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A Systemic Model of Engineering Knowledge Management from the Energy Sector

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ETI10 | TEN YEARS
OF INNOVATION
2007—2017

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The ETI is a public-private partnership between global energy and environment companies and the UK Government

Targeted development, demonstration and de-risking of new technologies for affordable and secure energy

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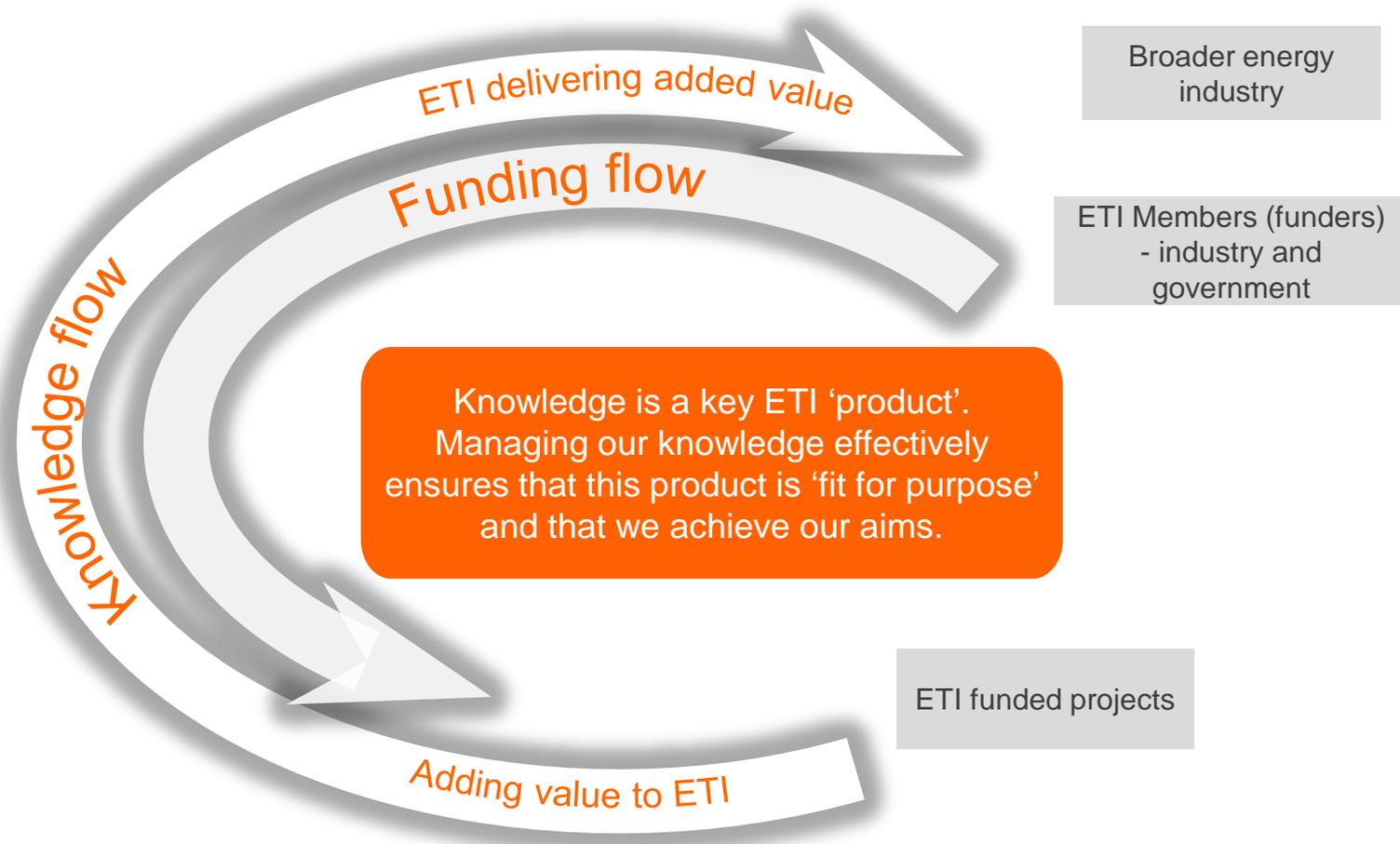


