



Workshop

- policy & regulators
- energy system people
- community
- researchers
- other



Workshop

- Imagine in 2040 there are neighbourhood batteries in the energy system and they have catalysed a remarkable shift towards a much better energy system.
- *What happened in 2024 to set us on that path?*



Australian
National
University



Battery Storage and
Grid Integration
Program

An initiative of The Australian National University



Environment,
Land, Water
and Planning

Social dimensions of neighbourhood batteries – not just about consumers

Wendy Russell

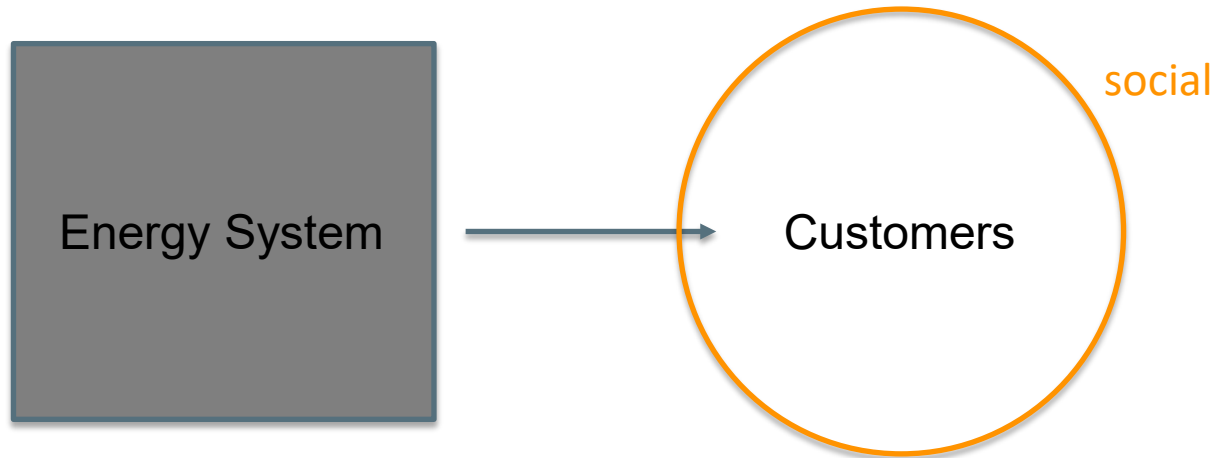
ANU colleagues: Hedda Ransan-Cooper, Marnie Shaw and Louise Bardwell

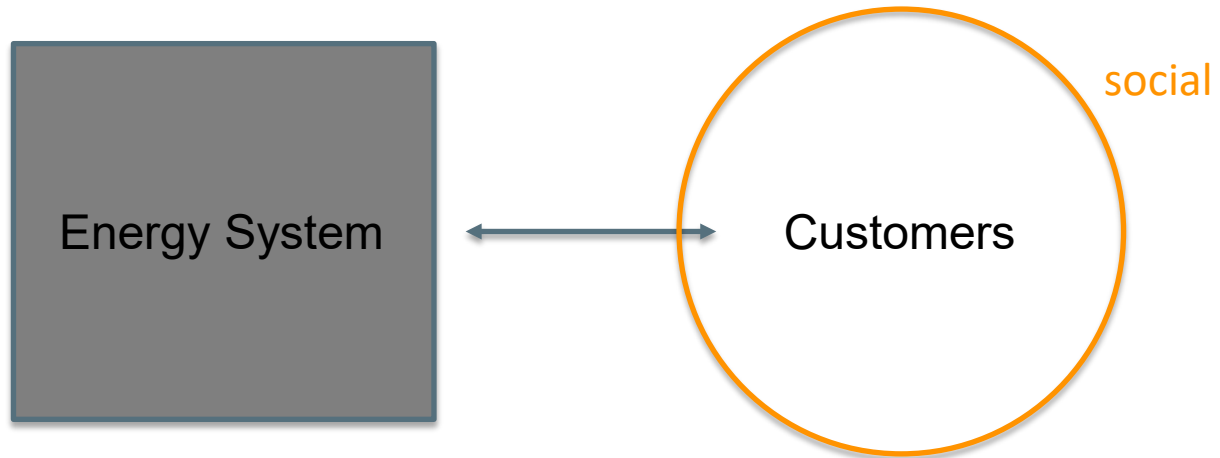
Battery Storage and Grid Integration Program

