



SEMINAR ANNOUNCEMENT
BOĞAZIÇI UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING



WAVES AND CLIMATE CHANGE

by

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Date: Tuesday, 21 November 2023

Time: 13:00

Place: VYKM-6 (Engineering Bldg, Bebek Campus)



Dr. Alvaro Semedo holds degrees in Naval Sciences and Hydrography (PDdips in Portugal), Physical Oceanography and Meteorology (MSc in USA) and Meteorology (PhD in Sweden). He has worked in Netherlands, Portugal, Denmark and Sweden before becoming Dean of Postgrad. Studies at the Portuguese Naval Academy (Lisbon; 2010-2016). In 2016, he joined the IHE Delft Institute for Water Education (NL) as a Senior Lecturer in Coastal Oceanography. His research interests are air-sea interaction, ocean wave dynamics, wave modelling, wave climate and climate change, as well as coastal meteorology and coastal oceanography.

The COWCLIP Project: How will the ocean waves and storms change in the future?



Abstract: Future changes in ocean wind-wave climate have broad implications for the operation and design of coastal, near- and off-shore industries and ecosystems, and may further exacerbate the anticipated vulnerabilities of coastal regions to projected sea level rise. However, wind waves received little attention up until recently in global assessments of projected future climate change. The COWCLIP (coordinated ocean wave climate project) has been working since 2010 in providing wave climate studies and future projections to the scientific community in general and to the IPCC in particular. The COWCLIP results and efforts in several wave climate and future wave climate projections will be presented, answering the basic question: how will ocean wind-wave waves change in the future due to climate change?



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