



A NEW REALITY #ecee2021

ecee 2021 Summer Study
on energy efficiency • 7 – 11 June 2021
DIGITAL EVENT

Monday 7th June 2021 (All times CET) updated 18 May **Note:** four (4) parallel sessions

10.30–12.00 (opening plenary) PROGRAMME TBA	

12.30–14.00 (parallel session) PANEL 1. Session I: From energy services to need satisfaction	
1-010-21 Household final energy footprints in Nepal, Vietnam and Zambia: composition, inequality and links to well-being	Marta Baltruszewicz
1-080-21 Social and material cogs of the needs satisfier escalator	Noel Cass
1-097-21 From capabilities to capacity: Examining core power capacity requirements in the UK residential sector under the capabilities framework	Jose Luis Ramirez-Mendiola
1-029-21 Socio-economic conditions for satisfying human needs at low energy use: an international analysis of provisioning factors	Jefim Vogel

12.30–14.00 (parallel session) PANEL 2. Session I: Looking back and ahead: lessons learned and introduction of future concepts and approaches	
2-002-21 What have we learnt and what have we missed?	Hans Nilsson
2-116-21 Demanding, distributing and selling energy flexibility: How dynamic tariffs transformed the Danish electricity market and what to do next	Anders Rthiger Hansen
2-011-21 Data Center Infrastructure and Energy Gentrification	Frans Libertson
2-199-21 A view from within: advocating for EU citizens right to act collectively at community scale	Nelson Silva Brito

12.30–14.00 (parallel session) PANEL 4. Session I: Evaluating and monitoring energy renovations	
4-033-21 Advanced Monitoring And Evaluation of Social Housing Renovations	Herman van der Bent
4-103-21 Evaluation of an incentive scheme for the energy renovation of low-income households: a micro-economic modelling of a great policy with marginal impact	Patrice Nogues
4-121-21 Target/actual comparison and benchmarking used to safeguard low energy consumption in refurbished housing stocks	Tobias Loga

12.30–14.00 (parallel session) PANEL 9. Session I: Heating & Cooling: Solutions that should be the new normal?	
9-003-21 Heating with Air Conditioners – fast and affordable transition towards carbon neutrality?	Andrea Roscetti
9-216-21 Heating & Cooling equipment: Fixing problems (sufficiency) and/or investing in a new equipment (efficiency)	Sophie Attali
9-087-21 Standard and Labelling for Evaporative Air Coolers: A Roadmap to Affordable & Sustainable Space Cooling Solutions in India	Srishti Sharma
9-024-21 Comparison of energy efficiency requirements of comfort fans in Europe and in Asia	Hélène Rochat

14.30–16.00 (parallel session) PANEL 2. Session II: Energy Efficiency (First): Policies, drivers and barriers	
2-075-21 Conceptualizing the "Energy Efficiency First" principle: from foundations to implementation	Tim Mandel
2-069-21 "Efficiency First" in practice	Zsuzsanna Pató
2-163-21 Maximising the synergies between carbon pricing and Article 7 of the Energy Efficiency Directive (EED)	Ivana Rogulj
2-052-21 Introducing minimum energy performance standards across Europe	Louise Sunderland

14.30–16.00 (parallel session) PANEL 3. Session I: Going the next step - Decision making to foster energy efficiency	
3-022-21 Effectiveness of rebate programmes: Swiss case studies	Eric Bush
3-074-21 Finding the right way for a Super ESCO to take off. The case of SOFIAC in Canada and beyond	Amandine Gal
3-098-21 Holistic project development and implementation support for industrial efficiency and renewable projects	Jürgen Fluch, Winfried Braumann
3-141-21 Looking behind decarbonisation - what pressure points trigger action?	Stefan M. Büttner

14.30–16.00 (parallel session) PANEL 5. Session I: Goals and pathways for sustainable cities	
5-187-21 Integrative, multidisciplinary, evidence based and participatory approach to implement ambitious energy and climate goals in cities	Deborah Zulliger Martin Jakob
5-079-21 Urban Net Zero and 100% Renewable Energy Pathways during COVID19	Kerry Constable
5-188-21 Policy networks and power relations: What determines the success of social innovation in energy within cities?	Iska Brunzema
5-082-21 What we can learn from living in Village Homes, Davis California	Ricardo Amon