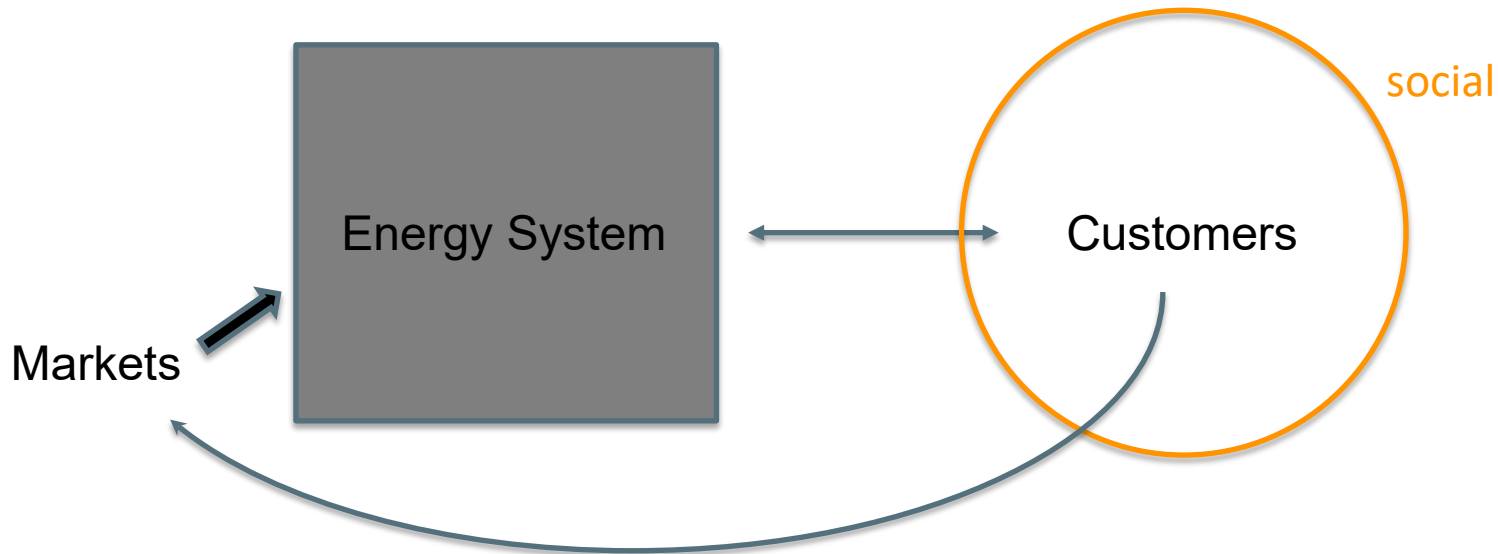
The Australian National University

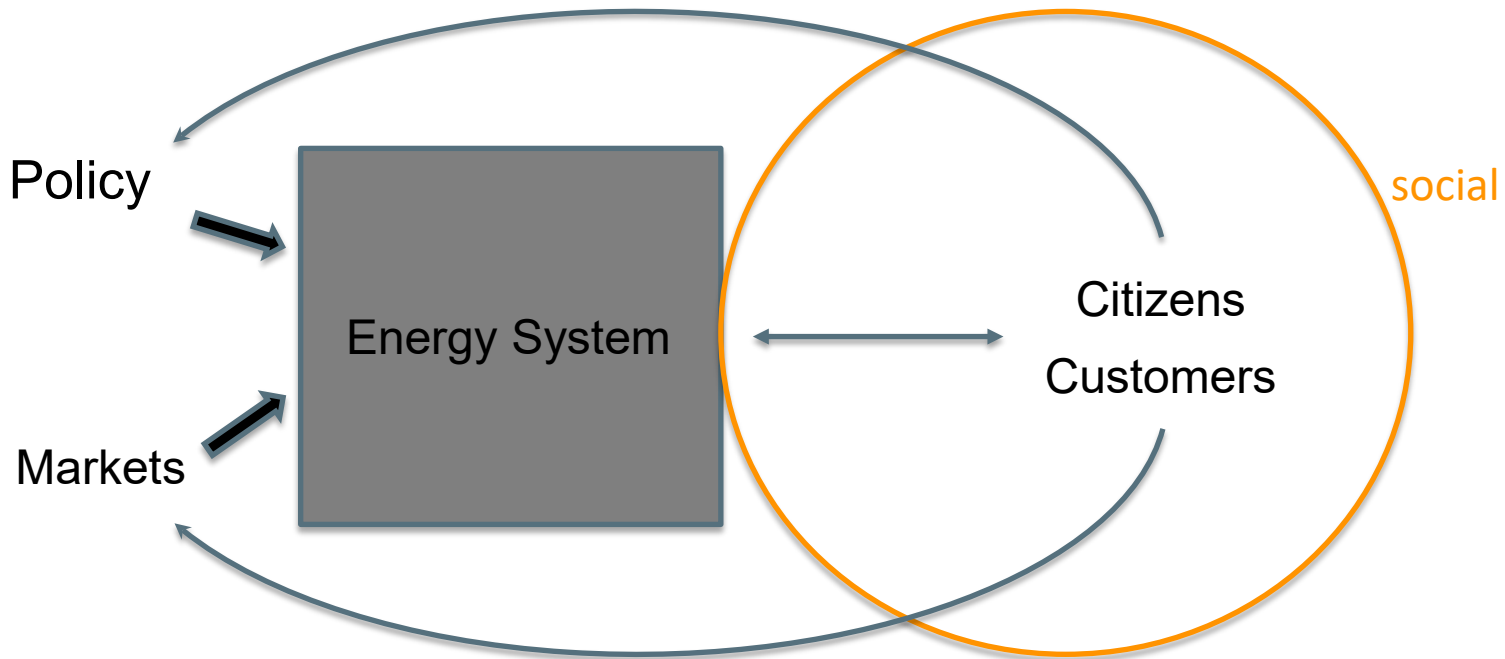
Outline

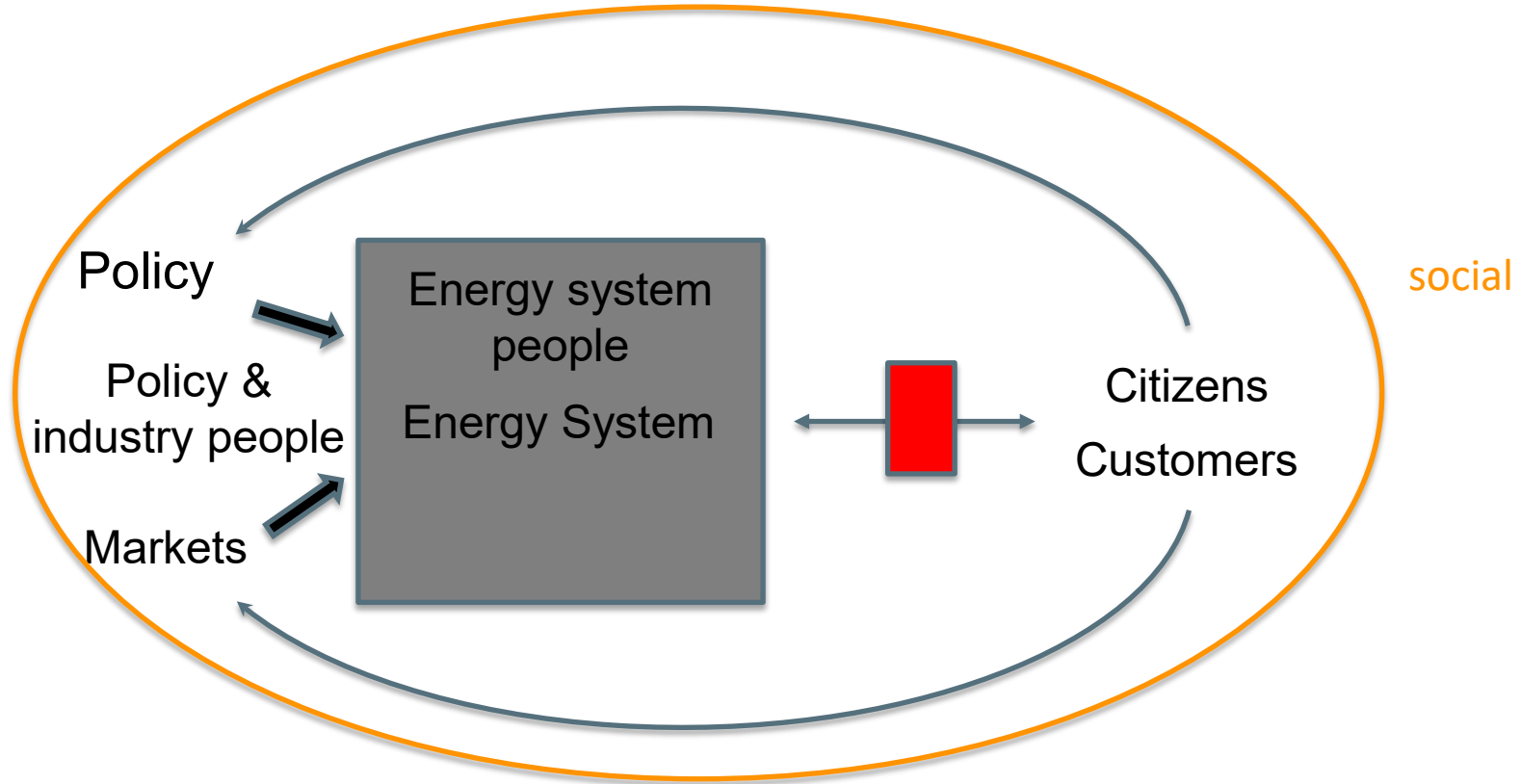
- The ‘social’ – beyond consumers
- The community in community batteries?
- Potential contributions of social research











