

ANNUAL REPORT ON GEOTRACES ACTIVITIES IN NORWAY

May 1st, 2017 to March 30th, 2018

Publications

- Marco van Hulten et al. at the Geophysical Institute, University of Bergen published a paper in Biogeosciences on the distribution of manganese in the West Atlantic Ocean. They fitted data from GEOTRACES GA02 transect to the first global ocean circulation model for Mn.
- Marco van Hulten, Rob Middag, Jean-Claude Dutay, Hein de Baar, Matthieu Roy-Barman, Marion Gehlen, Alessandro Tagliabue, and Andreas Sterl Manganese in the west Atlantic Ocean in the context of the first global ocean circulation model of manganese Biogeosciences, 14, 1123-1152, <https://doi.org/10.5194/bg-14-1123-2017>, 2017
- Marco van Hulten et al. also have a paper in review in Geoscientific Model Development journal on scavenging and circulation of thorium-230 and protactinium-231 in the ocean:
- Marco van Hulten, M., Dutay, J.-C., and Roy-Barman, M.: A global scavenging and circulation ocean model of thorium-230 and protactinium-231 with realistic particle dynamics (NEMO-ProThorP 0.1), Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2017-274>, in review, 2017.
- And finally, Christoph Heinze from the same institute have also submitted a paper Biogeosciences discussions on the potential of using ^{230}Th for detection of ocean acidification impacts: <https://www.biogeosciences-discuss.net/bg-2017-305/>

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