





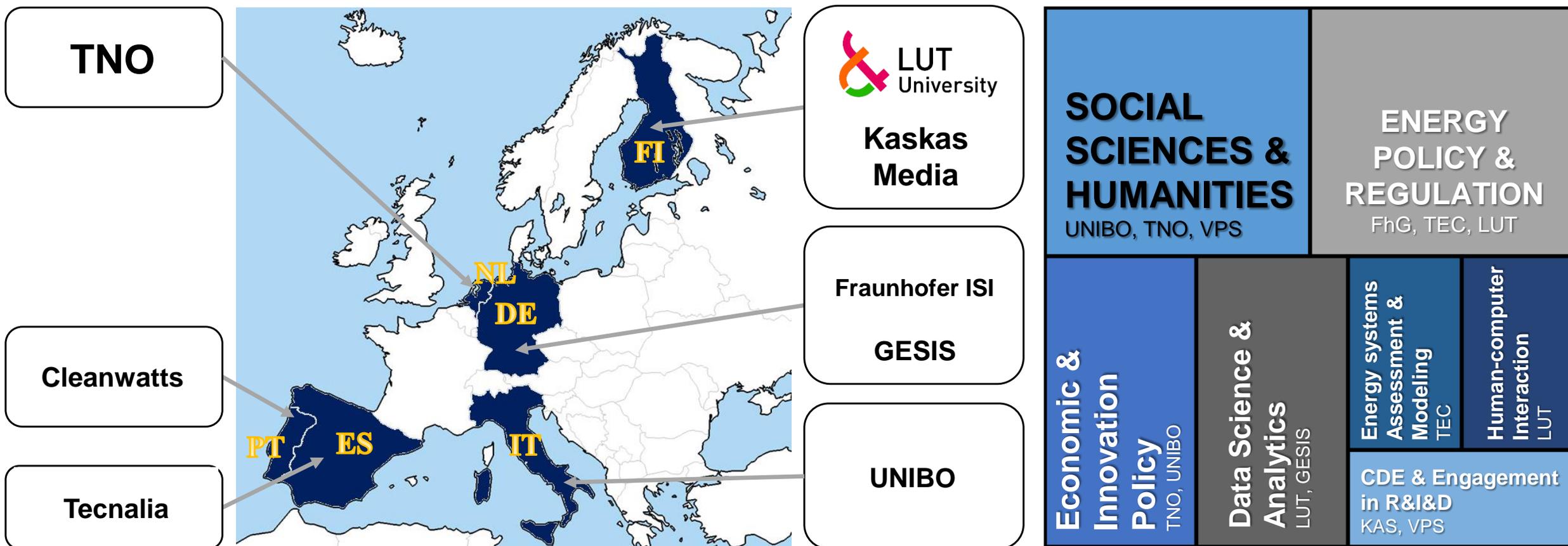
GRETA

GREEN ENERGY TRANSITION ACTIONS

- » **Call topic:** LC-SC3-CC-1-2020 — Social Sciences and Humanities (SSH) aspects of the Clean-Energy Transition: Energy Citizenship
- » **Type:** Research and Innovation action
- » **Coordinator entity:** LUT University
- » **Overall budget:** 3.1 Million Euros
- » **Duration:** 2.5 years (May 2022 to Oct 24)

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8 PARTNERS, 6 COUNTRIES, SSH/E. POLICY-LED

