

## **CCSEA-JPN** CARBON DIOXIDE CAPTURE AND STORAGE AND ENVIRONMENTAL ASSESSMENT – JOINT PARTICIPANTS NETWORK (CCSEA-JPN)

## **OBJECTIVES**

The Carbon dioxide Capture and Storage Environmental Assessment -Joint Participants Network (CCSEA-JPN) is a research network for leading scientists and engineers in the area of environmental issues of offshore CO<sub>2</sub> geological storage and ocean sequestration. The network was launched under the initiative of the Department of Ocean Technology, Policy and Environment in the University of Tokyo in Japan in 2012. CCSEA-JPN is aimed at investigating the impacts of the unintentional CO<sub>2</sub> markets.

leakage and migration on marine and local environment, advancing technologies to project and monitor CO<sub>2</sub> leakage, helping establish legislations, and securing public acceptance for CCS. Through these activities, CCSEA-JPN will contribute to accelerating large-scale demonstrations and subsequent commercialization of CCS in Japan and help to introduce Japan's innovative technologies into the overseas





(QICS) project (http://www.bgs.ac.uk/qics), led by the Plymouth Marine Laboratory. The Japanese members have been conducting computational simulation, monitoring, observation and chemical analysis in the project's primary experiment. The test was carried out by releasing moderate levels of CO<sub>2</sub> into shallow sediments in a Scottish Bay in May and June 2012. They have studied the progress and effects of a controlled CO<sub>2</sub> leak and extrapolated these to real-life situations, which might occur in the future, together with their UK partners.