
EUROPEAN COUNCIL
FOR AN ENERGY EFFICIENT
ECONOMY
30 YEARS SINCE 1993
efficiency:
powering on
#eceee2026
eceee 2026 Summer Study
on energy efficiency
Center Parcs, Lac d'Ailette
Hauts-de-France • 1–6 June


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Music
new bands (all female), instruments of extreme size

At home
Sheeps & chickens, 7m working height scaffold tower

At eceee
First times, all water slides on Day 1

Panel 1

Dynamics of people: consumption & empowerment

Personal preferences
Carrots over coffee, no lettuce, gardening addict, Lord of the rings nerd, „I hate the color green“

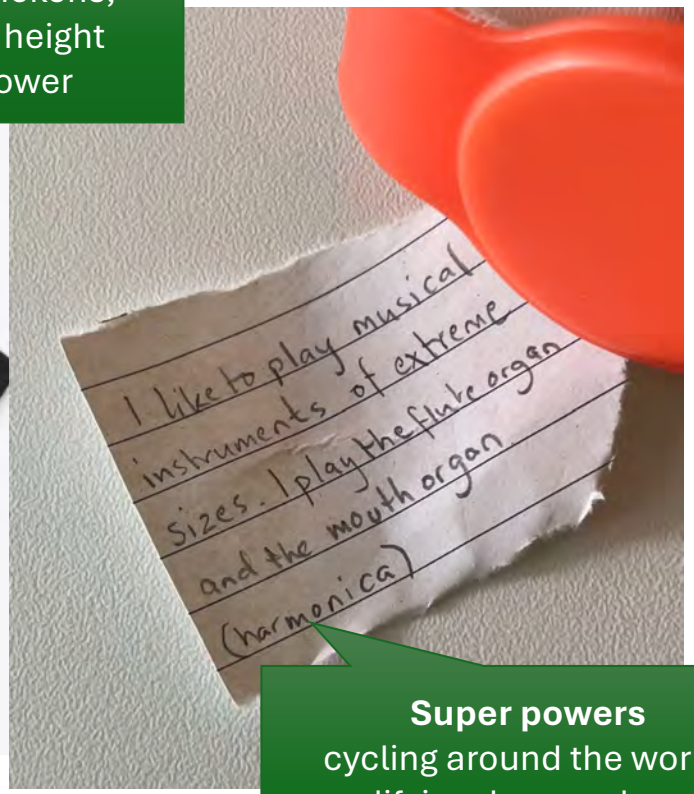
Super powers
cycling around the world, modifying dreams, karaoke maschine, naming all countries

Music
new bands (all female), instruments of extreme size

At home
Sheeps & chickens, 7m working height scaffold tower



„I once produced a line of t-shirts featuring obscure signs from the London public transport system“



Personal preferences
Carrots over coffee, no lettuce, gardening addict, Lord of the rings nerd, „I hate the color green“

Super powers
cycling around the world, modifying dreams, karaoke maschine, naming all countries

Smart Meter Data, Rebound & Satisfaction

Participation & Co-Design

Future Trends & Emerging Practices

Panel 1

Dynamics of people: consumption & empowerment

Sufficiency & Energy Equity

Energy Poverty & Vulnerable Groups (I+II)


Building
a sustainable
energy future
together.
Welcome to the
14th European Council
for an Energy Sufficient
Economy conference.
Theme:
How to do even less
while still doing more

Panel 2



Electrification changes the way we need to think about energy demand



Thinking about people helps us design the best policies...



So does thinking more locally...



