



**International Marine and Atmospheric Science Symposium  
INDP, Mindelo, Republic of Cabo Verde,  
May 20<sup>th</sup> to 22<sup>nd</sup>, 2015**

***Concept Note***

The International Marine and Atmospheric Science Symposium is jointly organized by the Instituto Nacional de Desenvolvimento das Pescas and the GEOMAR Helmholtz Centre for Ocean Research Kiel and aims at commemorating the long-standing cooperation between the two institutions and many other national and international partners in the field of marine and atmospheric sciences. It wants to highlight the importance of research conducted in the Tropical Northeast Atlantic throughout the past years and the need for a better understanding and long-term studies of the tropics, a region that is characterized by various relevant climate-driving processes, where the atmosphere and the ocean interact in multiply dynamic ways and where responses to anthropogenic influences are to be expected with profound socio-economic effects. It further intends to demonstrate the progress made on the construction of the OSCM, which shall be made available to the international marine and atmospheric science communities and which aims at facilitating field research in the West African region and providing a lively training-through-research environment. The symposium is mainly divided into four sessions:

**“Vision Statements”** - May 20, morning:

Across the Atlantic, a dialogue has been started to promote a network of Atlantic times-series stations with colleagues from Brazil and the Canary Islands who are also planning and constructing observational platforms in the Atlantic. Six representatives of research institutions from Cape Verde, Germany, Spain, Brazil and Canada are joining and giving presentations to promote this network and talk about the long-term interest and perspectives of research in the tropical Atlantic with special emphasis on the Ocean Science Centre Mindelo.

**“Field Visit to Scientific Infrastructures”** - May 20, afternoon:

A presentation on the OSCM and a field visit to the research infrastructures RV Islândia and Cape Verde Atmospheric Observatory (CVAO) shall offer the opportunity for interested participants and those who are visiting Mindelo/INDP for the first time to learn about the assets of the cooperation and the consortia and staff who are running and maintaining them.

**“Science Cases”** - May 21, all day + May 22, morning:

22 scientists from 7 different countries will report on their science case from a broad range of research conducted in the region. The science cases comprise the fields of geology, atmosphere, biogeochemistry, biology and ecology.

**“Workshop on Academic Cooperation”** - May 22, afternoon:

The workshop is intended as an interests exchange among university representatives for closer collaboration and promotion of local young scientists' careers. Participants from the University of Cabo Verde, Kiel University, Federal University of Pernambuco/Brazil, Federal University of Rio Grande/Brazil, Dalhousie University/Canada and the Gulbenkian Institute of Science/Portugal will discuss needs and potentials.

A joint dinner, coffee and lunch breaks will offer room for mingling and exchange and building upon and creating new networks.

**HOSST-TOSST Summer School – May 18<sup>th</sup> to 29<sup>th</sup>, 2015**

The Symposium will further be embedded in the Summer School on “Ocean Biodiversity and Management”, organized jointly by the “Helmholtz Research School Ocean System Science and Technology” (HOSST) of Kiel University/GEOMAR and the “Transatlantic Ocean System Science and Technology” (TOSST) research school of Dalhousie University, Halifax/Canada in cooperation with the Instituto Nacional de Desenvolvimento das Pescas (INDP). In addition to the Kiel- and Halifax-based Ph.D. students, this summer school will also include students from Cabo Verde and West Africa. The Summer School will deal with how ocean system science and technology can contribute to ecosystem-based management of marine biodiversity with special emphasis on what the Ocean Science Centre Mindelo (OSCM) could do in the future. The interdisciplinary scientific program focusses on lectures and field trips that address different topics of marine research, such as pelagic ecosystems, fisheries, seafloor structures and coastal management.