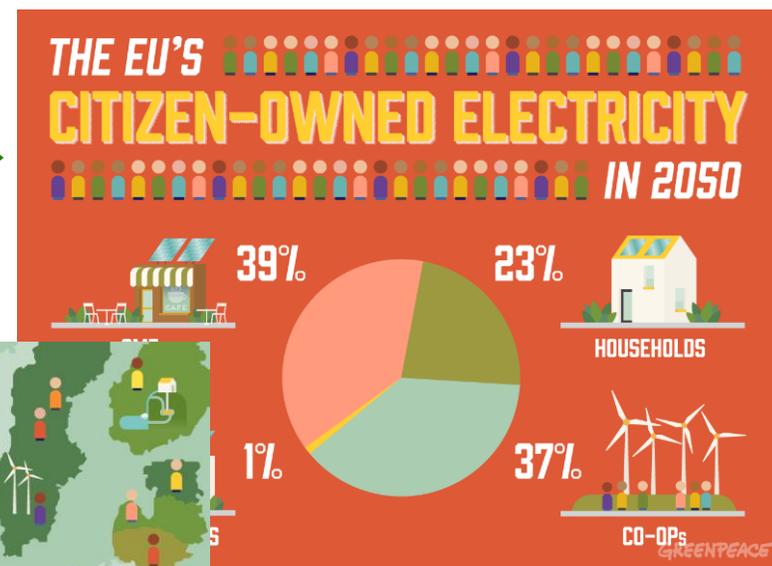
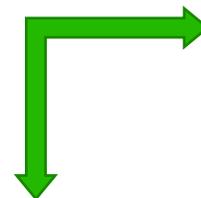


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ROLE OF CITIZENS IN ACCELERATING THE ENERGY TRANSITION

Experts estimate that *by 2050, 83% of the EU households (160 million) could become active players in the energy system, by producing renewable energy via DER, adjusting consumption to more sustainable patterns (demand-side management), and/or storing green (DER-produced) electricity to be optimally managed locally.*

Not only households!



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WHAT COULD POSSIBLY BE MISSING?

- It is unlikely that top-down policies driven by technological evidence and markets alone will further instigate citizens to act
- Tackling the societal decarbonization challenge requires explicit recognition of the social side of the energy transition

Yet, we know very little about the complex processes that steer citizen motivations to engage in “energy citizenship” behaviours, or the forces working against it

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GRETA'S OBJECTIVES

To support the design of EU policies to engage citizens in the energy transition by solving the generalized lack of understanding of energy citizenship phenomena, its conditions for emergence and exclusion, within and beyond energy communities

Objective 1

To understand who energy citizens are and clarify concepts, definitions, and evolving perspectives on energy citizenship

Objective 2

To understand how energy citizens act and interact individually and collectively, within energy communities, and whether and how exclusion from this process happens

Objective 3

To develop and test behavioural strategies, approaches and models for facilitating energy citizenship leading to new strategies for achieving decarbonisation

Objective 4

To realize impact by scaling approaches from local case study to regional, national and supranational levels leading to generalising and formalising project outputs for further use

