

EC²: Energy Citizenship and Energy Communities for a Clean-Energy Transition

Development of an energy citizenship scale



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101022565

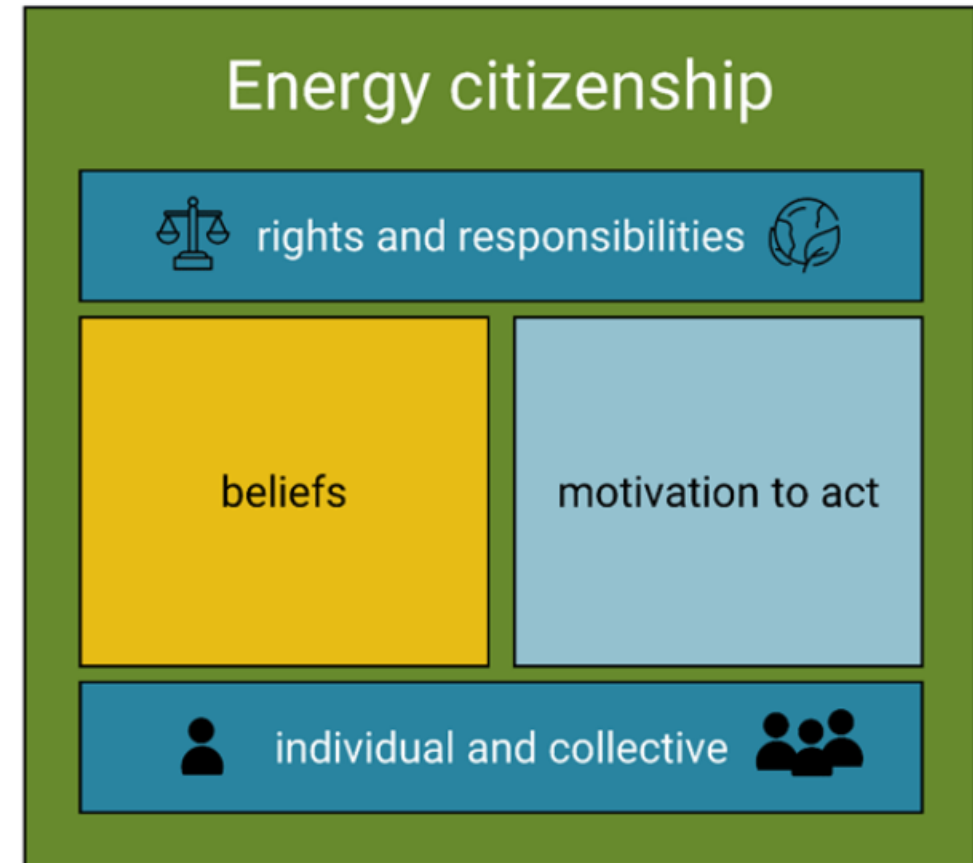
EC² Project

- EC²: Energy Citizenship and Energy Communities for a Clean-Energy Transition
- It involves 14 partners from 6 countries: 3 academic partners from psychology, law and economy
- We have formulated an interdisciplinary and discipline specific definitions of energy citizenship
- Based on the psychological definition, we have developed a psychological scale
- This newly developed scale will allow us to test the effectiveness of energy citizenship for various sustainable energy related behaviors



