

Blue Comms: Communicating climate science from the North to South Atlantic (NoSoAt2016)

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Improving our knowledge of the ocean requires a new generation of well-trained researchers who are able to combine practical field work at sea with modern multi- and cross-disciplinary research methods and techniques and outreach potential. The 2016 North South Atlantic Training Transect (NoSoAT) investigates Ocean, Atmosphere and Climate on a transect from Bremerhaven (Germany) to Cape Town (South Africa) from 12th November to 12th December 2016.

This exciting training programme brings together International participants from through joint cooperation between the Alfred Wegener Institute (AWI), the Strategic Marine Alliance for Research & Training (SMART), AtlantOS, REKLIM and the Partnership for Observation of the Global Oceans (POGO) and the Nippon Foundation.

25 scholars from 18 nationalities are being trained in the principles of oceanographic and atmospheric interactions and their impacts on climate. Work on board focus on practical applied research techniques along with lectures, exercises and student presentations. Participants are getting hands-on training in deployment and operation of scientific gear (e.g. Expendable Bathythermographs, Rosette Sampler with CTD sensors, atmospheric Lidar system), acquisition and processing of the sample material and analysis and interpretation of the respective data, acquisition and interpretation of satellite data. The international teaching team of 10 interdisciplinary scientists is training the students in understanding climate processes and simple climate modelling, remote sensing techniques and the legal framework of ocean governance and its impacts on research activities at sea.

Before, during and after the cruise activities and information on climate related issues are being communicated via student-led blogging, twitter activities and mini videos. With these activities we are going to address school classes and the general public. In groups, the students act as ambassadors for the specific topics and react on tweeted questions concerning Climate & Meteorology, Remote sensing, Oceanography, Ocean Governance and Art & Science.