Early Stage Researcher, PhD student /

International Master of Science Marine Geosciences, 2016, University of Bremen /

Professional Technician degree in Geology (B. Sc.), 2013, LaSalle Beauvais

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RESUME
Fellowship at the ISMAR (Institute of Marine Sciences) in Bologna, he is also a PhD student at the DICAM (Department of Civil, Chemical, Environmental and Materials Engineering) thanks to a collaboration between the CNR (National Research Centre) and the University of Bologna. This fellowship belongs to the ITN (Innovative Training Network) of the Marie Curie Actions. He is actually working on the SLATE project about submarine Landslides, and their impact on European continental margins. It is European project involving 15 ESR (Early Stage Researcher) in many different countries constitute of institutions or companies. His work focuses on 2 case studies located in Mediterranean Sea offshore Sicily to study submarine landslides. The motivation of this study is due to oil and gas exploitation plants located near these areas and may cause hazards on them. The goal of this study is to know how marine geohazards may impact marine infrastructures. To do so, he will try to identify the different mechanisms of failure by reconstructing the slide dynamics, then apply numerical models with focus on the structure of the landslides coupling to tsunamis generation and will make a model of risk and damage scenarios on marine infrastructures.
He is devoted in marine geology, participated in several oceanographic cruises both in the Baltic and in the Mediterranean Sea for scientific purposes and offshore exploration. His master thesis was to analyse pore water samples from an osmotic sampler (Marum) correlated to the temperature and the pressure data from a piezometer (Ifremer) in and outside the Nice airport 1979's scar. The aim was to detect if since the 1979's incident, the submarine groundwater discharge has been deviated towards the scar and what effect this would have on the stability of the continental margin.

ACTIVITY
Past

- Master Thesis at Marum (Germany) : "Side effects of the 1979 landslide (Nice, France) on submarine groundwater discharge and its consequences" (supervisors: Prof. Dr. Achim Kopf, PD Dr. Matthias Zabel)
- Participated in the Expedition POS500 on the research vessel Poseidon – Measurements and sampling for Master Thesis
- Participated in the Expedition AL464–LEG2 on the research vessel ALKOR – Advanced marine geophysical survey
- Geoscientific project : “Analysis of Bunkerhill Beach morphodynamics based on camera footage (Sylt Island, Germany)” (supervisor: PD Dr. Christian Winter)
- Bachelor Thesis at Ifremer (France): "Geochemical and mineralogical study of the world major rivers sediments". (supervisors : Joël Etoubleau, Dr. Olivier Pourret, Dr. Olivier Bain)

Present

- Involve into the Innovative Training Network Marie Curie Actions with the European Commission for the SLATE project on the Submarine Landslides and their impact on European continental margins.

PUBLICATIONS

- Kopf, A., Timo Fleischmann, Tugdual Gauchery, Gerrit Meinecke, Jens Renken, Ulli Spiesecke, Nikolas Stange, David Völker, Till von Wahl, Stefan Wenau, Christian Wittauer, Ting-Wei Wu., 2016. Report and preliminary results of R/V Poseidon cruise Pos500 “LISA”: Ligurian Slope AUV mapping, gravity coring and seismic reflection. Berichte aus dem MARUM und Fachbereich Geowissenschaften der Univ. Bremen, No. 312, 62 pp. (ISSN 2195-9633)
- Bayon, G., Toucanne, S., Skonieczny, C., André, L., Bermell, S., Cheron, S., Dennielou, B., Etoubleau,

J., Freslon, N., Gauchery, T. and Germain, Y., 2015. Rare earth elements and neodymium isotopes in world river sediments revisited. *Geochimica et Cosmochimica Acta*, *170*, pp.17-38.