And we may need to reframe things to fully understand



Panel 3 in numbers

- 22 presentations in 8 pannels (2 short of a full house)
- Audience – 21 on average (low of 10, high of 34)
- Geographical coverage: EU, UK, Switzerland, USA, India
- 2 presentation from European Commission representatives
- We had to stop 0 presentations – people kept the time
- We spotted only 3 people fall asleep

Policy, governance and finance

Antonia Mercado
Tomislav Novosel



Modelling and evaluation

Local action

Labelling and enforcement

Heating and cooling planning and strategy

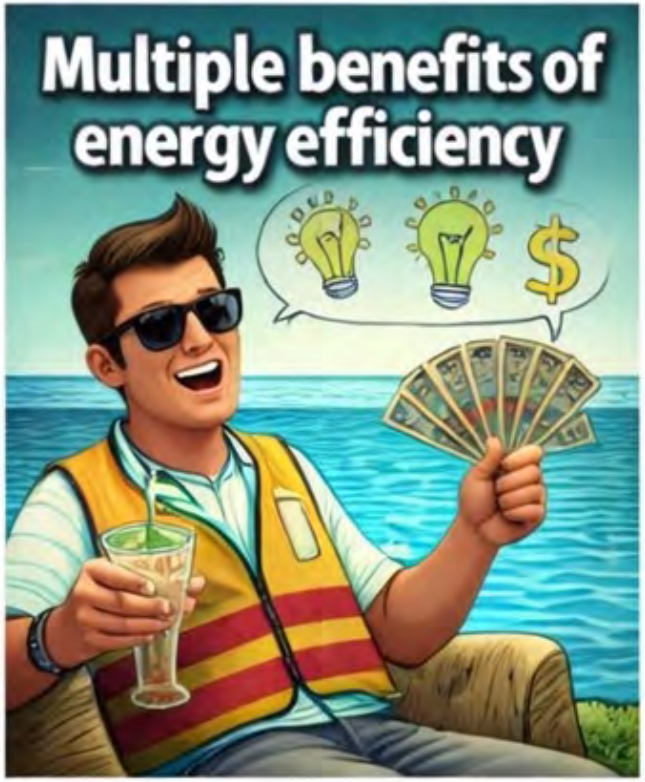
Financing

Buildings and renovation wave

Panel 4

Monitoring, evaluation and impact assessment







Panel 4

Monitoring, evaluation and impact assessment







Panel 4

Monitoring, evaluation and impact assessment



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Panel 5

Sustainable communities



Most impactful presentation

Carolyn Conant and Annika Brindel: Leading Locally - Energy policy and program setbacks

Jana Hack: Mapping methodologies for assessing impacts of sufficiency

Jan Kellershohn: District-Level Algorithmic Clustering

Marc Stobbe: The Governance Gap

Mari Martiskainen and Dan Bainbridge: From crisis response to social infrastructure

Patrick Zimmermann: Sufficient housing in single family homes

Rajat Gupta: Comparative Evidence from two heat pump trials



Most engaging presenter

Alexandra Calvén: Exploring climate benefits and grid impacts of district-level electricity self-sufficiency in Sweden

