	Emilio Cerdà Tena (Universidad Complutense de Madrid)	The offshore wind in Spain: A discrete choice experiment - Emilio Cerdà Tena,Universidad Complutense de Madrid Winds blowing strong: wind power expansion in Aragon - Álvaro García Riazuelo,Universidad de Zaragoza Vulnerabilidad Climática y Decisiones de Inversión en Energía Renovable: Modelización del Umbral de Inversión en el Sector Eléctrico Español - Sara Cano Rodríguez,Universidad Pública de Navarra Snowmelt to Megawatts: Modeling Hydropower and its dependence on snowmelt water in a Hydro-Economic Framework - Guillermo Rodríguez-López,Universidad de Zaragoza