14.30–16.00 (parallel session) PANEL 7. Session I: Building performance and regulation	
7-114-21 Next-generation Energy Performance Certificates and Deep Energy Renovation	Stefan Thomas
7-148-21 Driving Existing Building Energy Improvement: Building Codes and Performance Standards - a tale of two regulatory routes	Adam Hinge
7-202-21 How far are Portuguese residential buildings from NZEB?	Luís Amado
7-059-21 Saving Energy in Unoccupied Buildings	Alan Meier

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Thursday 10th June 2021 (All times CET) updated 18 May

Note: Four parallel sessions

10.30–12.00 (parallel session) PANEL 3. Session IV: Beefing up energy efficiency policies		
3-060-21	How to ascertain a reasonable obligation level in an Energy Efficiency Obligation scheme: between	Dominique Osso
3-156-21	Towards shared legal foundations for the global energy transition	Tedd Mose
3-168-21	Stronger Effort Sharing Regulation targets can drive compliance with an Article 7 of the Energy Efficiency Directive aligned with the 55% climate	Samuel Thomas
3-196-21	How has COVID19 influenced the impacts of the policies related to Article 7 of the Energy Efficiency Directive?	Livio De Chicchis

10.30–12.00 (parallel session) PANEL 4. Session IV: Learning from real life		
4-048-21	The good, the bad and the ugly: Real life stories of end-user engagement evaluation in energy	Richard Bull
4-090-21	Like a stick and no carrot: ex-post analysis of public sector energy efficiency	Andra Blumberga
4-173-21	Learnings from 5 years of monitoring the German market for energy efficiency services. A market-based approach towards energy efficiency	Stela Ivanova Dominik Rau

10.30–12.00 (parallel session) PANEL 5. Session IV: New planning and evaluation methods for sustainable cities		
5-063-21	Creating sustainability benefits by planning for integration of garden cities in the urban scale	Efstathia Vlassopoulou
5-133-21	Spatio-temporal mapping of local areas for engaging communities in the planning of smart local energy initiatives	Rajat Gupta
5-176-21	Urban social sustainability: development of an indicator set	Mahsa Bagheri

10.30–12.00 (parallel session) PANEL 9. Session IV: Products, Technologies and Policy Implications I		
9-162-21	Power consumption and energy efficiency potentials in data centers: a case study from Switzerland	Jonas Müller
9-083-21	Technology and Policy Roadmap for Energy Efficient Cold Storages in India	Tarun Garg
9-160-21	Considerations for the prediction of trends in luminous efficacy of LED products	Steve Coyne

12.30–14.00 (parallel session) PANEL 2. Session V: Guiding future policy innovation		
2-027-21	Do policymakers pay enough attention to energy demand for a just transition to net-zero? Results from a survey of UK energy experts and stakeholders	Colin Nolden
2-134-21	The role of policy in creating opportunities for alternative futures in heat decarbonization	Katherine Lovell
2-119-21	The role of knowledge exchange in energy efficiency policy innovation	Clare Downing

12.30–14.00 (parallel session) PANEL 6. Session III: Hydrogen, fuel cells & freight sector logistics		
6-017-21	BEV, PHEV, ICE Vehicles and the Role of Hydrogen Storage and Carbon Capture and Storage for Decarbonisation of Private Transport	Torsten Clemens
6-088-21	Fuel Cell or H2 combustion engine: Alternatives for heavy-duty vehicles in Germany and India?	Steffen Link
6-124-21	Comparison of Cooling Technologies for Transport Logistics	Sebastian Leopoldus

12.30–14.00 (parallel session) PANEL 7. Session V: System integration		
7-215-21	PV installation: The role of property owners of non-residential buildings in energy transition	Katharina Reindl
7-222-21	Enabling Positive Energy Districts across Europe: energy efficiency couples renewable energy	Sophie Shnapp
7-223-21	Untapping multiple benefits: hidden values in environmental and building policies	Daniele PACI

12.30–14.00 (parallel session) PANEL 9. Session V: Products, Technologies and Policy Implications II		
9-056-21	Energy Efficiency of Consumer Electronics and Household Appliances on the European Union Market: Statistics derived from the EU Product Registration database for Energy Labelling	Karsten Schischke
9-021-21	Energy regulations: Transferring lessons from household to commercial appliances	Maïke Hepp
9-023-21	Energy efficiency labels for residential and commercial Coffee Machines	Nadja Gross

14.30–16.00 (parallel session) PANEL 1. Session V: From stories to societal trends		
1-071-21	Between bottom up and top-down initiatives, the path to sustainable mobility in Rural France	Aurore Flipo
1-179-21	Clothing, comfort and energy demand: A critical review	Janine Morley
1-157-21	Understanding the controversial impact of new societal trends on long-term energy demand in European countries	Nadezhda Mikova
1-169-21	Recasting Stories about Energy in a Post-Pandemic World	Noam Bergman, Kathryn Janda

