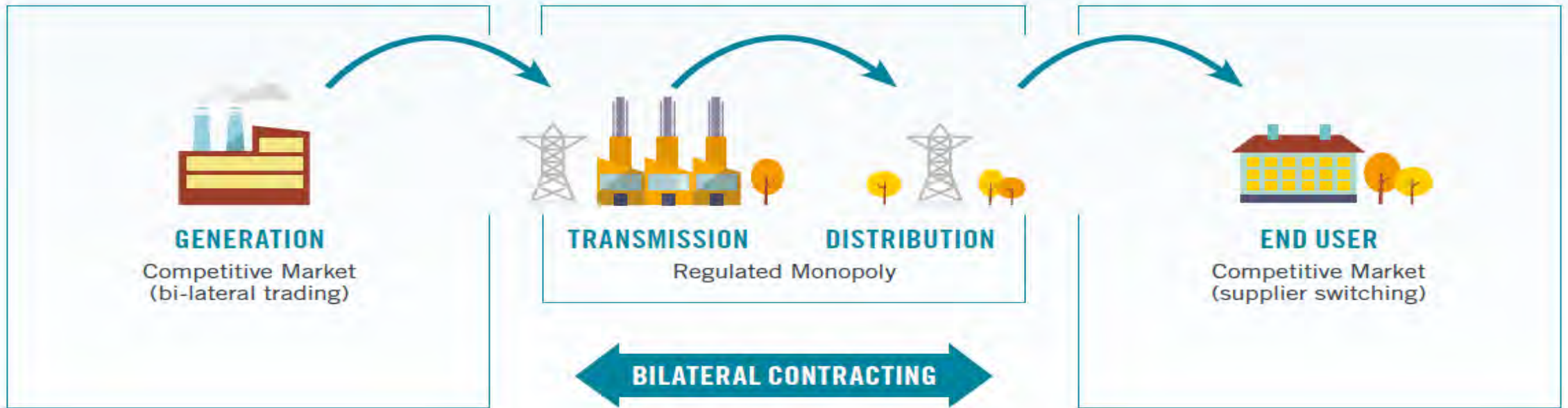


Local supply of electricity

Why Local Supply: The whole-system pitch

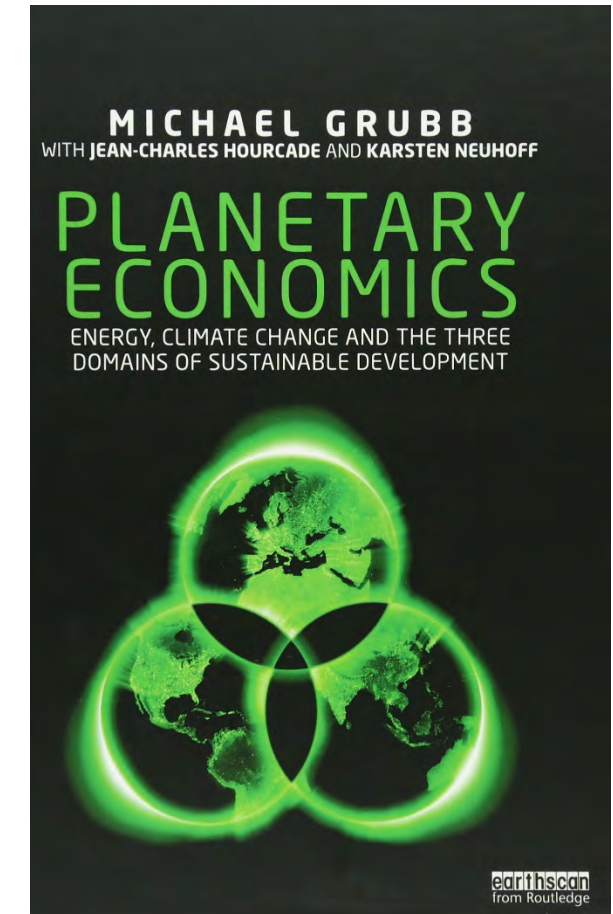
