



ERP Utility 2050 Project Update: Transfer to the Energy Systems Catapult

26th April 2017

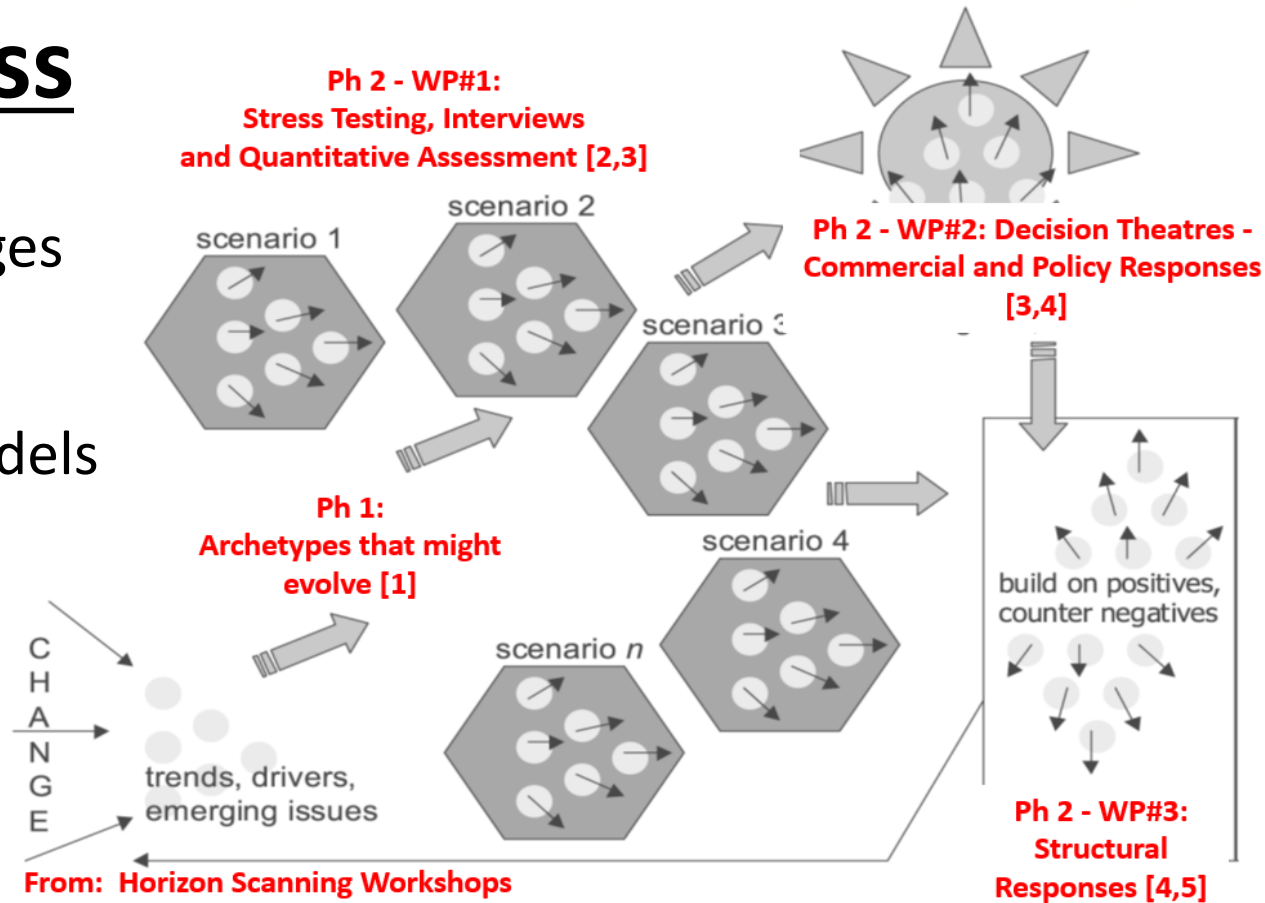
Project will provide insights for...



