



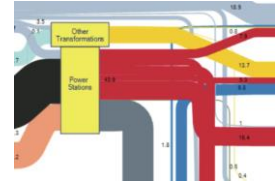
Future Topic Areas

January 2017

Topic Areas

1. Whole system / cross-vector energy sector considerations

What are the issues for whole systems considerations – and the interaction, opportunities and trade-offs between power, heat (cooling), and transport in the transition to decarbonisation.



2. Cost and feasibility of future energy solutions

Which direction is our energy system is headed and what is the ultimate price to the consumer. Can prices rise whilst costs reduce?



3. Autonomous vehicles

A look at the emerging trends in the transportation sector and the emergence of a technology trifecta; autonomy, connectivity and electrification.



Topic Areas

4. [Digitisation, Artificial Super Intelligence and Energy](#)

A look at the rapidly evolving technology landscape, the effect it is having and will continue to have on the energy sector. How can we capitalise on the benefits technology offers?



5. [Maintaining future grid flexibility](#)

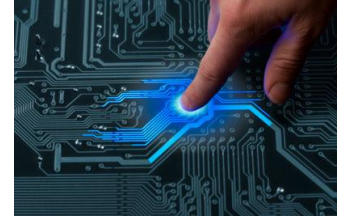
How has the world has changed since ERP delivered its work on ways to maintain a flexible grid whilst decarbonising the energy system – and what should be considered going forward.



Topic Areas

6. Emerging technologies, low carbon solutions and investment

A reflection on the outcomes from the Horizon Scanning work and the emerging technologies that will help decarbonise the energy system. How should we prioritise investment to accelerate innovation?

