

Curriculum Vitae: Dominic Ken Muenzel

PhD Candidate; School of Biology; University of Leeds; LS2 9JT; UK
E: bsdkm@leeds.ac.uk T: +44 7577 152452
ORCID: 0000-0002-7158-7748 SCOPUS: 57201616434

Personal Profile

My research investigates ways to improve spatial planning and conservation outcomes for tropical marine ecosystems by incorporating processes of ecological connectivity into decision making. I have previously worked on projects related to sustainable forestry management, international development, and marine fieldwork.

Work Experience

- | | |
|---------------------|---|
| Oct 2017 – Jun 2018 | Intern (6 mo) and Consultant (3 mo) at the German Federal Agency for International Cooperation (GIZ), Hanoi, Viet Nam <ul style="list-style-type: none">• Researching and reviewing the legal framework of forestry development, biodiversity conservation, payments for ecosystem services, and protected area management in Viet Nam under the programme “Conservation and sustainable use of biodiversity and forest ecosystem services”• Supporting coordination of initiatives relating to illegal timber harvesting (FLEGT), forest degradation and loss (REDD+), and sustainable forestry certification (FSC)• Supporting capacity development of government ministries and relevant institutions to meet national targets and international commitments such as the Convention on Biological Diversity and the Paris Agreement• Presenting at meetings, workshops, and conferences on behalf of the programme |
| Jun 2016 – Aug 2016 | Marine Research Officer at Frontier UK, Mafia Island Marine Park, Tanzania <ul style="list-style-type: none">• Oversaw the marine conservation programme through design and implementation of coral reef and mangrove surveys for Marine Park monitoring• Trained volunteers in species identification and survey methodologies (e.g. underwater transect line) for benthic and pelagic communities• Engaged and liaised with Marine Park staff and local community stakeholders in creation of the Marine Park management plan |
| Jun 2015 – Aug 2015 | Research Assistant at HYDRA Institute for Marine Sciences, Elba, Italy <ul style="list-style-type: none">• Researched plastic biodegradability in the ocean under the EU-funded project “Open-Bio Elba – Bio-Degradation of Bio-Plastics under Marine Conditions”• Independently conducted related laboratory analyses• Conducted scientific diving and sediment sample collection for partner universities |
| Jun 2014 – Aug 2014 | Scuba Diving Instructor at École de Plongée Internationale de Calvi, Corsica, France <ul style="list-style-type: none">• Taught scuba diving courses and lead customers on exploration and try-dives• Assisted with equipment maintenance, customer relations, and sales |

Education

- | | |
|---------------------|---|
| Oct 2018 – current | PhD Managing tropical marine ecosystem interactions to improve the climate change futures of coral reefs, University of Leeds, UK |
| Sep 2016 – Sep 2017 | MSc Ecosystem-based Management of Marine Systems, Distinction, University of St Andrews, UK <ul style="list-style-type: none">• Core Subjects: Ecosystem-based Approach, Marine Policy and Planning, Statistical Modelling, GIS for Environmental Management, Marine Research Methods• Dissertation: Assessment of carbon emission reduction benefits in Scottish saltmarshes under different grazing regimes |
| Sep 2012 – May 2016 | BSc Biological Sciences (Zoology), First Class, University of Edinburgh, UK <ul style="list-style-type: none">• Dissertation: Inbreeding depression in parasite resistance of a free-living, Soay sheep island population |

Curriculum Vitae: Dominic Ken Muenzel

Volunteering

- May 2013 – Jul 2013 **Coral Cay Conservation, Southern Leyte, Philippines**
- Conducted reef surveys on coral, benthic invertebrate, and fish assemblages
 - Engaged in beach clean-ups and environmental education work with local communities
- Sep 2013 – May 2014 **University of Edinburgh and Marine Conservation Society, UK**
- Participated in restoration of natural parks and beach-clean ups around Scotland
- Aug 2011 **Klinikum Offenbach hospital, Germany**
- Three weeks volunteering in patient care

Training Courses

- Jul 2019 RangeShifter workshop in Bogor, Indonesia
- May 2019 OpenNSPECT training online, hosted by NOAA
- Feb 2017 Ecosystem modelling using Ecopath with Ecosim, Oban, UK

Awards

University of St Andrews – Dean’s List for academic excellence 2016/2017

Skills

- IT Skills MS Word, Excel, and PowerPoint (excellent), R (excellent), ArcGIS (excellent)
- Research methods Population and ecosystem modelling, scuba- and boat-based surveying, literature reviews
- Languages German (native), Japanese (native), English (fluent), Italian (colloquial), French (colloquial)
- Driving License UK Class B
- Scuba Certificates CMAS 1* Instructor, FFESSM N4 to 60 meters, PADI Divemaster DSD Leader, PADI EANx 40%

Publications

Martino S. and Muenzel, D. 2018. The economic value of high nature value farming and the importance of the Common Agricultural Policy in sustaining income: The case study of the Natura 2000 Zarandul de Est (Romania). *Journal of Rural Studies*, 60, 176-187.

Muenzel D. and Martino, S. 2018. Assessing the feasibility of carbon payments and Payments for Ecosystem Services to reduce livestock grazing pressure on saltmarshes. *Journal of Environmental Management*, 225, 46-61.

Country Experience

- Work Viet Nam, Tanzania, Italy, France, Philippines, Germany
- Living UK, Italy, Germany, Ivory Coast, Viet Nam, Tanzania

References

- Dr Maria Beger, Academic Fellow, University of Leeds, m.beger@leeds.ac.uk
- Dr. Simone Martino, Postdoctoral Research Associate, University of York, UK, simone.martino@york.ac.uk