

Dr. Ken Buesseler, Woods Hole Oceanographic Institution



April 2010, US icebreaker Palmer at UK Rothera Station docks

Dr. Buesseler is an oceanographer who specializes in studying the controls on carbon cycling by the oceans. Dr. Buesseler has been a leader in developing new instruments to measure the sequestration of carbon by the ocean and in developing field experiments to measure how efficiently carbon is transported from the surface ocean to the deep sea on sinking particles. He has participated in several of the open ocean fertilization experiments to understand the role of nutrients, such as iron, on the oceans carbon cycle. He recently convened a major international conference on ocean iron fertilization with a goal to understand the impacts and efficacy of ocean iron fertilization as a potential carbon mitigation process. This conference led to a series of general audience articles as well as a set of policy recommendations for how to carry out future research in this area. Dr. Buesseler has served as Chair of the Marine Chemistry and Geochemistry Department at WHOI, as Executive Scientist of the US Joint Global Ocean Fluxes Planning and Data Management Office and two years as an Associate Program Director at the US National Science Foundation, Division of Ocean Sciences, Chemical Oceanography Program. In 2009 he was elected Fellow of the American Geophysical Union.

Further information and a CV with over 120 publications can be found at

<http://cafethorium.whoi.edu>