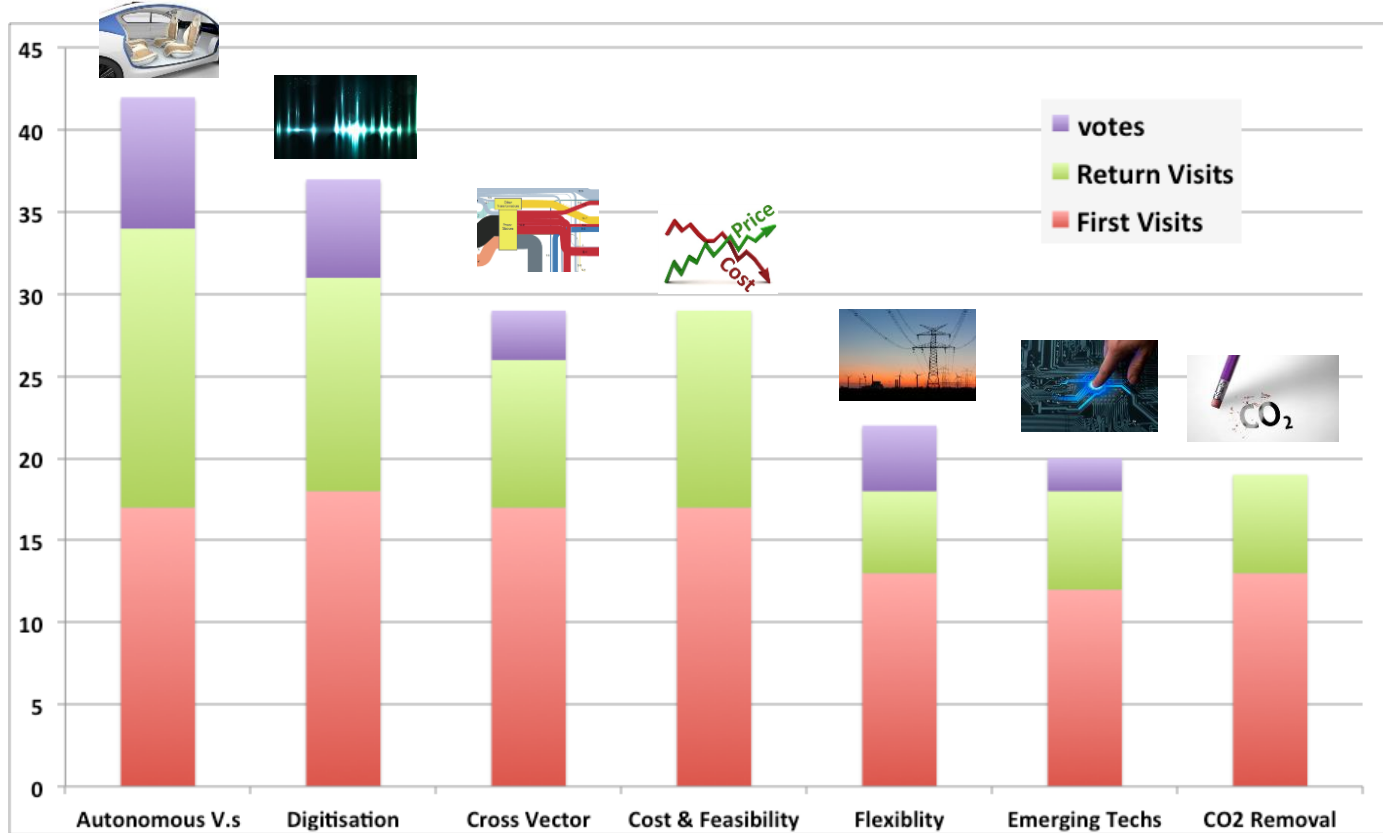


7. Greenhouse Gas Removal Technologies

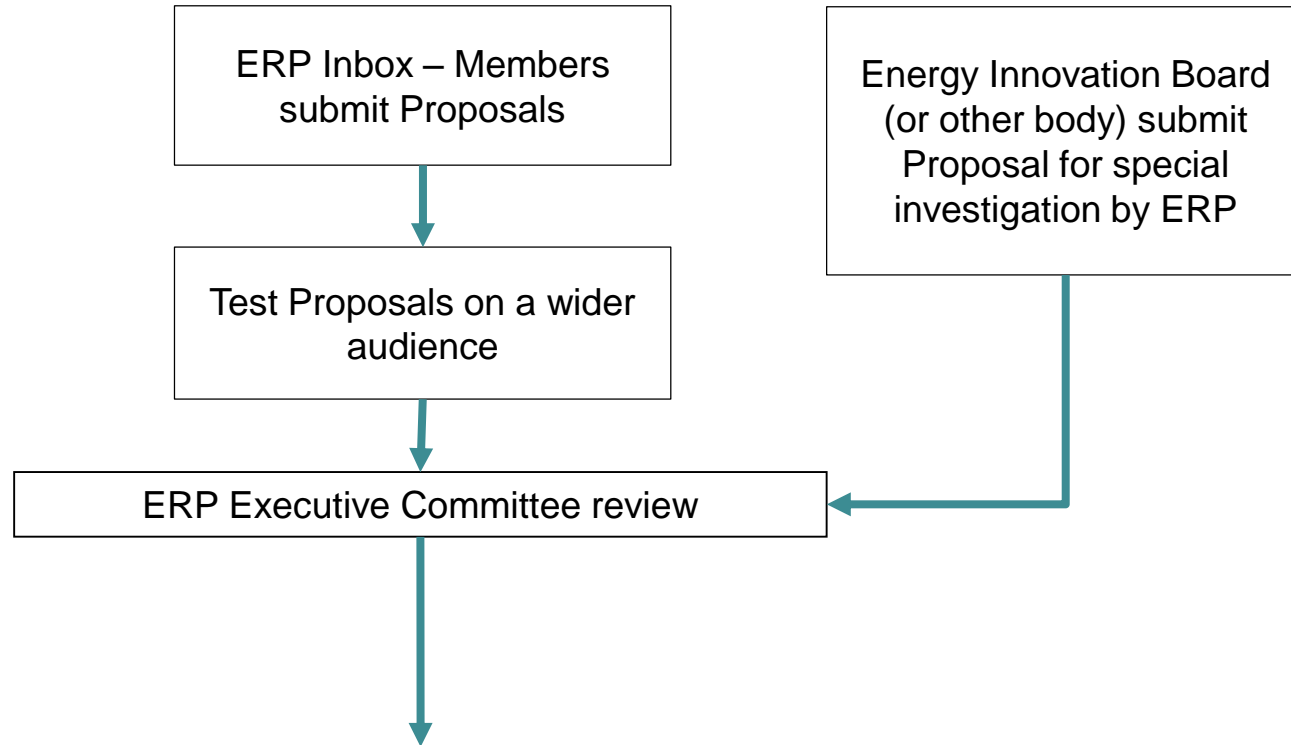
The potential importance of greenhouse gas removal, its impact on the energy system and whether it can be relied on to help address the more challenging greenhouse gas emissions.



Web Interest



Two routes to new projects



Proposed project with DfID

Energy & Economic Growth (EEG) research programme:

- Topics include: extractives, electricity generation (inc. renewables), energy infrastructure, energy efficiency
- Context: Low Income Countries and Developing Economies

Keen to engage with ERP:

- Seeking industry views on direction of research programme
 - Propose seminar(s) in early February / early March
- Offering a briefing paper based on findings to date
 - Propose that topic be chosen by ERP
 - Available in April 2017

More information by e-mail soon