

HyARC Seminar (HyARC Seminar#181)

Date: May 15 (Friday) 13:30-15:00

Room: The meeting room (#617) of Research Institutes Building.

Speaker: Dr. Wee Cheah (Research Center for Environmental Changes, Academia Sinica, Taiwan)

Title: Phytoplankton and its relation to short-lived halocarbon in the South China Sea

Abstract:

Unlike the long-lived halogen substances such as chlorofluorocarbon (CFC) that are known for its role in ozone depletion, short-lived halogen such as bromoform (CHBr₃) usually does not contribute to ozone depletion.

In tropical regions with high convective activity such as the tropical South China Sea, however, ascending warm air are capable of lifting the short-lived halogen into the stratosphere and could contribute to ozone destruction.

In November 2011, a study was carried out in South China Sea and Sulu Sea to investigate the relationship between phytoplankton and short-lived halocarbon.

The results from this study will be presented and discussed.

(given in English)