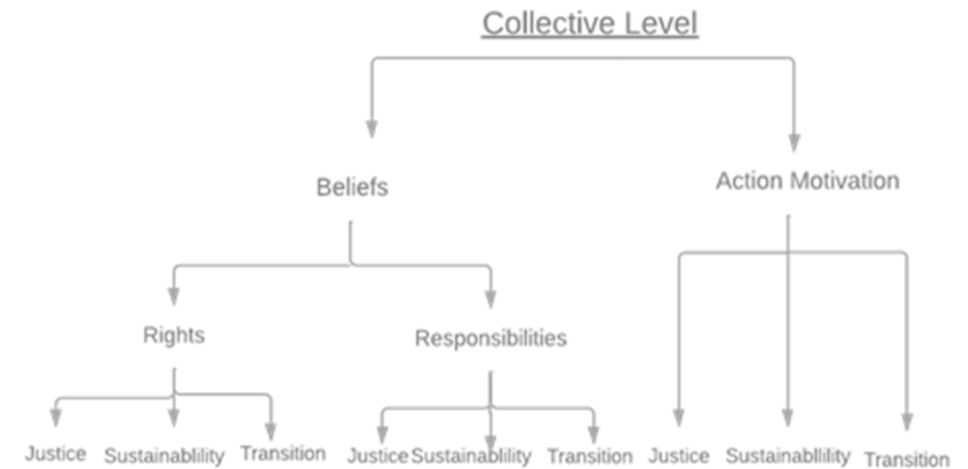
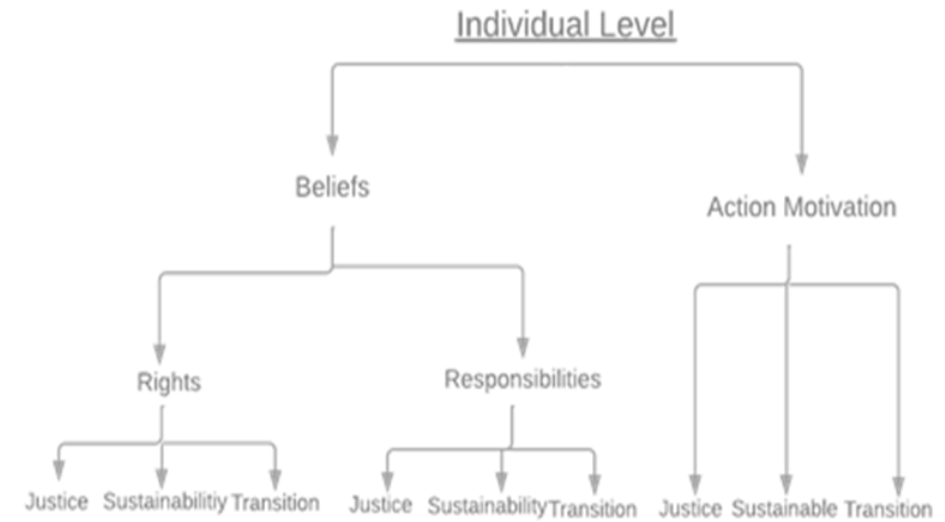
Energy citizenship Psychol. perspective

“Energy citizenship from a psychological perspective is people's **belief** that they as **individuals** and as **collectives** have **rights** and **responsibilities** for a **just** and **sustainable energy transition**, and their **motivation to act** upon those rights and responsibilities.”



Energy citizenship scale

- construction and validation of quantitative scale to assess the manifestation of energy citizenship in individuals
- Based on interdisciplinary and psychological definition of energy citizenship
- Pre-study (N=50): Testing item pool for comprehensibility
- Study 1 (N=401): Final item selection
- Study 2 (N=1542): confirming scale structure
- Study 3 (N=386): validating the energy citizenship scale
- Study 4 (N=327): generalizability to other nationality



Energy citizenship scale



- **Scale for individual energy citizenship:**

I consider affordable sustainable energy to be an important right.

I consider it an important right to be informed about the energy efficiency of various products.

I consider being able to actively participate in the energy market (e.g., being able to produce / sell / exchange / store energy) to be an important right.

I see it as my responsibility to help others to participate in the sustainable energy transition (e.g., by sharing my knowledge).

I see it as my responsibility to contribute towards a sustainable energy transition.

I see it as my responsibility to actively participate in the energy market (e.g., produce / sell / exchange / store energy).

I am willing to play an active role in ensuring that no one is at a disadvantage during the sustainable energy transition.

Investing time, effort, and money to be able to use more renewable energy is a source of pride for me.

I am open to helping to influence energy policy and legislation.

