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EDUCATION

Dipl.-Ing., University of Siegen, Germany (2010), PhD in Coastal Engineering, University of Siegen, Germany (2014)

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BIOGRAPHY

Sönke Dangendorf is an Assistant Professor in the Department of River-Coastal Science and Engineering. Dr. Dangendorf has more than 12 years of experience researching mean and extreme sea levels, ocean tides, and storm surges and the impact on coastal flooding. He previously held positions as an "Akademischer Rat" at the University of Siegen, Germany, and as an Assistant Professor for Ocean and Earth Science at the Center for Coastal Physical Oceanography at Old Dominion University in Norfolk, VA. Dr. Dangendorf was a contributing co-author to the Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) of the Intergovernmental Panel on Climate Change (IPCC) and is currently a member of the NASA sea level science team. Dr. Dangendorf serves as an Editor of the Nature journal Scientific Data.

PUBLICATIONS

Garrett, E., Gehrels, R., Hayward, B., Newnham, R, Gehrels, M., Morey, C., Figueira, B., Dangendorf, S. (accepted): Drivers of 20th century sea-level change in southern New Zealand determined from proxy and instrumental records, *J. Quaternary Research*.

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CLASSES TAUGHT

RSCE 6660 Environmental Data Analysis in the Anthropocene

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RESEARCH INTERESTS

Sea level change and variability, spatial and temporal sea level and climate reconstructions, sea-level budgets, extreme value statistics, time series modelling, design water levels, climate change, detection & attribution, proxy reconstructions