

How does the structure of distributed ledger technology-enabled retail markets impact on energy policy objectives?

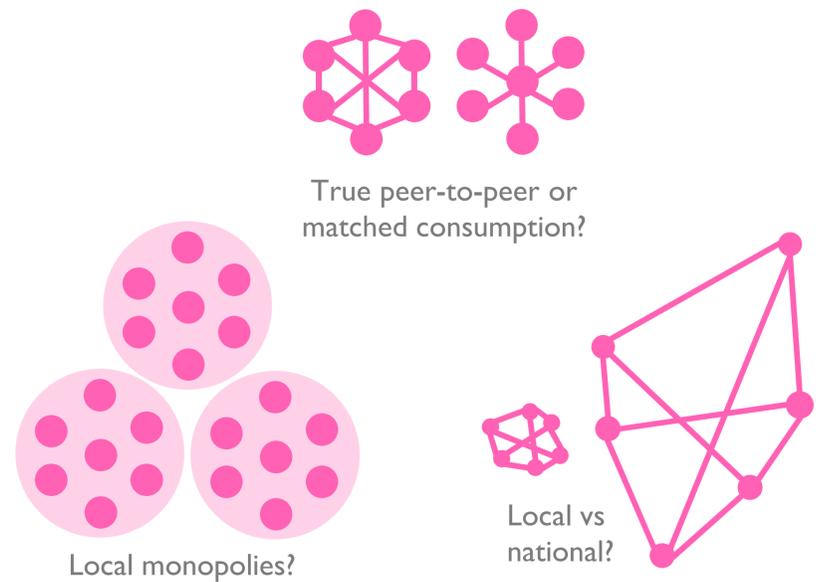
Dr Michael Fell
michael.fell@ucl.ac.uk



Professor David Shipworth
d.shipworth@ucl.ac.uk



Distributed ledger technologies (DLT) may play an important role in enabling new energy retail market structures, such as those involving peer-to-peer trading. In this project we ask how the way those markets are structured might impact on energy policy objectives (such as relieving grid congestion or decreasing fuel poverty) as well as broader social goals such as community cohesion.



Theory-driven review identifies in advance the chain of cause and effect by which we expect outcomes to arise. Evidence is then sought for the existence (or not) of these causal links. This evidence can come from many sources, including product evaluations and trials.

The project will be based on a combination of theory-driven evidence review and new data collection (such as through expert interviews and survey experiments).

A key outcome of the project will be a set of options and recommendations for how DLT-enabled energy markets might be structured to maximize social and energy system value.



In the first phase of the project we are focusing on identifying potential sources of social value/impact connected with DLT-enabled peer-to-peer trading, as well as expectations and evidence regarding these impacts. During the course of the work we are engaging with companies who are actively developing DLT-enabled peer-to-peer trading solutions. **Please get in touch if you would like to be involved!**

To get in touch please search for me (Michael Fell) on the EventHorizon Navigator, or drop me a message on michael.fell@ucl.ac.uk. To find out more about our research group simply search online for *UCL PACE Group* or scan the QR code.



UCL PACE Group conducts research on new ways of unlocking flexibility in the energy system and what these might mean for people and society.