Jana Hack: Mapping methodologies for assessing impacts of sufficiency

Jan Kellershohn: District-Level Algorithmic Clustering

Lucy Kinnear: Dynamics of Community Participation

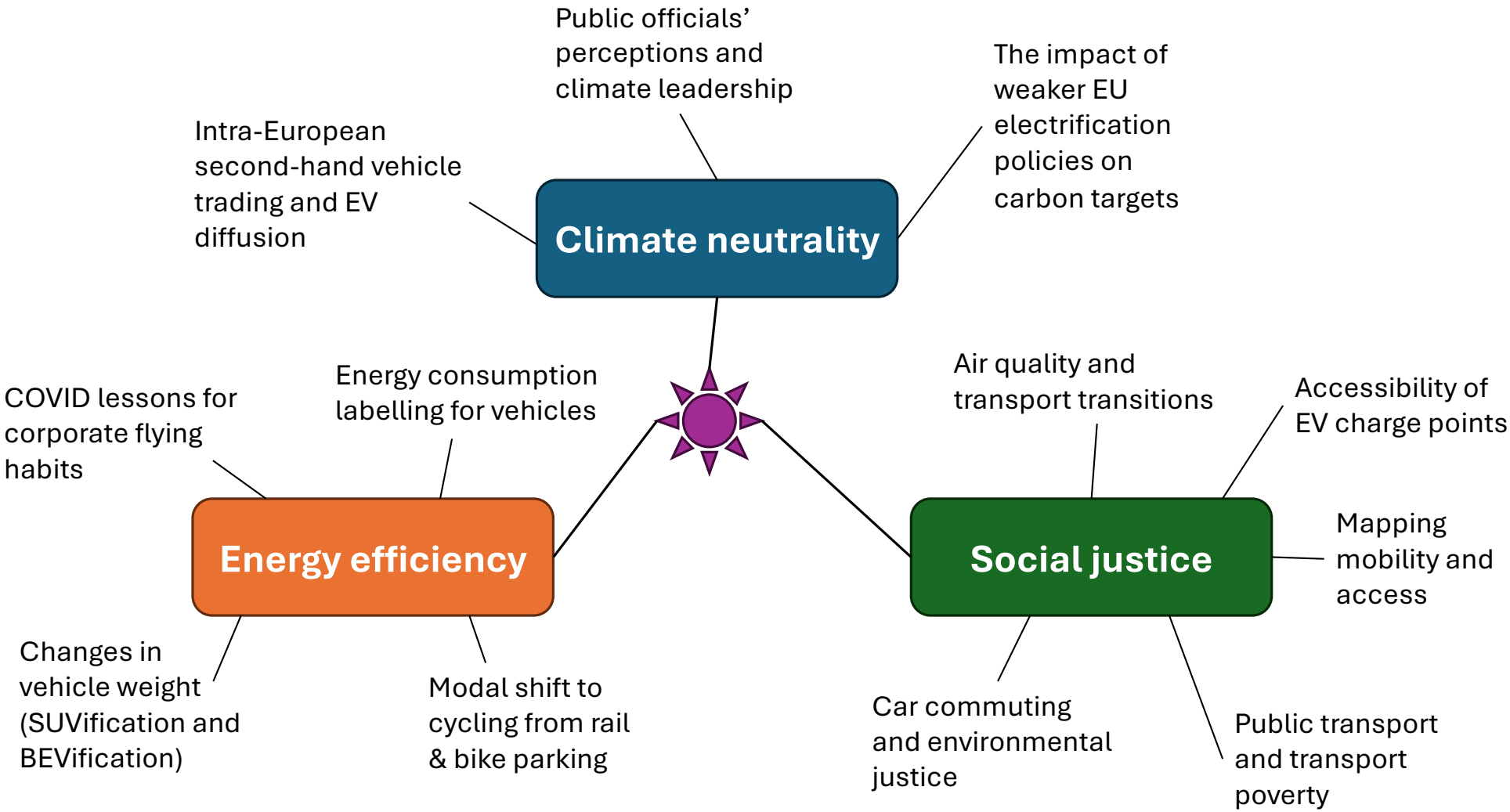
Marc Stobbe: The Governance Gap

Mari Martiskainen and Dan Bainbridge: From crisis response to social infrastructure