14.30–16.00 (parallel session) PANEL 4. Session V: Reflecting on methods		
4-164-21	Standardized savings calculations within Europe: exchanging EED practices to streamline theory and practice	Nele Renders
4-158-21	Energy Efficiency Directive 3.0: Can "metered savings" approaches support EU's Renovation Wave objectives?	Marion Santini
4-127-21	Monitoring the climate and energy policy implementation – How to make a step forward	Barbara Petelin Visočník
4-230-21	Likert Surveys / Scales are Too Simplistic – Better and More Useful Alternatives in Four Applications in Energy Efficiency	Dana D'Souza

14.30–16.00 (parallel session) PANEL 8. Session IV: Methodologies for better decision and quality towards carbon neutrality in buildings		
8-151-21	A novel approach for assessing the multiple benefits of energy efficiency technologies	Marcos Tenente
8-078-21	Low-carbon retrofit of UK social housing and overheating risks: causes and mitigation strategies	Daniel Kerr
8-091-21	Visualising Defects via Thermography (DeViz): A combined technological, behavioural and quality systems approach to achieving near zero defect buildings	Julie Goodhew Matthew Fox
8-095-21	Hot air or real solution? What role can decentralized ventilation systems play?	Agneta Persson



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10.30–12.00 PANEL 3. Session V: Who's to pay?		
3-145-21	KPIs in CSR reporting as a vehicle for climate neutrality	Diana Wang
3-159-21	The EU Taxonomy on sustainable economic activities – challenges deriving from the reference to the EU Taxonomy in different legislative and political contexts and its implications for energy efficiency investments	Bettina Dorendorf
3-174-21	Market Growth Models for Energy Efficiency Financing	Klemens Leutgöb
3-177-21	Criteria for climate-compatible building finance in Switzerland	Lia Weinberg Christian Hofer

10.30–12.00 (parallel session) PANEL 5. Session V: Local energy systems and the influence of our behavior		
5-066-21	Roles & Motivations of potential new stakeholders in the evolving decentralized electricity system: An exploratory forward-looking perspective survey	Elad Shaviv
5-105-21	Energy equity, actor and system capability in a smart local energy system: lessons from Project LEO	Nick Banks
5-085-21	The role of Demand Response in India's energy future	Chandana Sasidharan
5-136-21	Analysis of influence of landuse/land cover changes on the land surface temperature of Växjö Municipality, Sweden	Aarthi Aishwarya Devendran

10.30–12.00 (parallel session) PANEL 8. Session V: Combining smart building features for energy efficient buildings		
8-093-21	Evaluation of smart energy system solutions in a recently constructed multifamily apartment building in Småland, Sweden	Katarina Rupar-Gadd
8-144-21	On the smart buildings-smart grid interactions	Alvaro Gomes
8-205-21	Nudging the delivery of the EED through home-IoT and digital user interfaces	Stratos Keranidis
8-037-21	User Engagement Analysis for Smart Buildings based on Social Trend Tracking	Jiao Jiao

12.30–14.00 (parallel session) PANEL 7. Session VI: Policy		
7-183-21	Ghosts and gaps – Enabling local rapid change solutions to the Climate Emergency	Aaron Gillich
7-130-21	Tackling fuel poverty: an overview of Portugal's public policies and missed opportunities	Ricardo Robles
7-129-21	The elephant in the room and how can you nudge them?	John Rowlatt

12.30–14.00 (parallel session) PANEL 9. Session VI: Product regulation: Becoming digital, environmental and system-oriented		
9-061-21	High hopes, harsh realities: Towards an EU digital product passport	Thomas Adisorn
9-008-21	Transforming product efficiency policy into system efficiency policy	Hans-Paul Siderius
9-218-21	Mercury and RoHS: The link between environmental regulations and efficiency	Michael Scholand
9-006-21	Residential Network-connected Electricity Consumption in Germany	Nashua Suzaly

12.30–14.00 (parallel session) PANEL 6. Session IV: Sufficiency and other strategies for reducing transport emissions		
6-123-21	Fuel Suppliers under Energy Efficiency Obligation schemes – suitable for energy savings in transport?	Nikolaos Liapis
6-109-21	Sufficiency in transport policy – An analysis of EU countries' national energy and climate plans and long-term strategies TO BE CONFIRMED - discussion on sufficiency in transport	Carina Zell-Ziegler