

China-Beijing

Activities

- A part of China-GEOTRACES is accommodated in the Japanese KH-13-4 cruise by the *R/V Hakuho Maru* and in the NN376 cruise by the *R/V Nagasaki-Maru* in June and July 2013 to collaborate in the East China Sea. Measurements for dissolved Al, Mn and As were conducted to understand where and how terrestrial material transport into the Sea of Japan and western North Pacific.
- There are several cruises carried out in the Yellow Sea and East China Sea during 2013, including May, July, August and October cruises. Measurements for dissolved REEs, Al, Mn and As are planned to be measured to understand the composition of water masses in the study area.

Capacity building

- Clean lab is established in the OUC. Young researchers are trained by Prof. Jing Zhang from University of Toyama for the clean sampling protocols by attending Japanese cruises and also by attending testing cruise in July.
- A clean sampling system is to be purchased from the lab of C. Measure to accommodate the new vessel that is being built in XMU.

Publications

- Li Fa-Ming, et al., 2012. The biogeochemical behavior of dissolved aluminum in the southern Yellow Sea: influence of the spring phytoplankton bloom. *Chinese Science Bulletin*, doi:10.1007/s11434-012-5512-5
- Gu, H., et al., Using radium isotopes to estimate the residence time and the contribution of submarine groundwater discharge (SGD) in the Changjiang effluent plume, East China. - *Continental Shelf Research* 35:95-107.
- Wang, D., et al., 2012. Occurrences of dissolved trace Metals (Cu, Cd, and Mn) in the Pearl River Estuary (China), a large river-groundwater-estuary system. *Continental Shelf Research*, 50/51: 54-63.

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