

ANNUAL REPORT ON GEOTRACES ACTIVITIES IN NORWAY

May 1st, 2021 to April 30th, 2022

GEOTRACES or GEOTRACES relevant cruises

- NTNU Nansen Legacy Project spring cruise in the Northern Barents Sea (bio-essential and toxic element and DOC characterization) in the water column and sediments. April – May 2021.
- NTNU Nansen Legacy Project late summer cruise from Northern Barents Sea the Nansen Basin (bio-essential, toxic and rare earth elements) in the water column and sediments. August – September 2021.
- NTNU Best- Siberian project participation in a Russian Arctic cruise on board the RV "Akademik Mstislav Keldysh" (bio-essential and toxic elements) in the water column and sediments. October-November 2021.

New Funded projects:

- NTNU participation in the NEXUS-MONARC project: Capacity Building Nexus for Monitoring Water Quality in Multi-Stressor Areas: Pilot Study at the Hellenic Volcanic Arc. HORIZON-WIDERA-2021-ACCESS-03 (EU funded).

Other GEOTRACES activities

- The Biogeochemistry group at NTNU led by Dr. Ardelan have strengthened their trace element lab by adding a new DMA-80 and a Brooks Rand total Hg and MeHg determination instruments.

GEOTRACES presentations in international conferences

- Seasonal scavenging of inorganic mercury during transition to Arctic polar night. Stephen G. Kohler, Lars-Eric Heimbürger-Boavida, Mariia V. Petrova, Murat V. Ardelan. Arctic Frontiers 2021 conference presentation.

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