ETI Outcomes

- **A major impact on policy development** - project outputs to inform future policy/regulation/legislation, particularly around climate change and economic development.
- **Supporting the development of critical supply chains** - investment in the capability that leads to commercial development of key services, systems and component technologies for use in the UK and globally
- **Increasing investor and industry confidence** - system and sub-system demonstrations that deliver market confidence and encourage future investment

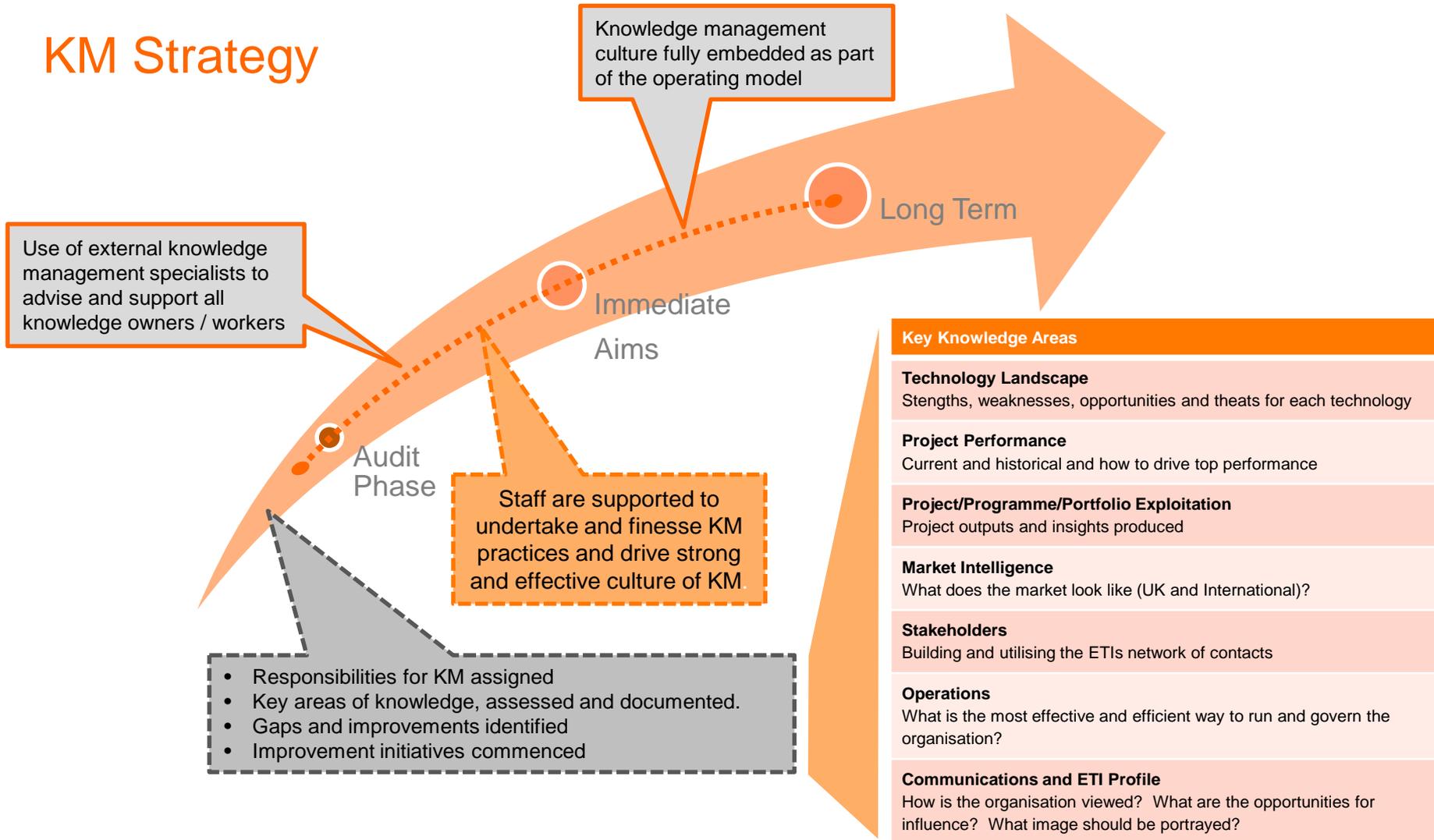


Knowledge is key to the way ETI operates



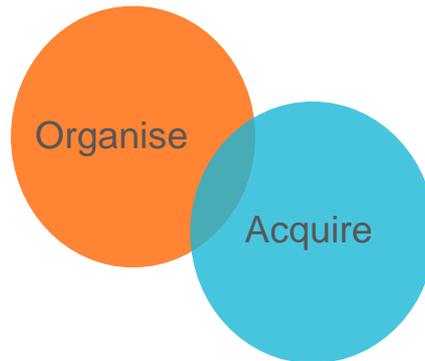


KM Strategy





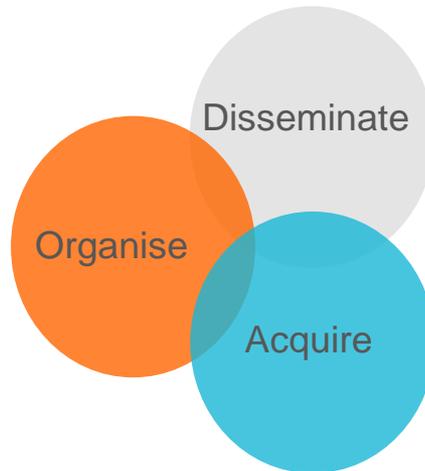
Developing a Working Model 1: Data Creation