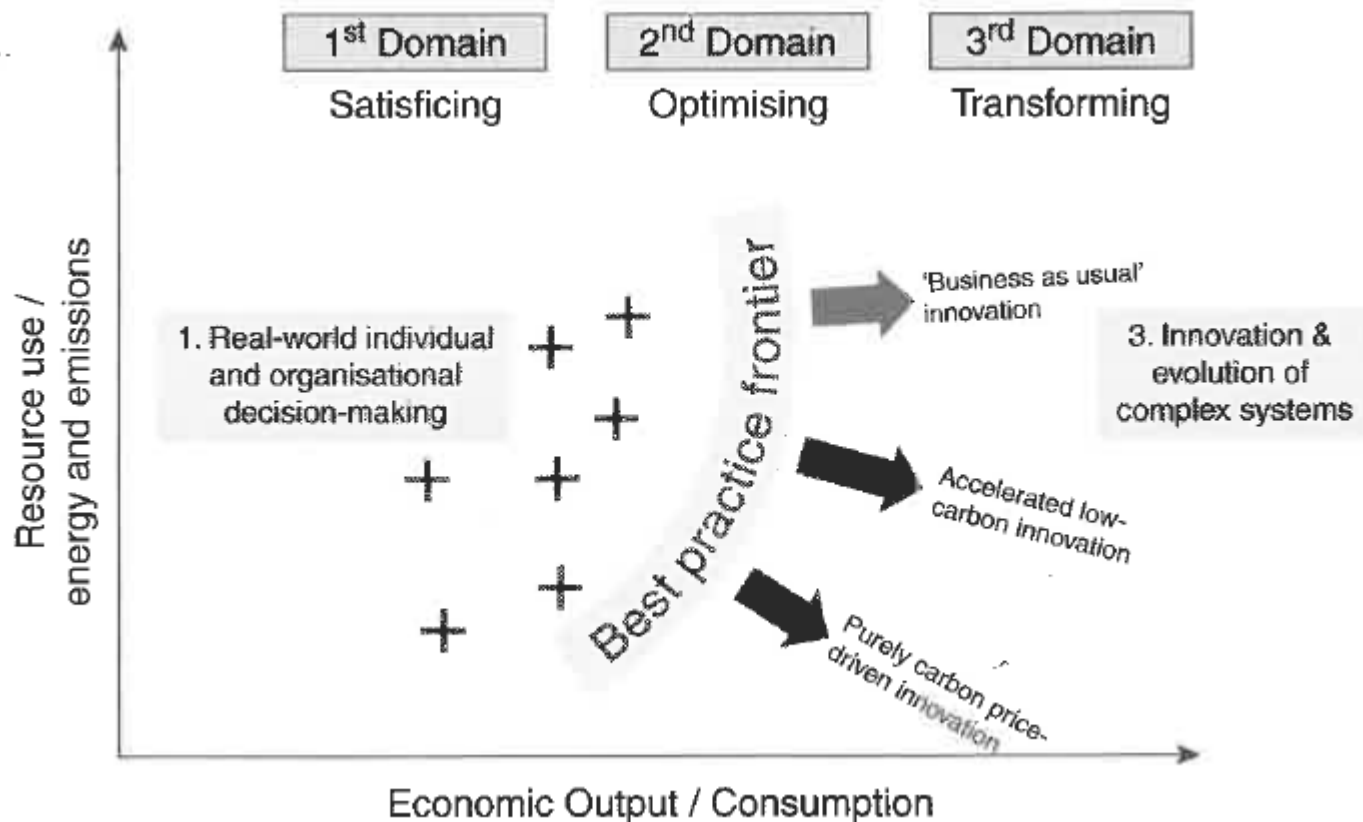
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The economics of now are not the economics of tomorrow