Who should own/control community batteries?

	Community	Networks
Values	Self-sufficiency Autonomy <i>Independence</i>	Stability Reliability <i>Integration</i>
Benefits	Community building Environmental action Resilience?	Capacity, efficiency Economies of scale, Aggregation & redistribution
Problems	Capacity & capability Responsibilisation Equity	Misalignment of interests Profits vs services Transformational change?

CBs as a catalyst

- rethinking energy as an essential service, role of government
- rethinking resilience in communities
- energy system redesign

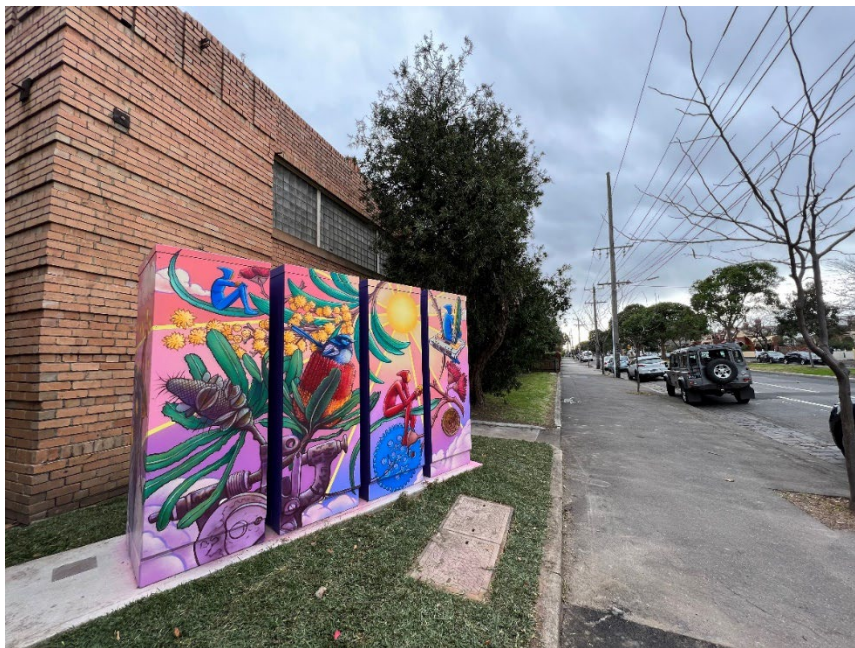
Possible contributions of social research

- Testing assumptions about consumer preferences
- Evaluating different models (STE)
- Exploring imaginaries & how they shape CB trajectories
- Exploring new visions and scenarios for energy system change with communities
- Building capability to consider social dimensions

A research idea

- Community Battery fellows

Thank you



Don't forget to check out: The Neighbourhood Battery Knowledge Hub and ANU NB Impact Assessment Framework