

PhD scholarships and PostDoc positions at interdisciplinary German-New Zealand research group

[New International Research Training Group INTERCOAST -- Integrated Coastal Zone and Shelf-Sea Research](#)

Funded by the German Research Foundation (DFG) this International Research Training Group will be conducted in collaboration with the Universities of Bremen (Germany) and Waikato (New Zealand). Focussing on impacts of global, climate and environmental changes in coastal and shelf-sea areas INTERCOAST will train young, highly motivated and interdisciplinary qualified scientists to tackle future challenges and to be prepared for their future professional careers. Within a coastal and shelf-sea research framework these encompass marine geosciences and marine biology as well as social sciences and law in their widest senses. Further details are available at www.intercoast.uni-bremen.de.

INTERCOAST offers a well-structured curriculum with a broad research training programme. Besides becoming experts in their special field the PhD students will acquire a solid background across many disciplines of marine sciences.

As INTERCOAST PhD students will visit the University of Waikato for approximately one third of their 3-year-term giving them the possibility to work on an international level with leading scientists. Operating in close collaboration with the University of Waikato (New Zealand) and the Senckenberg Institute in Wilhelmshaven (Germany), INTERCOAST offers

13 PhD scholarships in the specific fields (linked to E TVL13/2):

- Process based analysis and modelling of beach morphodynamics (IC1)
- Scenarios for future changes in the occurrence of extreme storm surges (IC2)
- Monitoring and modelling of estuarine morphodynamics (IC3)
- Geotechnical characterization and re-use of dredged materials (IC4)
- Sediment- and habitat-dynamics under constructional impact (IC5)
- Benthic ecology and habitat mapping (IC6)
- Sediment impacts on benthic primary producers (IC7)
- Magnetic minerals as markers of coastal zone evolution (IC8)
- Numerical modelling of sediment-fluid-interactions (IC9)
- Sediment pore pressure response from in situ penetration experiments (IC10)
- Legal regulation and control of coastal zone management conflicts (IC11)
- International co-operation on management of shared and migratory fish stocks (IC12)
- Flood risk management and adaptation to climate change (IC13)

and

2 PostDoc positions (E TVL13) in the general areas of

- Marine Geosciences (PD1)
- Social sciences including Human Geography and/or Law (PD2).

Detailed project descriptions are available at www.intercoast.uni-bremen.de/jobs and it is recommended to contact Prof. Dr. Katrin Huhn and the responsible investigators of the particular project for further information.