Nina Boogen: From Solar Roofs to Smart Energy Communities

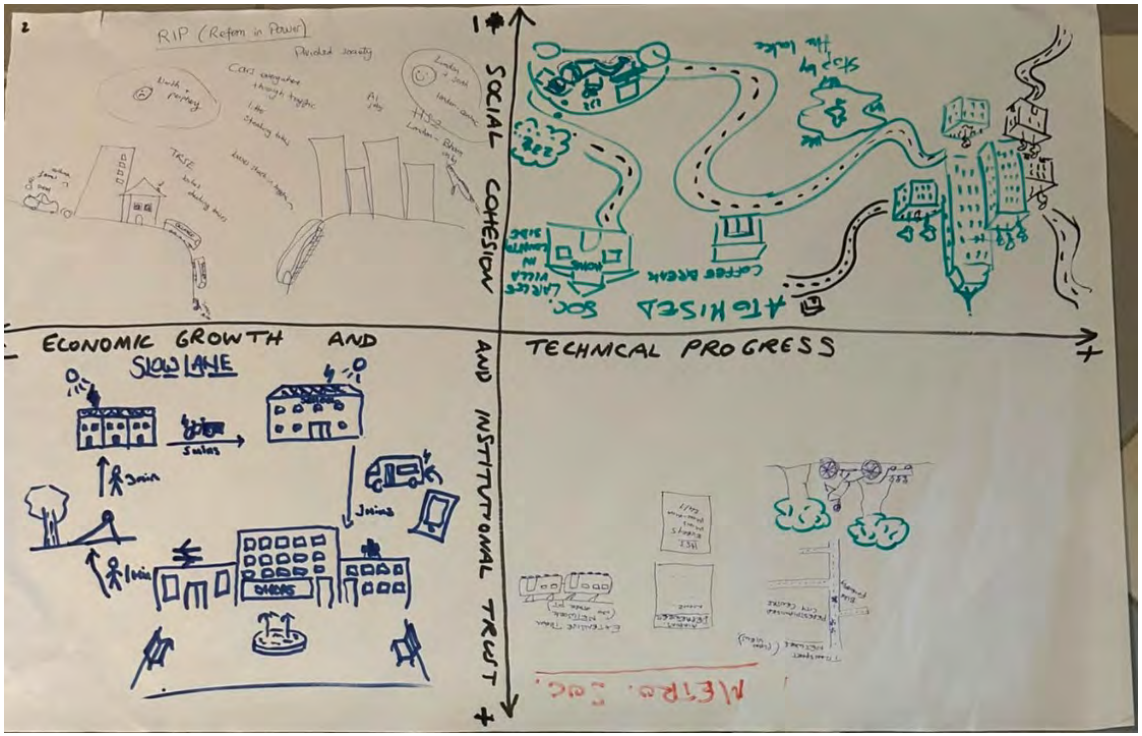
PANEL 6: *Energy-efficient, climate-neutral and socially just mobility and transport*

Nelly Unger / James Dixon


Public officials' perceptions and climate leadership
Intra-European second-hand vehicle trading and EV diffusion
The impact of weaker EU electrification policies on carbon targets
Climate neutrality
COVID lessons for corporate flying habits
Energy consumption labelling for vehicles
Air quality and transport transitions
Accessibility of EV charge points
Energy efficiency
Social justice
Mapping mobility and access
Changes in vehicle weight (SUVification and BEVification)
Modal shift to cycling from rail & bike parking
Car commuting and environmental justice
Public transport and transport poverty

Informal session on transport transitions and energy efficiency

How do transport sector net-zero transitions affect energy efficiency, wellbeing and social justice?















UK Energy Research Centre

An ECEEE Transport Panel Haiku

Distance keeps me here

To where do I want to go?

Opportunities



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Panel 7: Policies and Programmes for Buildings