Developing a Working Model

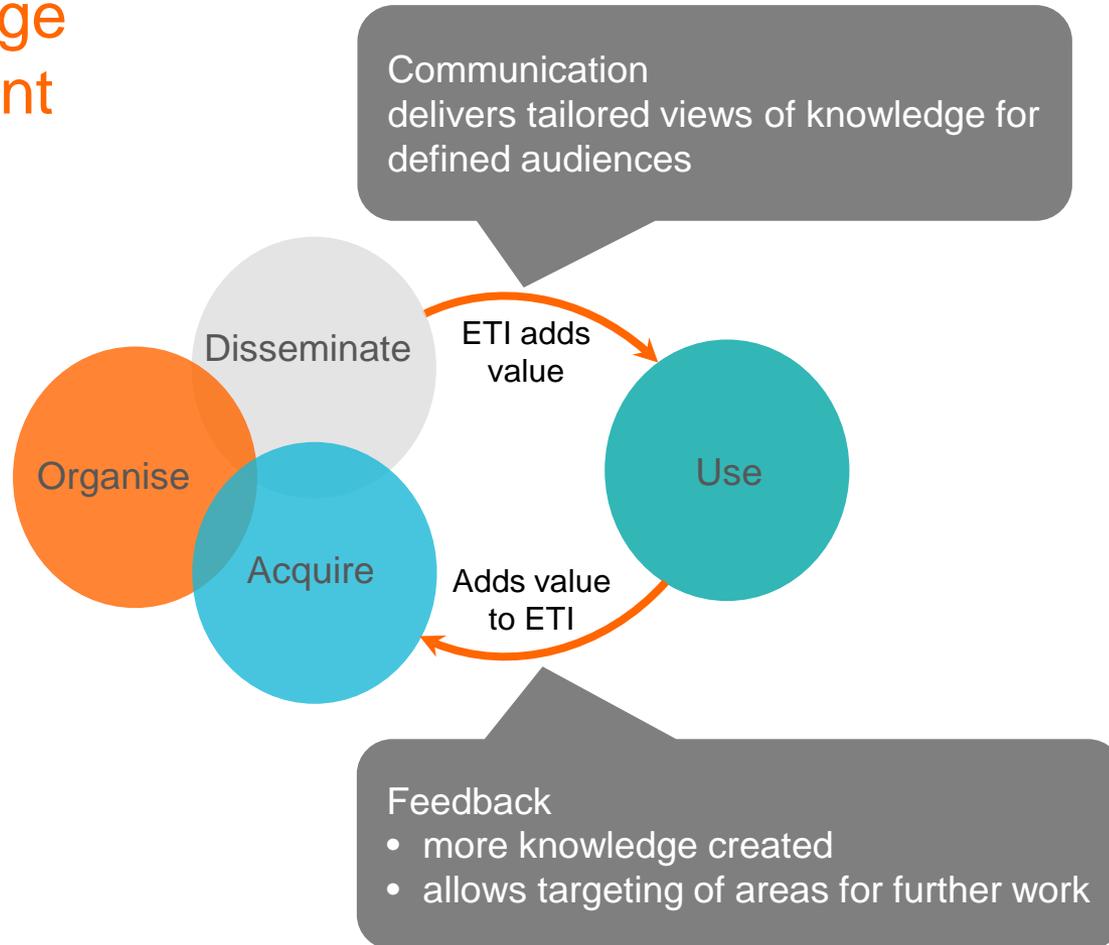
2: Information Architecture





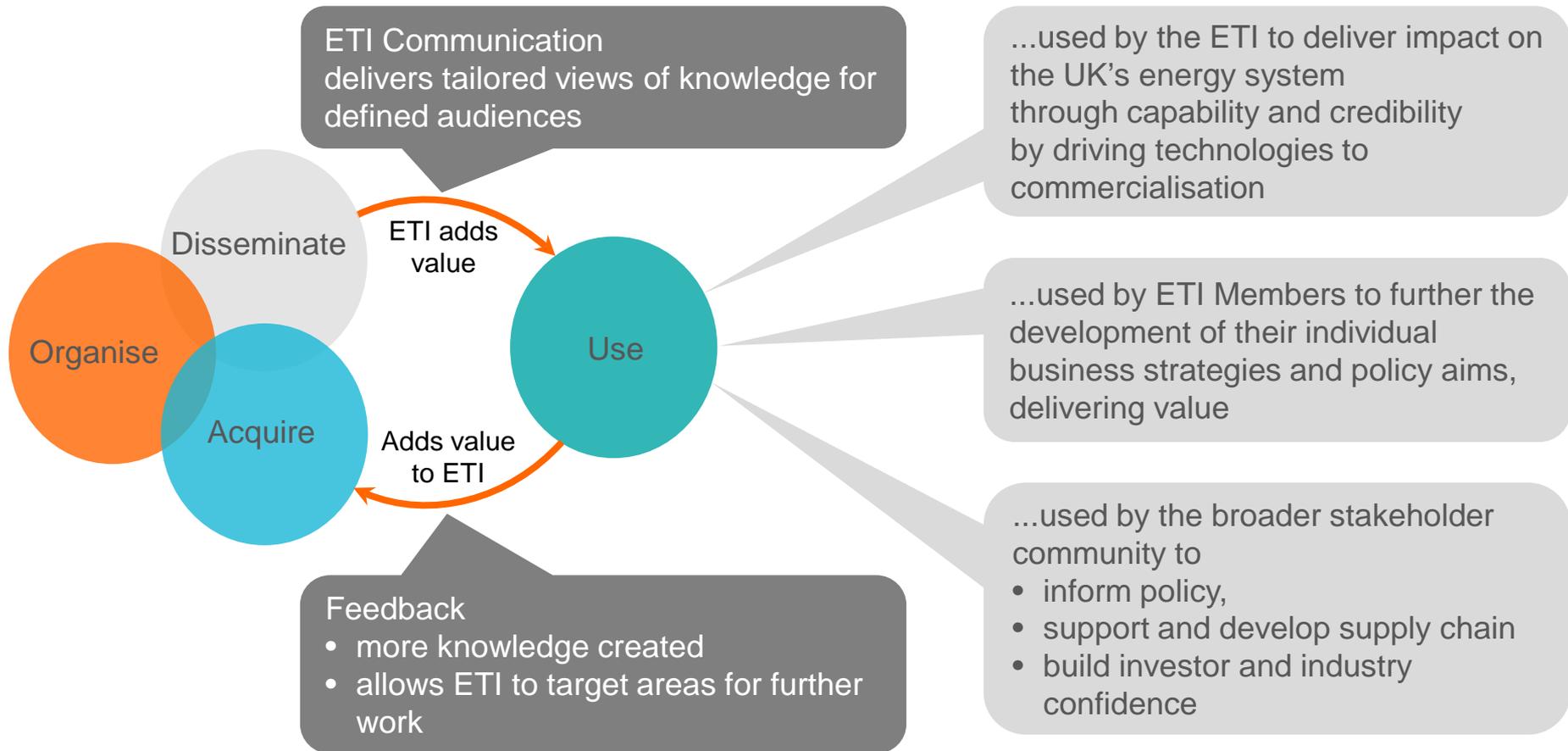
Developing a Working Model

3: Knowledge Management



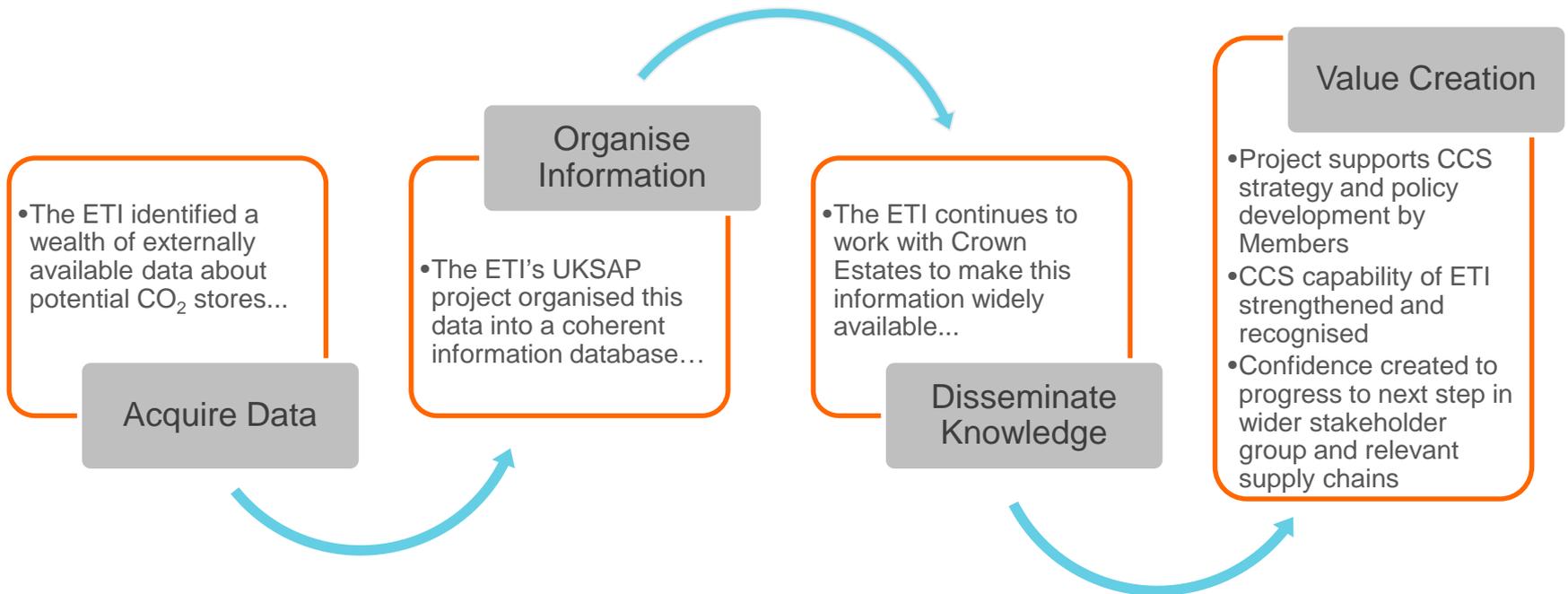


Priority is 'closing the loop' to deliver the ETI's outcomes





CO₂ Storage Appraisal as an example of ETI knowledge as a product...





Prioritising stakeholders

Level 1:

Proactively engage to develop 1:1 relationships and understand needs. Shape knowledge/narrative to meet their needs. Provide them with specific, relevant messages.

Level 2:

Proactively engage to communicate clear, generic knowledge and narrative - provide key messages

Level 3:

'Broadcast' clear, generic knowledge and narrative - provide key messages



Delivering Impact

Delivery

Activity that creates project 'outputs'

Action

Delivery of project 'benefits' to relevant stakeholders (beneficiaries)

Impact

Defined project 'outcomes' have been achieved

Delivering:

- knowledge for stakeholders
- knowledge about stakeholders
- knowledge from stakeholders



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