

REFERENCE	
Title:	CCS Roadmap: Supporting deployment of Carbon Capture and Storage in the UK
Date:	2012
Author:	DECC
Funded by:	UK Government
Hard copy reference:	
URL:	https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/48317/4899-the-ccs-roadmap.pdf
Date accessed:	21/03/2014
Web Format:	pdf
IEA topics covered	CCS
Geographical focus:	United Kingdom
Brief Abstract:	Provides an overview of the challenges and benefits of CCS deployment in the United Kingdom.

OUTPUTS	
Short Report?	
Major report?	yes
Visualisations?	
Information held on dedicated software?	
- which package?	

ARCHITECTURE	
Timescales used:	Current to 2020s
Trends and drivers?	yes
- list	Climate change; potential for UK to be global leader; domestic job creation; export opportunities
Enablers?	yes
- list	Need for cost reduction; electricity market reform; R&D innovation; International collaboration
Performance measures/targets?	yes
- list areas	Short, medium and long term R&D needs for whole system, capture, industrial CCS, transport, Storage
Mapping of RD&D activities?	yes
Critical assessment of capabilities?	no

PROCESS	
Methods used:	

- Desk study?	Yes
- Consultation	Yes
- Interviews?	
- Facilitated workshop(s)	Yes
- Working groups/task force	Yes
- Integrated Process	Yes
Stakeholders engaged:	
- University based researchers	
- Other public sector researchers	
- Business – technology	
- Business – other	
- Government - energy	Yes
- Government – SET	
- Government - other	
- NGOs	
No of people engaged:	
Budget (if known):	
Commitment to re-visit?	yes

ACTIONS IDENTIFIED	
List of actions?	yes
Actions listed according to timescale?	yes
Actions prioritised?	No
Sequencing/dependencies identified?	No
Responsibility for actions identified?	No
Types of actions identified:	
- Basic research?	Yes
- list areas	Cost reduction;best practice approach;CCS commercialisation programme, identification of barriers and opportunities
- Applied research?	Yes
- list areas	reforming electricity market, development of long-term contracts; launching CCS programmes
- Development & demonstration	Yes
- list areas?	Implementing regulatory framework; development of storage strategy; engaging with industry on transport and storage infrastructure
- Other types of action?	
- list other types	

This Roadmap Characterisation was compiled by Samantha Quinn of the University of Edinburgh in April 2014

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