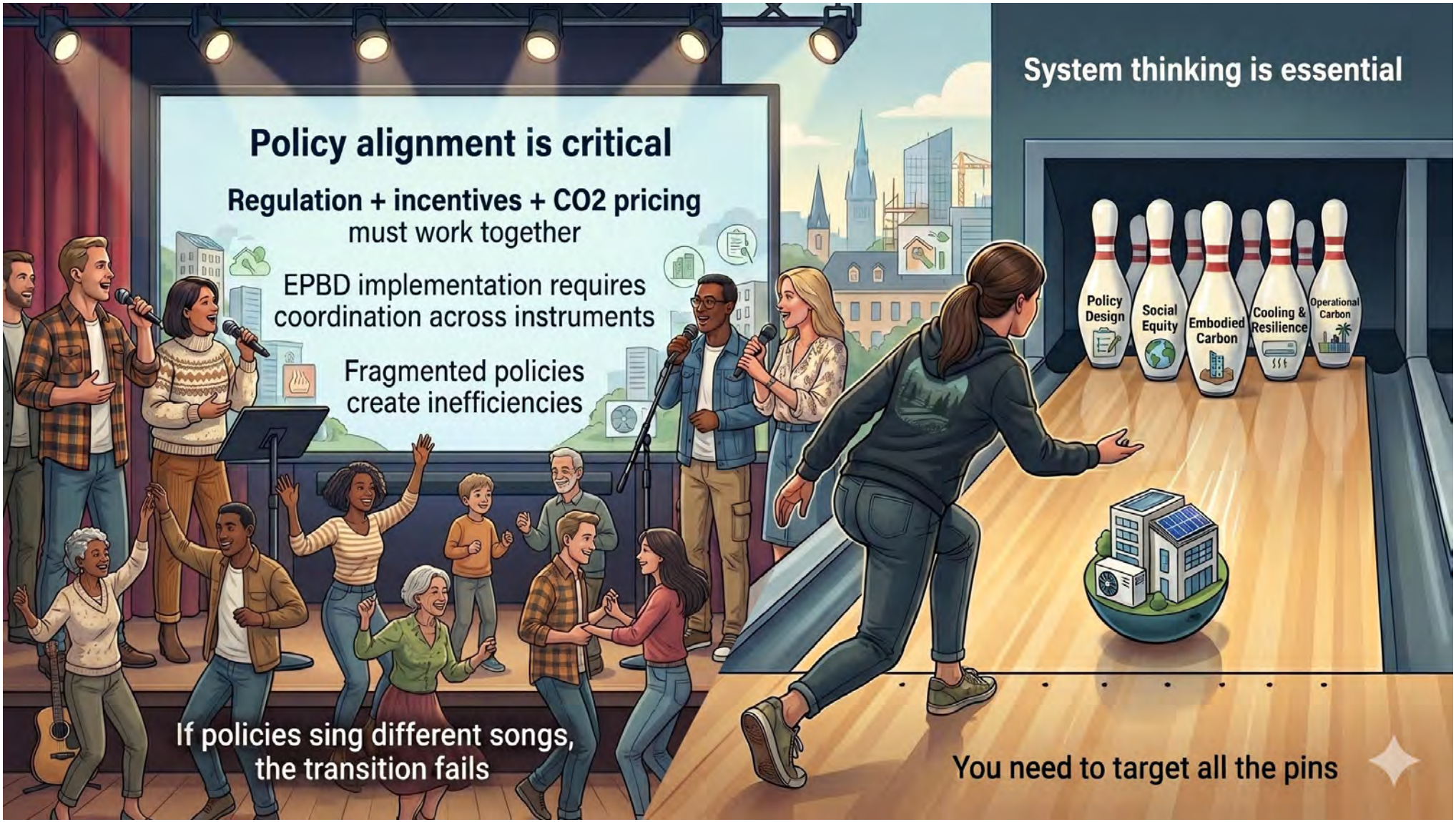


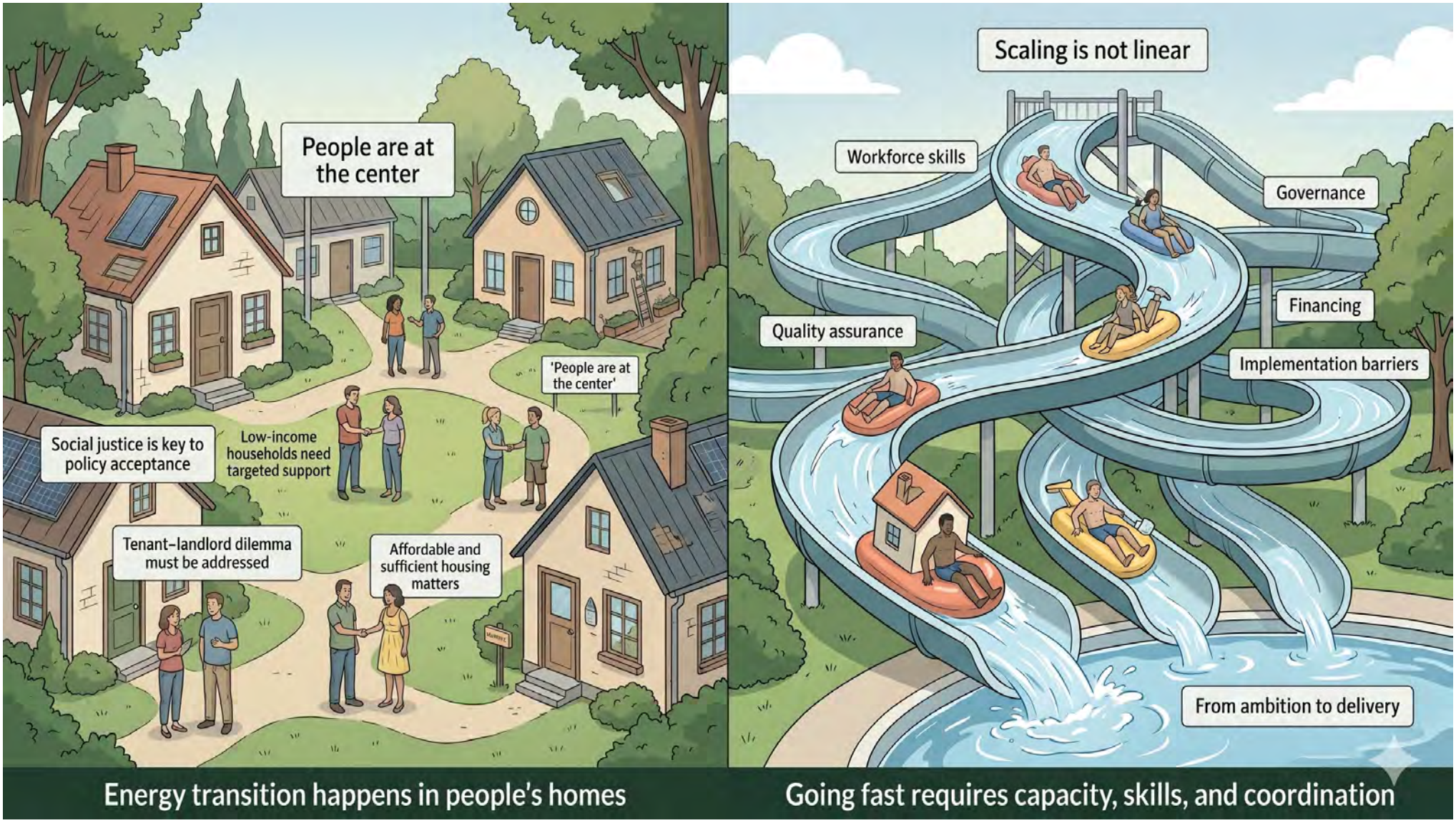
Rui Fragoso, ADENE – Agência para a Energia, Portugal



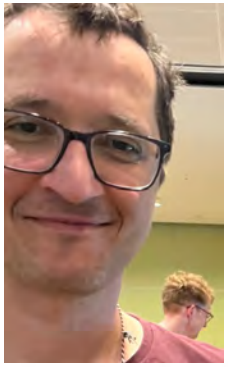
Malte Bei der Wieden, Öko-Institut, Germany




Policy alignment is critical
Regulation + incentives + CO2 pricing must work together
EPBD implementation requires coordination across instruments
Fragmented policies create inefficiencies
If policies sing different songs, the transition fails
System thinking is essential
Policy Design
Social Equity
Embodied Carbon
Cooling & Resilience
Operational Carbon
You need to target all the pins