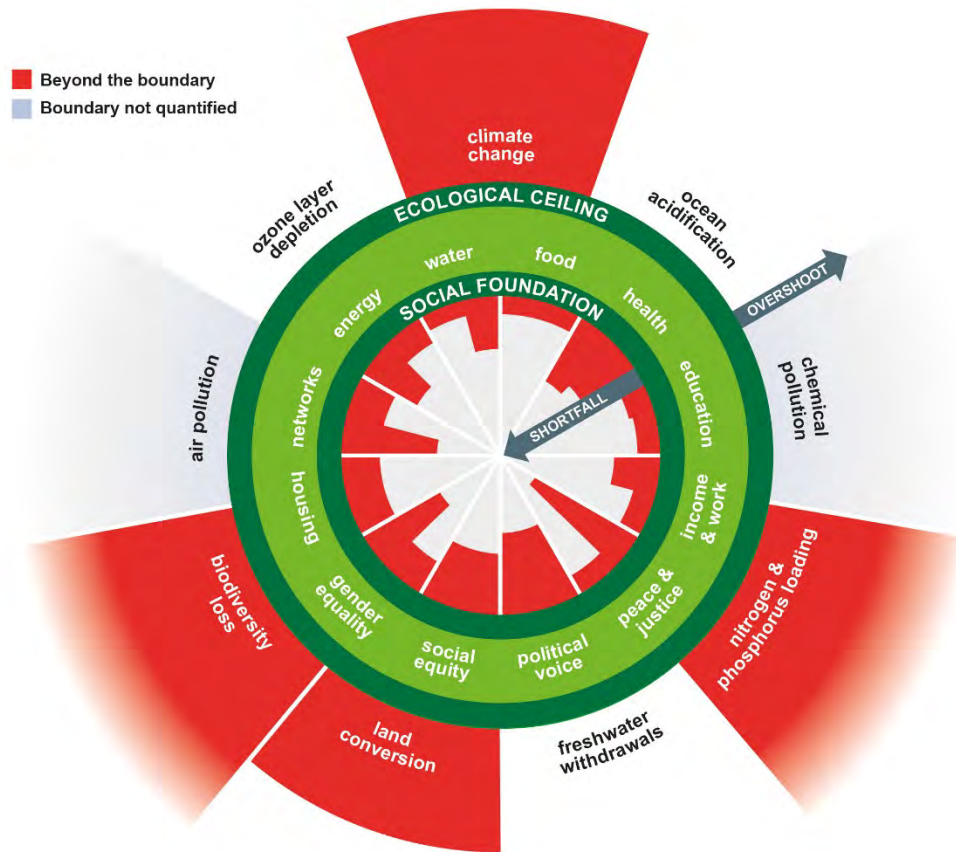
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Be confident! The economics of now are not the economics of tomorrow



#EnergyUnion

Build solutions which enable BOTH centralised and bottom up generation, storage and demand response



