

# ANKE MARCELLE MOESINGER

## CURRICULUM VITAE

### Contact Information

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### Education

#### **PhD Cultural Anthropology**

Leibniz Center for Tropical Marine Biology, Bremen, Germany. May 2012- present.  
Thesis title: "Local perceptions and narratives of rapid environmental change on Takuu Atoll, Papua New Guinea"  
Supervisor: Professor Dr. Bettina Beer (primary)

#### **M.A. Applied Anthropology and Participatory Development (Research),**

Society and Environment Specialization.

Australian National University, Canberra, ACT, 2011.

Thesis title: "Local Perspectives and Environmental Protection: exploring the social dimensions of the Tetepare Marine Protected Area"

Supervisors: Dr. Sango Mahanty (ANU, primary) and Dr. Simon Foale (JCU, external), Professor Colin Filer (ANU)

#### **B.S. Marine Biology**, Spring Hill College, Mobile, AL, 2007.

Supervisor: Dr. Charles Chester (SHC, primary).

### Employment

#### **PhD Candidate/ Research Assistant:** Leibniz Center for Tropical Marine Ecology (ZMT).

Social Science Department. Leibniz Chair Ethnology. Bremen, Germany. May 2012- April 2015.  
Currently Guest Researcher.

Conducted 14 months of ethnographic fieldwork in Bougainville, Papua New Guinea to determine how atoll inhabitants understand their environment, what positions on rapid environmental change are currently in circulation and how these are distributed socially. Also, anthropological fieldwork focused on how these discourses on the altering environment have been shaped through interactions with previous scientists, missionaries, a documentary film crew and community members who have returned to the atoll after living abroad.

**Research Intern:** Bermuda Reef Ecosystem Assessment and Mapping Programme (BREAM), Bermuda Zoological Society at Bermuda Aquarium, Museum, and Zoo. Flatts, Village, Bermuda. Supervisor: Dr. Thaddeus J. Murdoch. August- November 2009.

Principle tasks incorporated scientific diving with an international team to monitor coral reef health and environmental change through the use of AGRRA and REEF habitat assessment protocols at 30 and 60 ft. depths across the Bermuda platform. Quantified and assessed coral cover in the lab using CPCe 3.6 database. Mapped pinnacle and patch reefs on the platform with GIS technology and assisted in targeted studies to determine fish recruitment rates on artificial reefs. Began independent anthropological research assessing Bermudian dive operations as principle stakeholders affecting coral reef ecosystem health.

**Laboratory Technician:** Dr. Just Cebrian Ecosystems Lab, Dauphin Island Sea Lab, AL. January- June 2009.

Organized and conducted field work and laboratory analysis to assess the services provided to coastal ecosystems by the implementation of restoration strategies. Primary tasks involved assessing predator- prey dynamics, population densities, and taxonomy of salt marsh and shallow marine invertebrates. Also exposed to protocols to evaluate primary production and nutrient abundance in those systems.

**Teaching Assistantships:** Dauphin Island Sea Lab Summer School Program.

Marine Invertebrate Zoology: 2008  
Coastal Geomorphology: 2008  
Marine Biology: 2008

**Lab Manager/ Head Research Technician:** Dr. Rich Aronson Coral Reef Ecology and Marine Paleoecology Lab, Dauphin Island Sea Lab, AL. April 2007- December 2008.

Responsible for identification and taphonomic analysis of coral fossils. Generated graphs to determine paleoecological events.

Supervision of lab personnel. Motivated team to practice safe procedures within the laboratory and in the field, and instructed accurate sampling, testing, measuring, and recording techniques (density assessments, tethering experiments, flume traps, scar assessments, morphometrics). Created weekly schedules for interns and technicians to ensure efficiency in laboratory and field work.

Supply requisition, data entry, and maintenance of the Coral Reef Ecology and Salt Marsh Ecology databases.

Construction, maintenance, and implementation of field equipment (quadrats, corers, temperature loggers, flume traps).

Solution preparation: Storing, handling, and disposing hazardous chemicals.

**Research Intern:** Dr. Ken Heck Benthic Ecology Lab, Dauphin Island Sea Lab, AL.  
Supervisor: Dr. Per- Olav Moksnes. June- August 2002.

Provided field assistance for Blue Crab, *Callinectes sapidus*, habitat selection and predation projects. Performed preliminary laboratory experiments on settlement behaviors of megalopae and young juvenile blue crabs.

Gained experience in construction and implementation of field and wet lab equipment (artificial habitats, cages, settlement collectors) and use of scientific equipment (suction samplers, refractometers, scales, microscopes, dissecting scopes, drying oven).

### Peer- Reviewed Publications

Aronson, R. B., I. G. Macintyre, **A. M. Moesinger**, W. F. Precht, and M. R. Dardeau. 2009.  
History of Deep Reef- Coral Assemblages on the Rhomboid Shoals of Belize. *Smithsonian Contributions to the Marine Sciences*. 38:313-321.

### Conference Papers and Presentations

Moesinger, Anke M., (2017, July) *Exploring resource use, socio- economic and political factors shaping perceptions and discourses of adaptation and adaptive capacity to climate change on Takuu Atoll, Papua New Guinea*. Paper presented at the European Society for Oceanists, Munich, Germany.

Moesinger, Anke M., (2014, November) *Understandings of rapid environmental change on Takuu Atoll*. Paper presented/ Panel Member at the Second International Symposium for Climate Justice, Bremerhaven, Germany

### Field/ Research Experience

**Bougainville Province, Papua New Guinea:** Field Research for PhD. Conducted focus group discussions, social mapping, censuses, semi- structured interviews and utilized geological techniques on Takuu Atoll and Buka. April 2013- May 2014.

**Western Province, Solomon Islands:** Field research for MAAPD (Research). Conducted semi- structured interviews, focus group discussions and biographies with participants from the Lokuru region on Rendova Island. Created extensive glossary of local Touo language and utilized NVivo 9 for qualitative data analysis. August- September, 2011.

**Andros Island, Bahamas:** Coral Reef Ecology Undergraduate Research. “Tethering experiments as a measure of predation potential in the Mangrove Periwinkle, *Littoraria angulifera*”. May 2005.

### Certifications

**St. Johns First Aid and CPR Certification Program.** Certified February 2011.

**SDI Advanced Open Water Diver.** Certified August 2009.

**NAUI Nitrox Diver.** Certified June 2009.

**American Heart Association First Aid/ AED Program.** Certified May 2008/ May 2009.

**United States Department of the Interior Motorboat Operator Certification Course.** 2007

## Languages

**German:** Native language, fluent.

**English:** Fluent.

**Papua New Guinea Tok Pisin:** Fluent

**Solomon Islands Pijin:** Conversational

## Scholarships and Awards

**Toad Hall Senior Residential Scholarship.** Australian National University. Semester 1, 2011. Reappointed Semester 2, 2011.

**Metropolitan Service Award.** Spring Hill College. 2002- 2004.

**Spring Hill College Dean's List.** 2002-2003.

## Societies and Memberships

European Society of Oceanists (ESfO)

American Anthropological Association (AAA)

International Society for Reef Studies (ISRS)

## References

### **Dr. Simon J. Foale**

Principal Research Fellow (ARC CoE Coral Reef Studies)

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Townsville, Australia

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### **Associate Prof Dr. Colin Filer**

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### **Professor Donald E. Culberson**

Associate Professor

Head of Biology

Spring Hill College

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