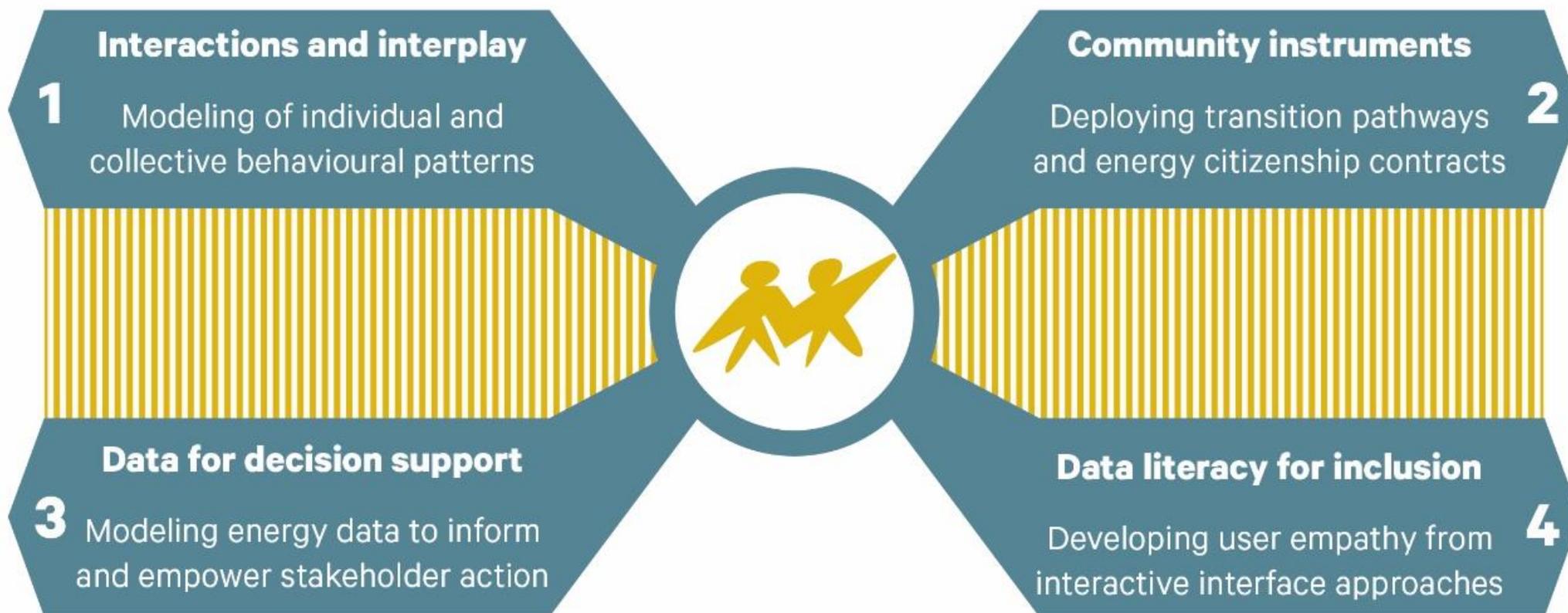
Objective 5

To improve the policy making process towards a more favourable governance, policy, political, legal, and financing framework for the emergence of energy citizenship in the EU

“We ought to reinforce the portfolio of EU climate policies with socially-sensible instruments, built from the bottom-up”

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DS FOR SOCIO-TECHNICAL & POLICY INNOVATION



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CASE STUDIES

A portfolio carefully designed to embrace a complementary mix of country environments, governance structures, energy behaviours, energy awareness, and geographical levels

No.	Name, country, if applicable (leader partner)	Category	Action	Governance	Co-location	Geographical Level
1	Renewable energy district – Bologna Pilastro-Roveri, Italy (UNIBO)	RE	Adoption/Use	Several associations/ Cooperatives	Yes	Local
2	Natural gas-free neighbourhoods, The Netherlands (TNO)	RE/EE	Adoption/Use	Cooperative/ Municipality	Yes	National
3	Coopérnico – Renewable energy-driven cooperative, Portugal (VPS)	RE/EE	Adoption/Use	Cooperative	No	National
4	UR BEROA – Energy efficiency-driven cooperative, Spain (TEC)	EE	Adoption/Use	Cooperative	Yes	Local
5	Earnest App – A virtual community for sustainable mobility in Darmstadt, Germany (FhG)	MOB	Adoption/Use	Citizen-driven (virtual community)	No	Regional
6	Electric autonomous and connected mobility network (TNO)	MOB	Advocacy	Partnership	No	Supranational

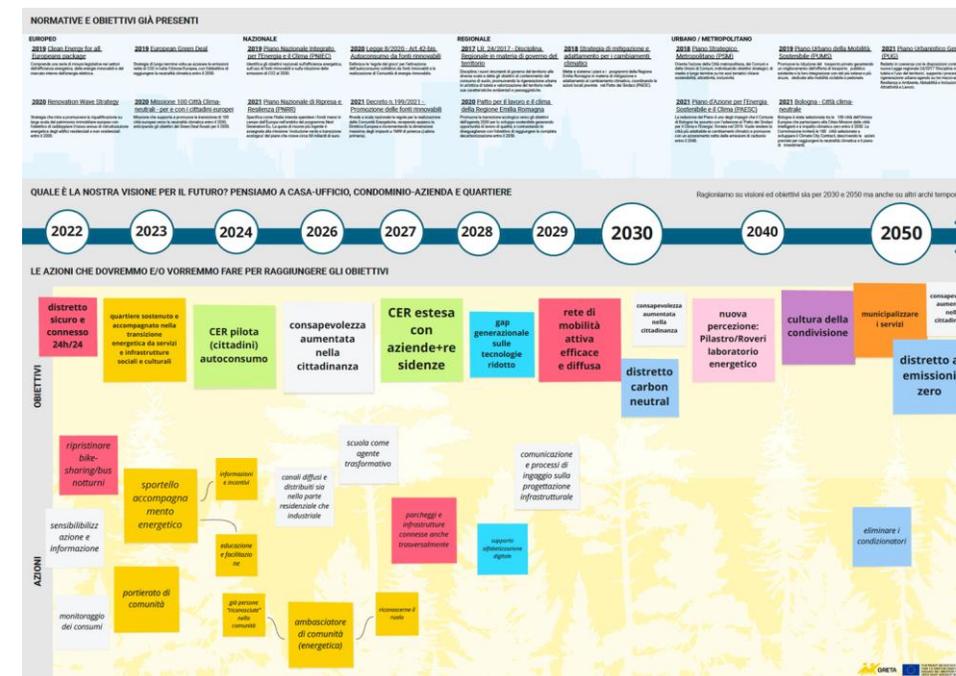
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USER-CENTRIC DESIGN IS CORNERSTONE

