

f  
**WISE**

WATERLOO INSTITUTE  
FOR SUSTAINABLE ENERGY

**LECTURE SERIES**

**FREE ADMISSION | OPEN TO THE PUBLIC**

BUILDINGS | CARBON CAPTURE AND STORAGE | FUEL CELLS | NUCLEAR | POLICY | PLANNING  
RENEWABLES | SMART GRID | STORAGE | SUSTAINABLE MOBILITY | SUSTAINABILITY ANALYSES

**PRESENTED BY THE WATERLOO INSTITUTE  
FOR SUSTAINABLE ENERGY**

**Friday, May 31, 2013  
10 - 11 am  
CPH 4333**

## **CO<sub>2</sub> STORAGE AT THE KETZIN PILOT SITE, GERMANY: 5TH YEAR OF INJECTION, MULTIDISCIPLINARY MONITORING AND MODELLING**

**Dr. Sonja Martens**, Project Manager Ketzin, Centre for Geological Storage, GFZ German Research Centre for Geosciences, Potsdam

The GFZ German Research Centre for Geosciences runs Europe's longest operating on-shore CO<sub>2</sub> storage site at the town of Ketzin/Havel near Berlin. The Ketzin pilot site was the first and is still the only active CO<sub>2</sub> storage project in Germany. The pilot site has been developed since 2004 and comprises five wells, an injection facility and permanently installed monitoring devices. Since June 2008, more than 65,000 tons of CO<sub>2</sub> have safely been injected into sandstone horizons at depths of 630 to 650 m. Investigations covering all aspects of a CO<sub>2</sub> storage site are conducted with the main focus on reservoir monitoring and modelling. Thus the CO<sub>2</sub> injection is accompanied by one of the most comprehensive research and development programs worldwide.

As carbon capture and storage (CCS) is controversially discussed in Germany, an engagement program was set up and a visitor centre is available on site which supports the research activities. In this presentation, the practical experiences and results from the 5th year of CO<sub>2</sub> injection at the Ketzin pilot site will be reviewed.

For more information please also visit: [www.co2ketzin.de](http://www.co2ketzin.de)

### **Biography**



Sonja Martens is the project manager of the pilot site Ketzin in Germany, Europe's longest operating onshore CO<sub>2</sub> storage site. She joined the GFZ German Research Centre for Geosciences in Potsdam in 2009. At the Centre for Geological Storage, she coordinates the research and development project CO<sub>2</sub>MAN (CO<sub>2</sub> Reservoir Management) with 14 partners from science and industry and is involved in the EU project CO<sub>2</sub>CARE (CO<sub>2</sub> Site Closure Assessment Research).

She studied in Hamburg and at the University of Waterloo (exchange student in 1998/99) and holds a diploma in civil and environmental engineering and a PhD from the Hamburg University of Technology. From 2006 to 2009, she was a consultant in Celle, Germany for the Environmental Site Assessment Group of Golder Associates Inc.