

ACADEMIC CARRERE

Oct. 2017 – Dec 2017	Fellow in Baltic TRANSCOAST research training group funded by German Research Foundation (DFG))
Jul. 2017 – today	Project manager of the BMBF funded project CAISONET (Central Asian Isotope Network) – Task: Setup coordination of a network to determine ¹⁸ O and ² H from precipitation with partners from Tajikistan, Kirgizstan and Kazakhstan
Jun. 2016 – Jun. 2017	Parental leave
Feb. 2013 – May 2016	PostDoctoral fellow at Helmholtz Centre for Environmental Research – Department “Catchment Hydrology - Task: Groundwater related spatio-temporal changes of natural vegetation, Spatio-temporal analysis of submarine groundwater discharge (satellite and UAV based), TIR analysis to determine the soil moisture covariance, InSAR analyses and UAV-based near-range photogrammetry of subsidence
Jan. 2016 – Mar. 2016	Research fellow at the Geological Survey of Israel, group of Gideon Baer – task: InSAR analyses and UAV-based near-range photogrammetry of subsidence
Feb. 2009 – Jan. 2013	PhD Student at Helmholtz Centre for Environmental Research and TU Freiberg (Remote Sensing Group): Title “Current status and long-term insights into the western Dead Sea groundwater system using multi-sensoral remote sensing” Grade: Summa Cum Laude (1.3)
Oct. 2008 – Jan. 2009	Student research assistant at the Department Hydrogeology, Helmholtz-Centre for Environmental Research, group of Dr. Stefan Geyer, Project: SMART – task: Supervised classification of the Al Arab catchment (Jordan) based on Landsat ETM+ data
Oct. 2001 – Sep. 2008	Major Geography, Minor Biology and Environmental Engineering, University of Leipzig, Germany. Diploma Thesis „A hydrological event modeling of the Río Maipo watershed (Chile) based on remote sensing data“ Grade: Cum Laude (1.7)
Apr. 2007 – Oct. 2007	Student research assistant at the Department Urban Ecology, Environmental Planning and Traffic, Helmholtz-Centre for Environmental Research, Geomatica Group of Dr. Ellen Banzhaf, Project Risk Habitat Megacity – task: Stereographic analysis and supervised classification based on ASTER data

PROJECT PARTICIPATION

2013-2015	Spaces South Africa (BMBF) Responsible for remote sensing analyses concerning geology, groundwater recharge, flow and discharge along the southern coast of South Africa
2013-2018	Deserve – Dead Sea Research Venue (Helmholtz) Responsible for InSAR analyses based on TerraSar-X data along the western coast of the Dead Sea
2012-2013	BS-Era.net (BMBF) Responsible for multi-temporal thermal analyses based on Landsat ETM+ to detect groundwater discharge at the Romanian and Georgian coast of the Black Sea

- 2009-2013 **Sumar** – Sustainable Management of Arid Regions (BMBF)
Responsible for lineament and multi-temporal thermal analyses concerning groundwater flow and discharge at the Dead Sea based on satellite (ASTER, Landsat ETM+) and airborne data
- 2008-2009 **Smart** - Sustainable Management of Available Water Resources with Innovative Technologies (BMBF)
Responsible for land-cover classification based on decision trees using Landsat ETM+ data
- 2008 **Risk Habitat Megacity** (Helmholtz)
Responsible for the derivation of digital elevation models and a supervised decision tree land cover classification based on ASTER data and a subsequent event based hydrological model exercise

TEACHING EXPERIENCE

- Nov. 2005 – Nov. 2008 Tutor at the Geography Institute, University of Leipzig, Germany
Course: Einführung in die Fernerkundung (20h)
- Nov. 2009 Workshop at the Geography Institute, University of Leipzig, Germany
Title: Satellitenbildinterpretation (30h)
- Nov. 2010 Teaching Assistant at the Geography Institute, University of Leipzig, Germany
Course: Methoden zur Satellitenbildauswertung (30h)
- Nov. 2005 – Nov. 2008 Tutor at the Geography Institute, University of Leipzig, Germany
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