

Office of Carbon Capture & Storage: Recent developments and future plans

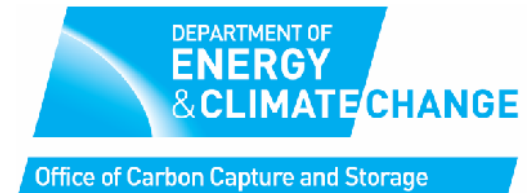
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Recent activity

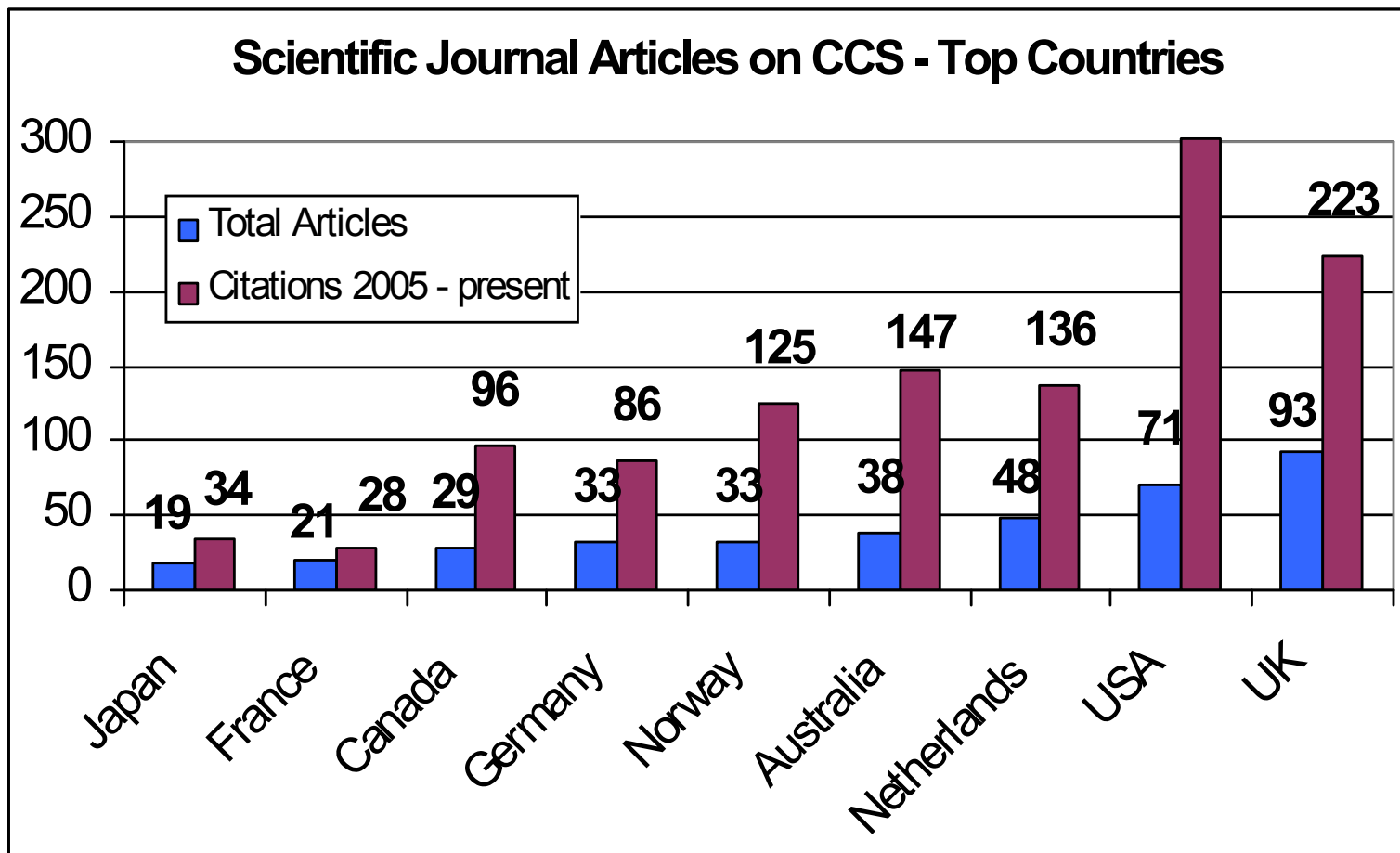


- **March 2010:** Office of Carbon Capture and Storage (OCCS) created
- **July 2010:** CCS Senior Stakeholder Conference
- **July / Sept 2010:** Market soundings [closes 15 Sept]
 - Aim: to inform the development of the selection process for projects 2-4 and to give an indication of the market appetite for the programme
 - 32 expressions of interest and 13 completed market sounding forms received to date.
 - Met with 12 companies, and have another few to meet before the exercise closes.
- **July 2010: 2050 Pathways Analysis** [call for evidence closed]
 - http://www.decc.gov.uk/en/content/cms/what_we_do/lc_uk/2

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Cumulative peer reviewed journal articles and the last five years for citations

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Doosan Babcock Oxyfuel project

- Oxyfuel combustion on scale comparable to commercial operations (40MWt burner)
- Doosan Babcock testing facilities in Renfrew, Scotland.
- System suitable for coal-fired new power plants and retrofit
- Started 2007, due for completion December 2011
- £2.2m grant; £8.1m project
- First phase of testing completed successfully
 - air and oxyfuel operation
 - Transition from full to 40% load
 - Reduction of NO_x and SO_x
- Second phase testing in the process of being agreed.

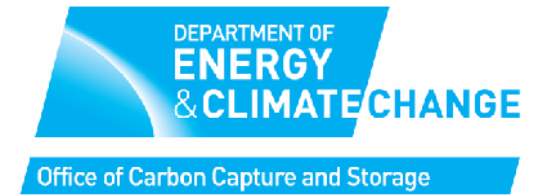


Ferrybridge project

- Ferrybridge project:
 - post-combustion capture demonstration project.
 - Capacity to capture 100tCO₂/day
 - Suitable for new power plant and retrofit on coal and gas.
 - Construction and commissioning to complete end 2010.
 - RD&D programme starts 2011 for two years.
 - Scottish and Southern Energy plant in Ferrybridge, Yorkshire
 - £6m grant; total cost £20m



Looking forward



- **Oct 2010:** Comprehensive Spending Review
- **Spring 2011:** Publish CCS Roadmap...

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OCCS – Level 0 Schedule