People are at the center
'People are at the center'
Social justice is key to policy acceptance
Low-income households need targeted support
Tenant–landlord dilemma must be addressed
Affordable and sufficient housing matters
Energy transition happens in people's homes
Scaling is not linear
Workforce skills
Governance
Financing
Quality assurance
Implementation barriers
From ambition to delivery
Going fast requires capacity, skills, and coordination

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Panel 8

Products, systems and technologies for efficient and decarbonised buildings



19 presentations and 1 poster

Topic trends



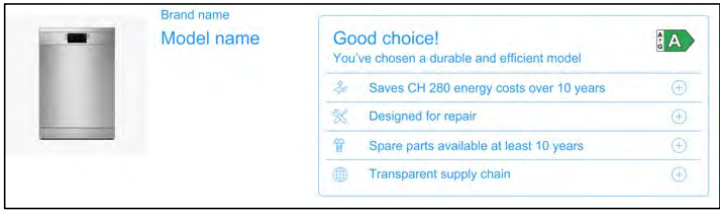
Buildings:

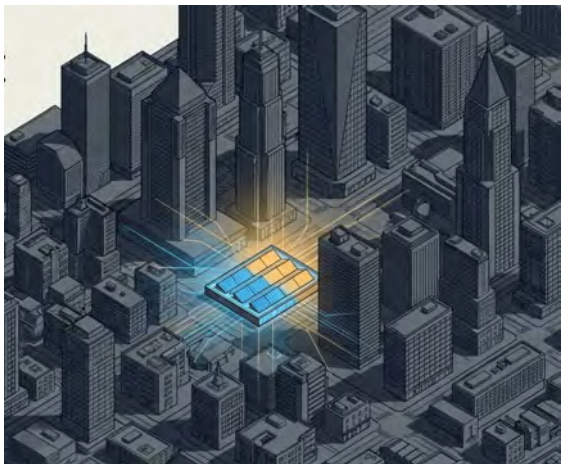
- Cooling and summer comfort
- Heat pump, PVT, cool roofs
- Avoidance of power peaks and electric tariffs

Products/Appliances:

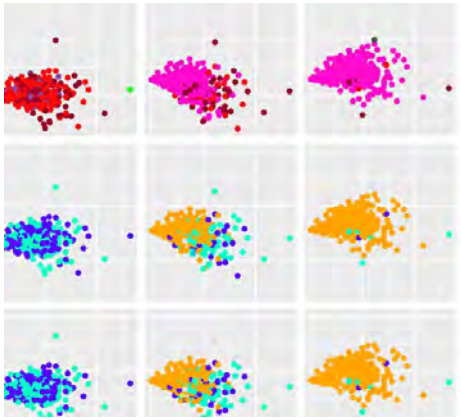
- Ecodesign and ESPR

- High tech to low tech
- Practical solutions
- Wide range of simulations
- Drive users to right decision





- Take heat easy program
- Reparability of smartphones
- Biochar
- Forthcoming ESPR label



Take-away

- No show off
- **No (big) deal** achieved
- But we discussed solutions for a positive future





Thanks for one week of:

- shared expertise and ideas
- positive thinking



Panel 9

Energy efficiency and sustainability of industry

12 PRESENTATIONS across 4 sessions

12 PRESENTERS from academia, industry, research & policy

9 COUNTRIES across Europe and beyond

COMMON GOAL
Accelerating industrial decarbonisation through efficiency, innovation and collaboration

PANEL 9

ENERGY EFFICIENCY AND SUSTAINABILITY OF INDUSTRY

4 MAIN SESSIONS • TUESDAY 2 JUNE – FRIDAY 5 JUNE

Industrial Decarbonisation Pathway

TECH & COST REALITY

- Green primary mterials remain costly
- Recycling gap persists
- Risk: fossil fallback

MARKET CREATION

- Public procurement as industrial policy
- Lead markets for steel
- Uneven implementation

FIRM TRANSFORMATION

- Existing solutions, but weak adoption
- Information gaps
- Non-electric energy needs