- Policy Makers and Regulators e.g.
 - Innovation to realise system benefits under each business model
 - Industrial Strategy once UK leaves the EU
- Investors
 - Size of “value pools” (in £) that might be available
 - Degree of risk some business models could face
- Present Incumbents
 - Strategy to navigate possible futures
- User Groups (Society)
 - Understanding types of services available and their valuation
 - Degree of behaviour change needed for new “energy life-styles”
- ALL: engagement in a “Strategic Dialogue” as to expectations

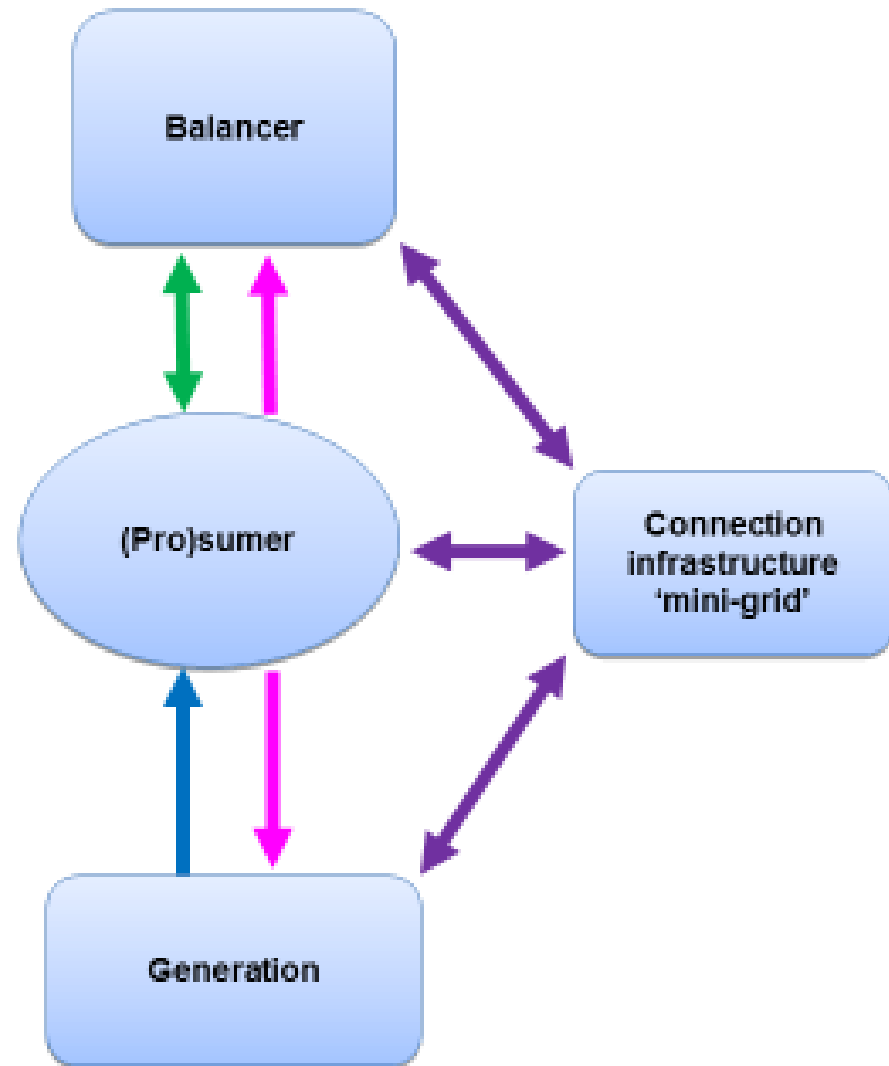
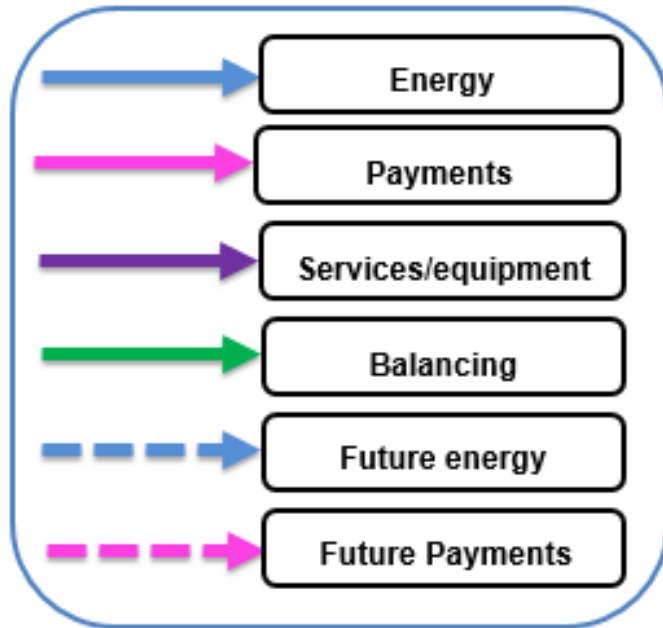
Project process