GRETA takes a multi-stakeholder participatory approach



Participatory workshops with case study actors in Italy and Spain



GRETA's community-level indicator design methodology in practice

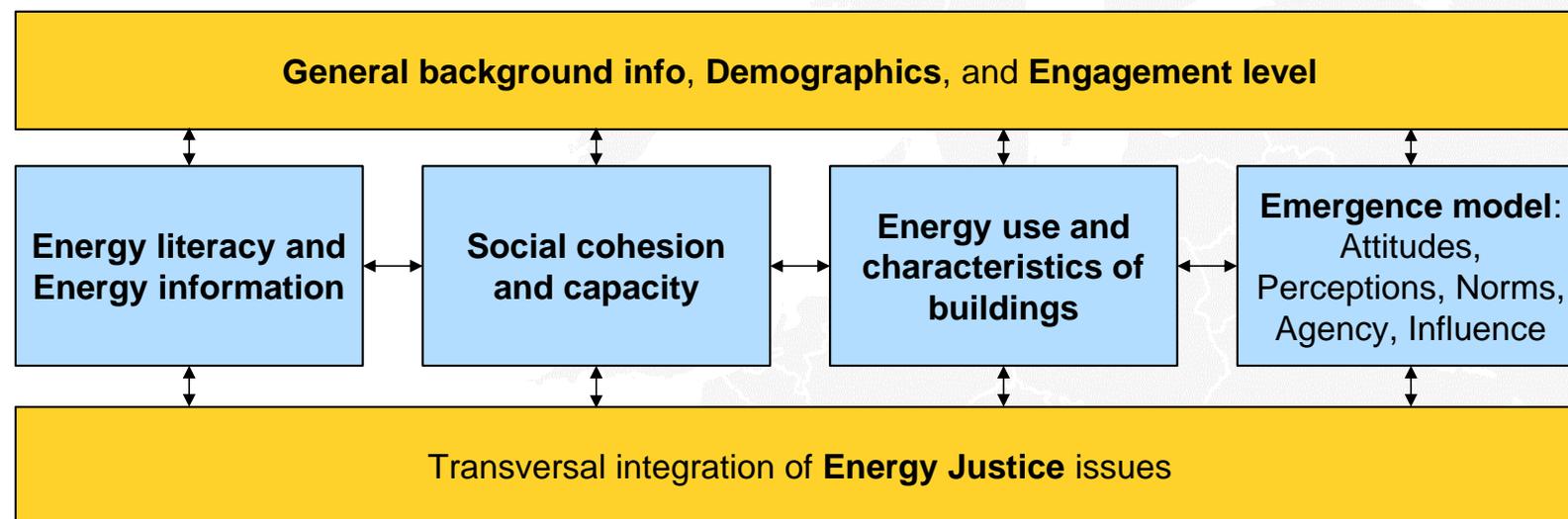
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A CUTTING-EDGE EU-WIDE SURVEY

Aimed at being a first-of-its-kind EU-wide empirical citizen consultation supporting better understanding of the determinants of energy citizenship emergence.

- 10 000 individual respondents, sampled across 3 target groups
- Covering **16 EU countries**
- Provided in **14 languages**
- Technology-agnostic approach - enables responding in multiple interfaces, e.g., smartphones, tablets, computers...

Survey overarching structure:



Survey targets three respondent groups

- "CITIZEN ACTORS"
- "BUSINESS ENTITIES"
- "POLICY ENTITIES"

