

CCS

The UK Regulatory Scene

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14 March 2011

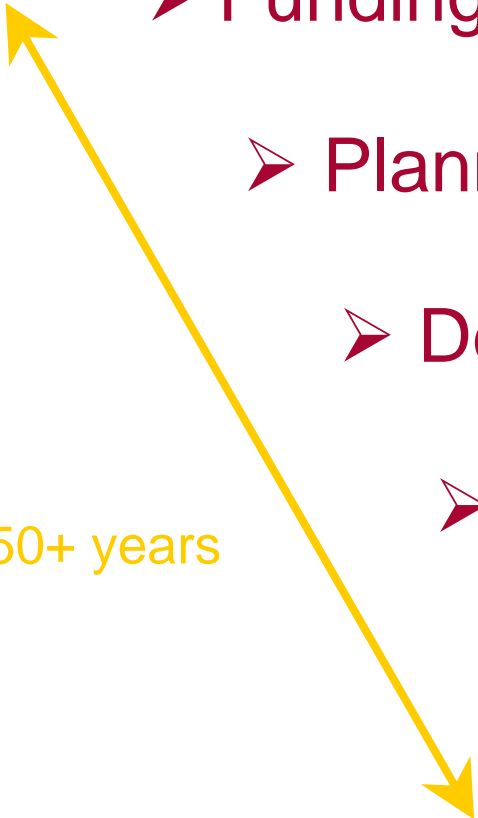
The Regulator

- Department of Energy & Climate Change
- Scottish Government
- The Crown Estate
- Environment Agency
- Scottish Environmental Protection Agency
- Health and Safety Executive
- Maritime & Coastguard Agency
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What are we regulating?



What are we regulating?

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- A large yellow arrow originates from the top-left corner of the slide and points diagonally down towards the bottom-right corner, passing through the list of regulatory stages.
- Funding mechanisms
 - Planning permission/licensing
 - Design and construction
 - Operation and maintenance
 - Decommissioning
 - Long term stewardship
- 50+ years

The wider context

- Compliance with international agreements and European Directives
- Building on existing regulatory models for oil & gas and large scale industrial processing
- Meeting the ‘Better Regulation’ principles
 - evidence based policy
 - reducing regulatory burdens on industry



HSE's regulatory role

CO₂ Capture
Intermediate Storage

Pipeline transport
on & offshore

Injection offshore

Licensing /
Planning

HSE gives a view

Design &
Construction

HSE gives advice

Operation &
Maintenance

HSE verifies compliance
(adequacy of risk control measures)

De-
commissioning

HSE's regulatory role



CO₂ Capture
Intermediate Storage

Pipeline transport
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Injection offshore

Research

HSE encourages and gets involved

Licensing /
Planning

HSE gives a view

Design &
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HSE gives advice

Operation &
Maintenance

HSE verifies compliance
(adequacy of risk control measures)

De-
commissioning

Challenges – demonstrating compliance

- Duty holders need to sufficient evidence to demonstrate that they have adequately identified and controlled the risks
- Regulators need sufficient evidence to verify compliance



Understanding the worst case scenario



Summary

- An understanding of the science and technology will lead to better policy making
- Working together and with industry to identify research needs
- Demonstration projects will inform the regulatory framework for commercial projects
- Unprecedented co-operation between regulators (UK & Internationally)
- UK Regulators leading the way

Thank you



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