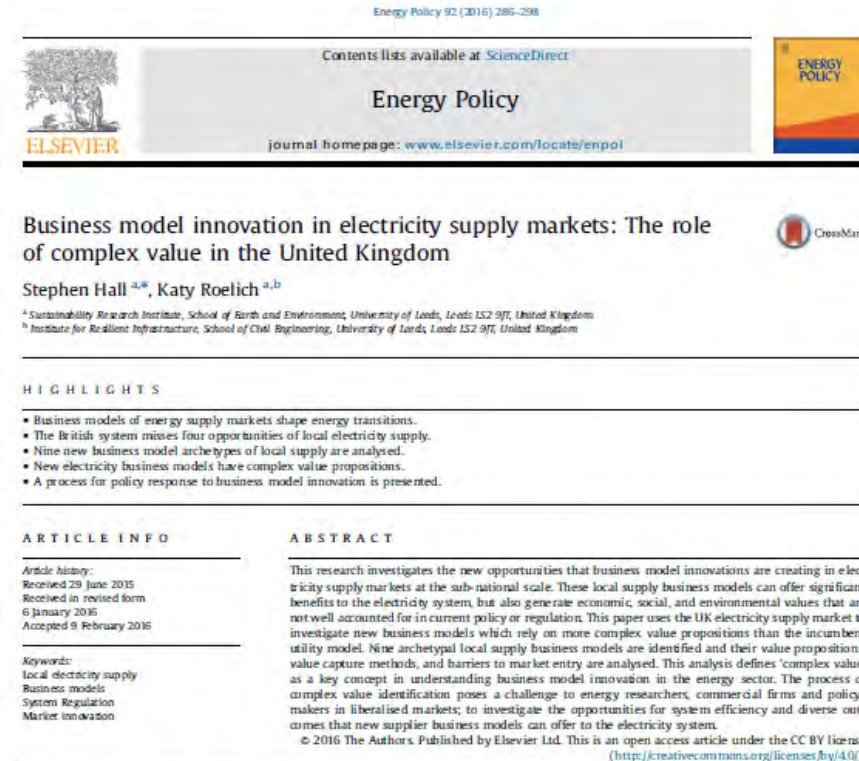
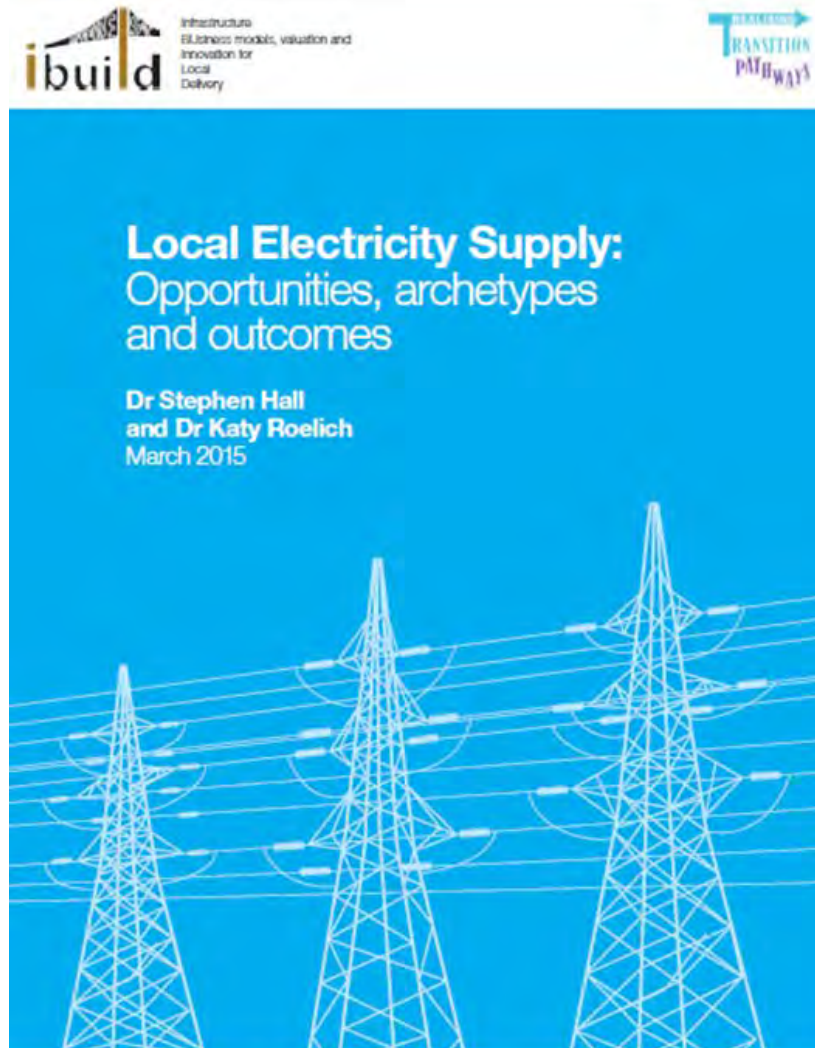
What is a business model archetype and why are they useful?



