



The role of local authorities and communities in governing infrastructure interdependencies

Dr Katy Roelich

Senior Research Fellow

Energy & water infrastructure interdependencies governance

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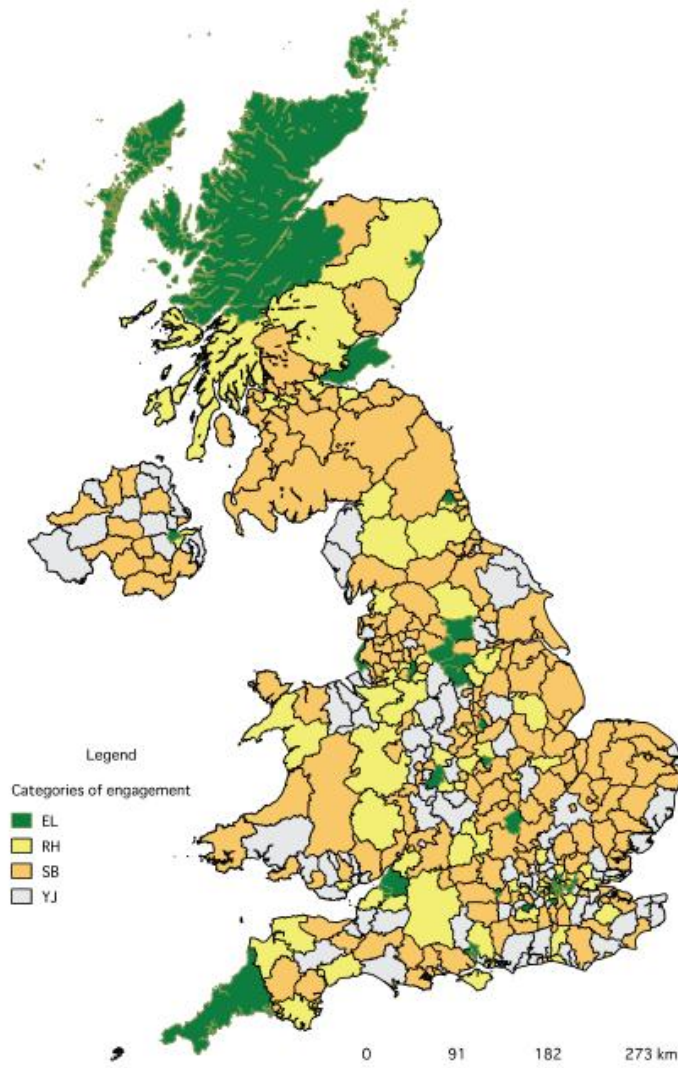
1. Civic infrastructure: New actors, different values
2. Local interdependencies
3. Local governance



Context: Role of local government in energy provision



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-  Energy leader
-  Running hard
-  Starting blocks
-  Yet to join

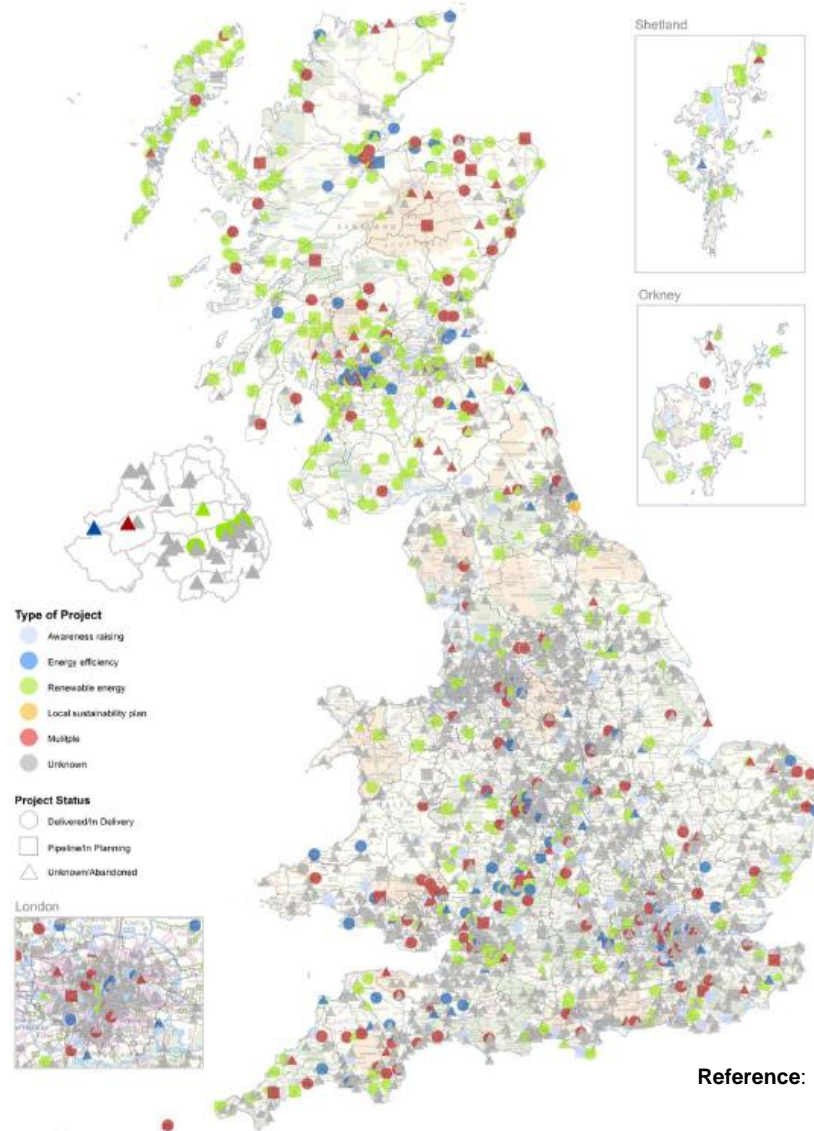
Reference:

HAWKEY, D., TINGEY, M. & WEBB, J. 2014. Local engagement in UK energy systems — a pilot study of current activities and future impact. Edinburgh: Energy Technologies Institute and The University of Edinburgh.

Context: Community energy in the UK



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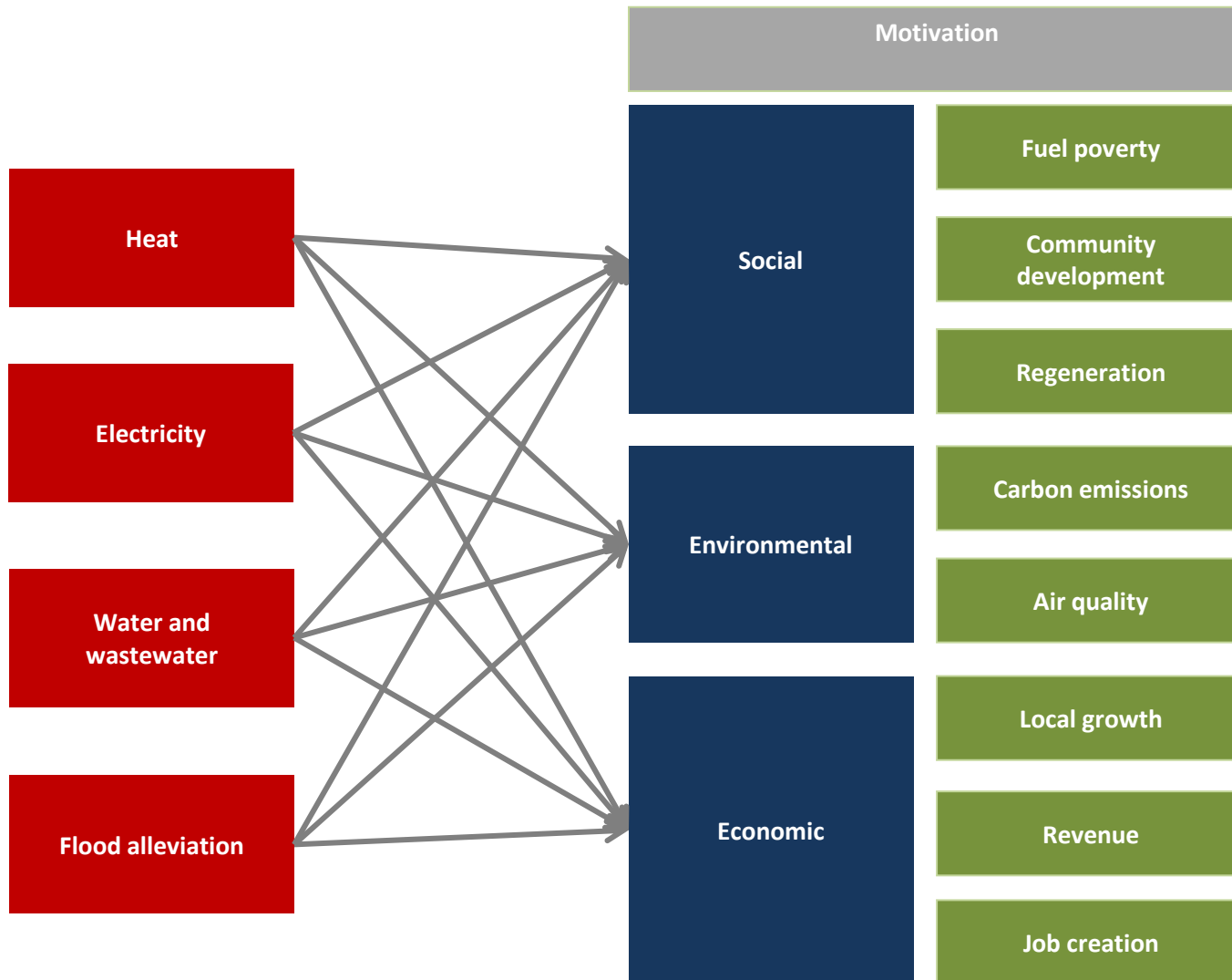


