

Chemical Engineering Seminars – TT 2009

*Week 4, Wednesday May 20th 2009, 4:00PM-5:00PM
Lecture Room 2, Thom Building, Engineering Science*

Turning back the clock on climate change. Adding alkalinity to the ocean to address climate change and ocean acidification

Tim Kruger,
Cquestrate

Abstract

The addition of alkalinity to the oceans would enhance the capacity of the oceans to act as a carbon sink and at the same time counteract the effect of ocean acidification. If sufficient alkalinity is added it would be possible to return atmospheric levels of carbon dioxide back to what they were before the Industrial Revolution. This seminar will explain in detail the process, explore the challenges of this geoengineering approach and consider some of the issues raised.

Biography

Tim Kruger is the Founder of Cquestrate which is investigating this process. Since studying Natural Sciences at Cambridge University, Tim has worked in industry in a variety of innovation roles. For the past year he has been funded by Shell through their GameChanger programme to investigate the viability of this process