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1. Introduction

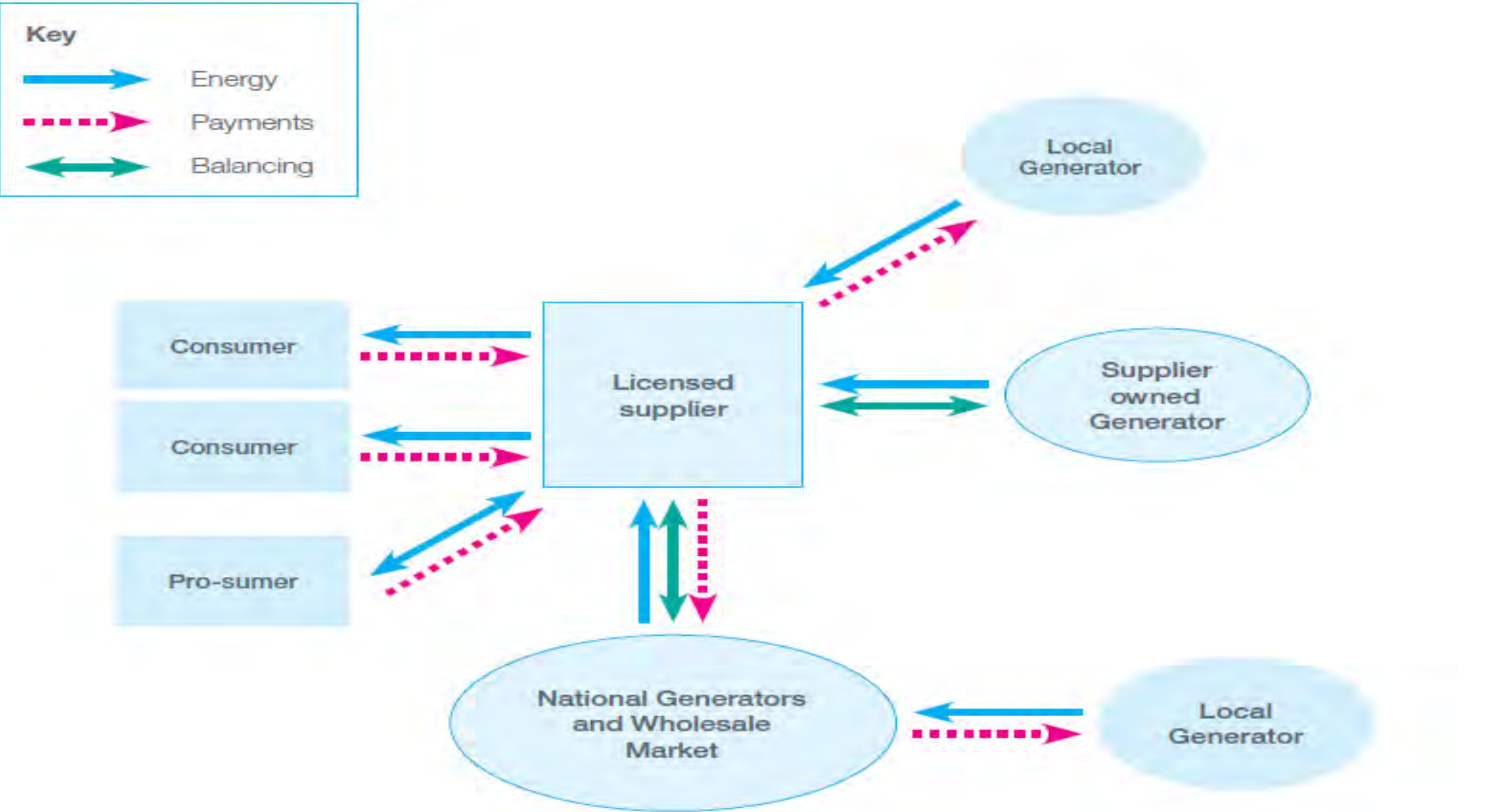
To achieve energy transitions, technological and business model innovation must co-evolve with policy and system regulation (Foxon, 2011). However, much of the literature on technical and business model innovation neglects the retail or 'supply' element of the energy value chain. In liberalised markets the dominant supply business model has been the corporate utility, selling units of energy to consumers in national markets (Hannon et al., 2013). Very little has been done by the energy research community to examine challenges to this dominant supply model, or the national scale at which it operates. Supply business models on smaller scales (from city-region to neighbourhood) have the