Reference: DECC, Community Energy Strategy, 2014

Local interdependence



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Internal

- Institutional lock-in and cultural ethos
- Resources and budgets
- In-house knowledge
- Confidence in decision making processes crossing new regulatory areas

External

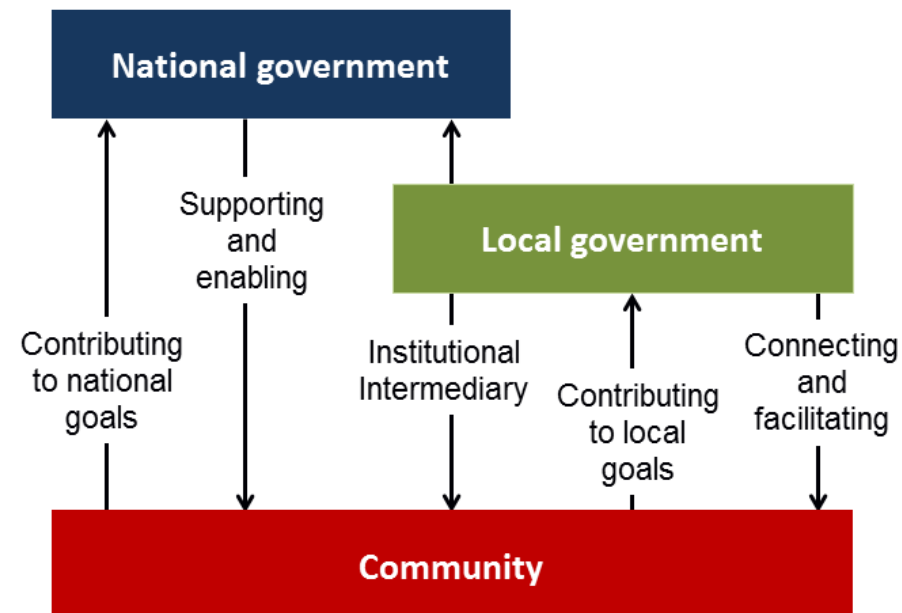
- Policy overlooks non-monetary value
- Pro-market focus favours incumbents
- Separation of infrastructure regulation
- Lack of institutional diversity

References:

ROELICH, K. & BALE, C. S. E. 2014. Municipal energy companies in the UK: Motivations and barriers *International Symposium For Next Generation Infrastructure (ISNGI)*. International Institute for Applied Systems Analysis, Vienna.

BALE, C. S. E., FOXON, T. J., HANNON, M. J. & GALE, W. F. 2012. Strategic energy planning within local authorities in the UK: A study of the city of Leeds. *Energy Policy*, 48, 242-251.

- Adapt funding and incentive criteria to enable interdependencies
- Targeted support for civic actors
- New approaches to regulation – design principles not standardisation
- Polycentric governance is essential to the success of civic infrastructure



Reference:

ROELICH, K. & KNOERI, C. 2014. Community energy projects: why are they constrained by liberalised markets and how can cities help them overcome these constraints? *Sustainable Heating Provisions and Cities: Theory, Practice and Future Implications*. University of Edinburgh.



- New actors, different values
- Diverse motivations and pathways to engagement in infrastructure interdependencies
- Need a policy regime that recognises multiple values and interdependencies
- Aligning international, national and local policy – polycentric governance



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Thank you for your attention!

Contacts: k.e.roelich@leeds.ac.uk

Website: <http://sure-infrastructure.leeds.ac.uk>