SYSTEM ALIGNMENT NEEDED

• Harmonised standards (e.g, low-emission steel) • Buyer suppnt & LCA tools
• Demand-supply-energy coordination • Policy → implementation infrastructuure

MARKET TRANSFORMATION
(Resilient, competitive, low-carbon industry

Industrial Flexibility: Optimising Demand, Enhancing Resources

ENERGY-EFFICIENT WATER SUPPLY

- Uncertainty in demand and prices
- Untappomupport tools
- Untapped flexilbility potential

POWER FLEXIBILITY

- Swedish model for manufacturing
- Operational and smart planning bariers
- Policy and incentive gap

WASTE HEAT RECOVERY

- Significant potential
- Limited usage by utilities
- Economic and data challenges

INTEGRATED SYSTEM APPROACHES

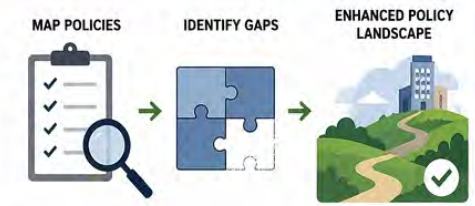
- Adopt system thinking
- Co-develop annovative practices
- Adopting system-facade bredeveloping innovative practices

ENERGY EFFICIENCY POLICY, IMPLEMENTATION AND ENGAGEMENT

9-214-26

Policy mapping and exploration for business sector programme

"The project aims to systematically map policies, identify gaps, and propose an enhanced policy landscape based on their interactions."

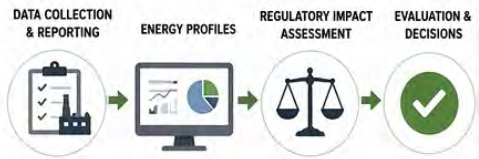


Understanding today → Closing gaps → Stronger policies for tomorrow

9-230-26

Methodology for the evaluation of energy efficiency and renewable energy measures in EU enterprises

"Improved data collection and reporting mechanisms are essential to accurately map companies' energy profiles and assess regulatory impacts."



Better data → Accurate mapping → Sound evaluation → Better decisions

9-016-26

Engaging industrial SMEs in energy demand reduction: Emerging insights from an exploratory UK study

"No single energy efficiency initiative will engage all industrial SMEs."



Multiple approaches. Tailored engagement. Greater participation.

DATA & INSIGHTS SHAPE POLICY

POLICY & PROGRAMS IMPROVE DATA, MODELS & OUTCOMES

DATA, MODELLING AND EQUITY IN ENERGY TRANSITIONS

9-013-26

Return of the DEEP: One platform to benchmark them all

"Benchmark indicators do not speak for themselves—context determines their meaning"

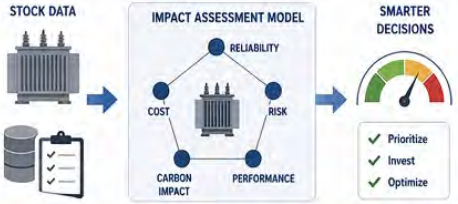


One platform. Shared data. Meaningful benchmarks.

9-095-26

Making models that matter: From stock model to smarter decisions in early transformer replacement

"We need better Transformer (impact assessment) models and tools"



Better models → Better insights → Better transformer investment decisions

9-089-26

Intent to impact: North American utility case studies on equity measurement in energy efficiency

"Equity metrics aim to measure progress on energy efficiency programs which engage priority populations"



Measure equitably. Engage intentionally. Drive meaningful impact.

WORKING TOGETHER FOR A JUST, EFFECTIVE AND SUSTAINABLE ENERGY FUTURE

Equitable outcomes for all communities

Sm… and … allocation

… economies

JUST ONE MORE THING!

ROBIN, THE FORCE AND PANEL 9 LEADERS ARE WITH YO - - -




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