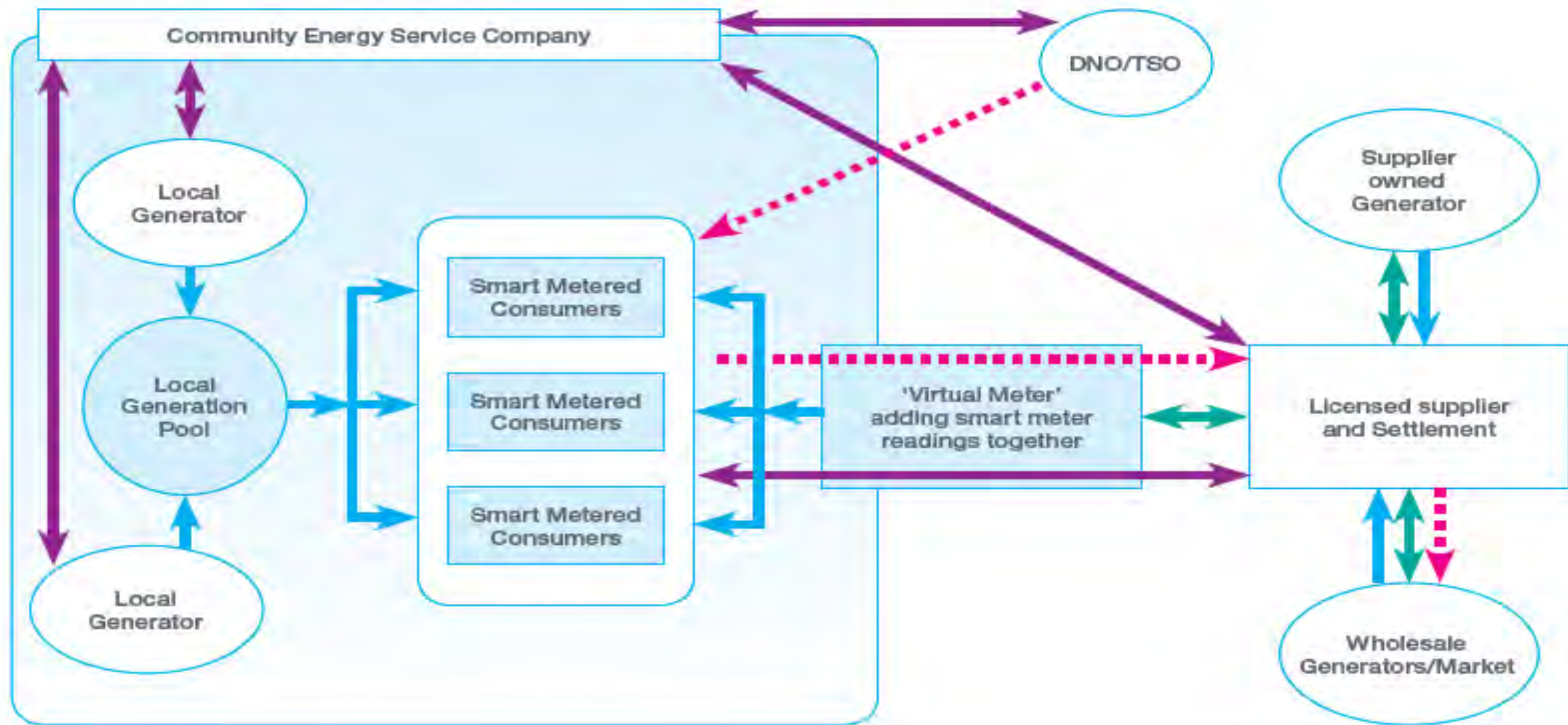
potential to: expand the penetration of renewable energy, accelerate demand management, drive energy efficiency, and re-localise energy value. However, there has been no systematic analysis of the business models that can realise these opportunities, or understanding of why they remain uncommon in liberalised markets. Electricity supply business models that are designed to operate sub-nationally, pose a number of challenges to policymakers, regulators, and mainstream utilities.