- Consider future changes
- Envisage business models
- Stress test against scenarios
- “Role play” the responses of each business model



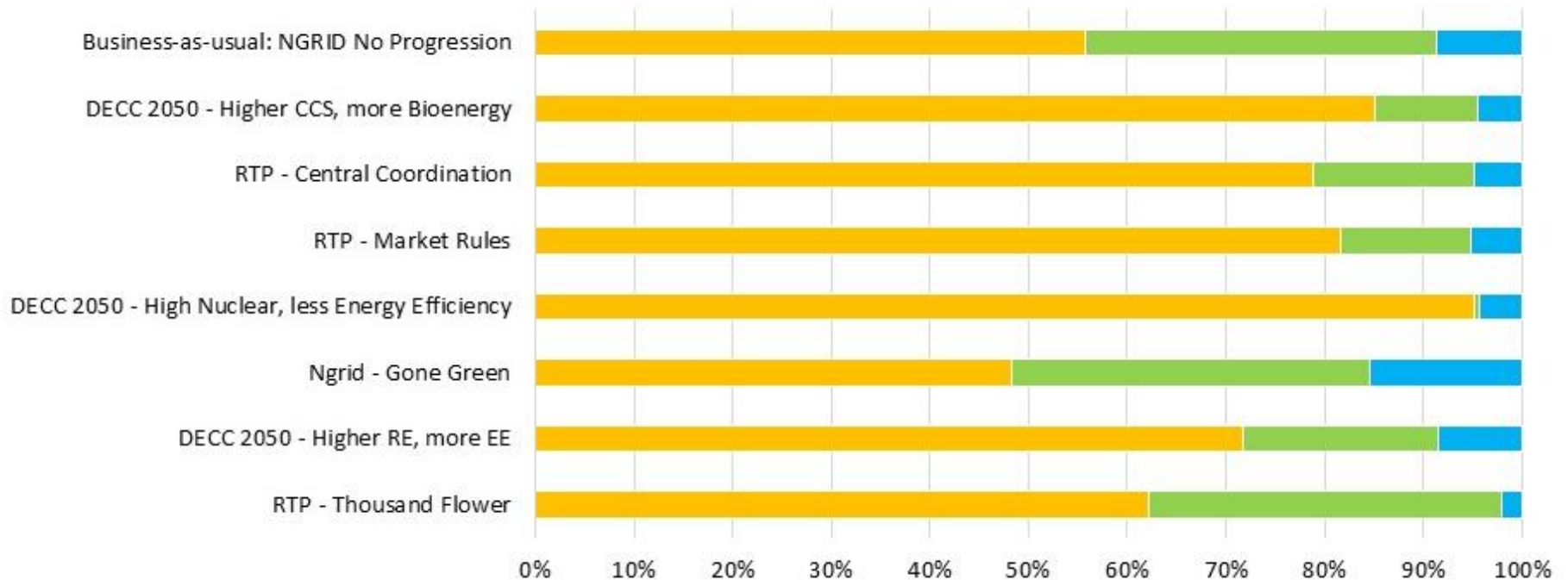
Business models:

e.g. “Grid defection”



