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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 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 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). Dr. Dangendorf serves as an Editor of the Nature journal Scientific Data.

PUBLICATIONS

Li, G., Tornqvist, T., & Dangendorf, S. (2023). First real-world time-travel experiment shows ecosystem collapse due to climate change, *Nature Communications* (in press).

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CLASSES TAUGHT

- RCSE 6660 Environmental Data Analysis in the Anthropocene
- RCSE 6800 Introduction to River Science and Engineering

RCSE 1040 The Gulf Coast in 2100: Sustaining Healthy Ecosystems and Vibrant Communities

LAB GROUP

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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