This paper is structured as follows: Section 2 describes the literatures on business model innovation in the energy sector, focussing on the value proposition and value capture elements of the business model concept to frame four research questions. Section 3 describes the study methodology. Section 4 presents our results. Section 5 considers how the notion of 'complex value' is useful in understanding these business model innovations and describes how a complex value framing poses new questions for energy policy. Section 6 concludes with recommendations for policymakers across liberalised markets.

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Diagram: The current archetype





Build solutions which work for BOTH low/ordinary income groups and the energy affluent



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Archetypes	Enabling Mechanisms	Opportunities of local supply			
		Better routes to market for local generation	Fulfilling the potential of the demand side	Real energy efficiency gains	Re-localising energy value
Current Archetype	Full Supply License	--	-	--	---
Local White Labelling	Third Party Licensed Supplier Partnership (TPLSP)	+	-	-	-/+
Local Aggregator	TPLSP	++	+++	+	+
Local 'Pool and Sleeve'	License Lite with TPLSP	+	-/+	-	+
Municipal Utility	Full Supply License	+++	+	---	++
Municipal ESCo	Full Supply License	+++	++	+++	+++
MUSCo	Full Supply License	+++	++	+++	+
Peer to Peer	TPLSP	+++	-/+	-/+	+
Peer to Peer with Local Balancing Unit	TPLSP With local settlement unit	++	++	-/+	++

People, Place and Policy (2014): 8/3, pp. 149-167. DOI: 10.3351/ppp.0008.0003.0002

Community energy and equity: The distributional implications of a transition to a decentralised electricity system

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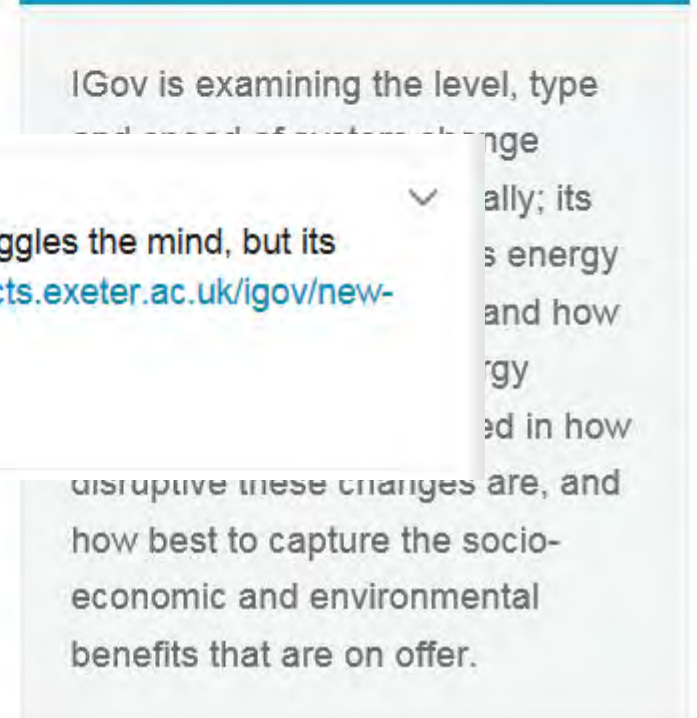
Johnson, V., **Hall, S.**, (2014) Community energy and equity: The distributional implications of a transition to a decentralised electricity system, **People, Place and Policy**, 8/3, pp. 149-167.
[doi: 10.3351/ppp.0008.0003.0002](https://doi.org/10.3351/ppp.0008.0003.0002)



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Be REALLY specific about what needs to change



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- Find infrastructure solutions and partnerships that use existing networks
- Get comfortable with consumer subsidy



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- Be confident! The economics of now are not the economics of tomorrow
- Building solutions which enable BOTH centralised and bottom up generation, storage and demand response
- Building solutions which work for BOTH low/ordinary income groups and the energy affluent
- Being REALLY specific about what needs to change
- Being REALLY clear about why we are pursuing local supply
- Finding infrastructure solutions and partnerships that use existing networks
- Getting comfortable with consumer subsidy

Thank You



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