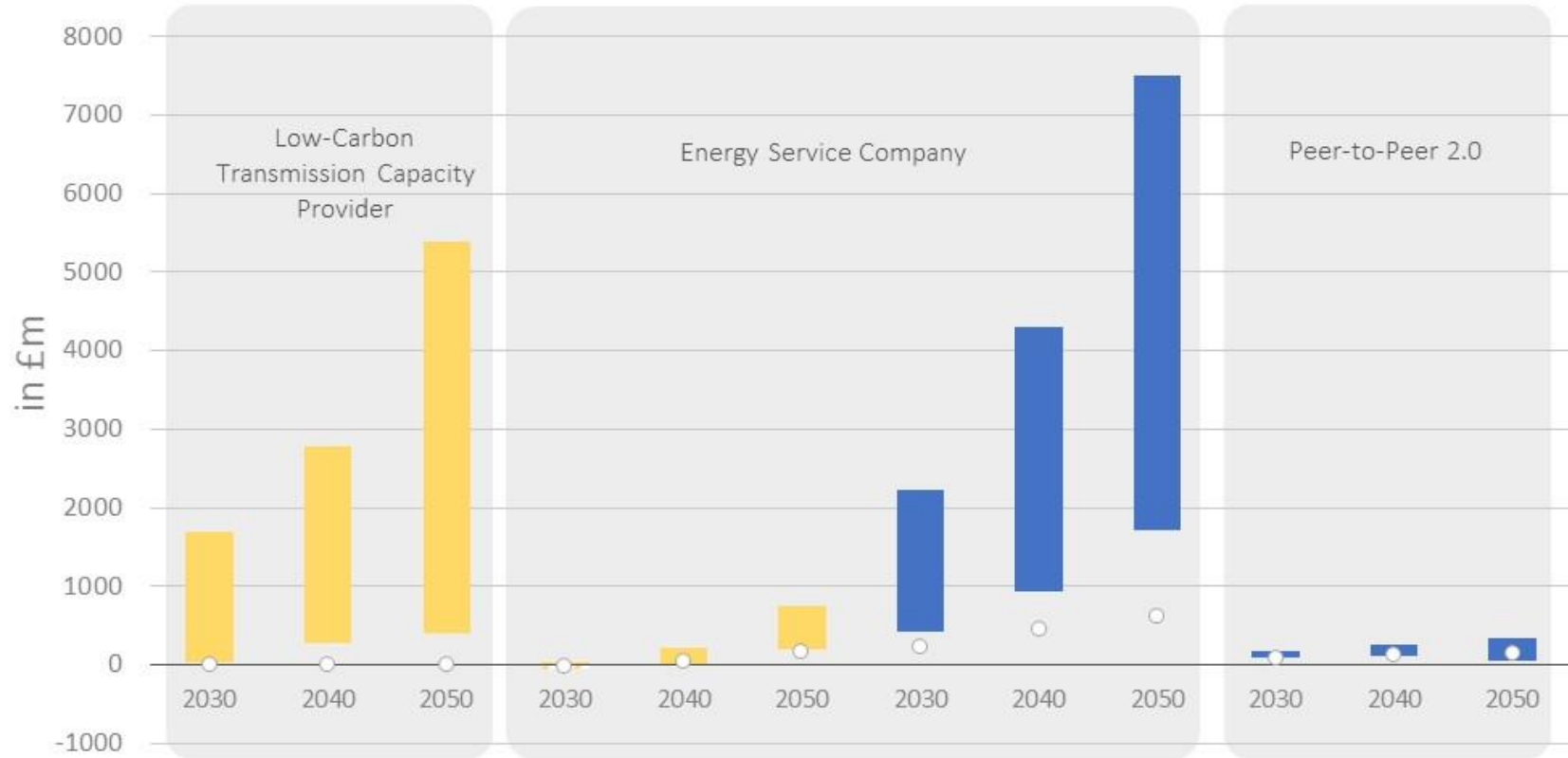
Calculations:

e.g. value pools in each scenario



Outputs:

e.g. match business models to scenarios



Next steps



- April: Segmented Societal Survey
 - to understand how different services will be valued in the future (survey completed and undergoing data analysis)
- May: Decision Theatres:
 - to define critical messages on commercial transition
- Adaptive pathways across three stakeholder sectors:
 - Government and Policy
 - Industry participants
 - Finance and Investment;
 - International Engagement: informing UK industrial strategy

Proposed transfer to ES Catapult



- Provide insights for:
 - FPSA project
 - Smart Systems and Heat Programme
- Develop Utility 2050 into a longer term project, including:
 - Impacts on whole energy system
 - Consumer engagement with business models
 - Commercial delivery
 - Metrics to allow integration with other work
 - Outputs which are clear and purposeful - understood by society.

Timetable for transfer to ES Catapult



- 26th April: Confirmation of ERP endorsement of transfer
- 28th April: Discussion with Steering Group
- 4th May: Further discussion with Energy Systems Catapult
- June 2017: Negotiation with Co-chairs and Secretariat re. details