



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 4712

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Scienze e Politiche Ambientali**

Scientist- in - charge: Prof. Diego Rubolini

[Katharina Reusch]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Reusch
Name	Katharina
Date of birth	12. 04. 1986

PRESENT OCCUPATION

Appointment	Structure
PhD student in Zoology	Expected submission date of PhD study in January 2021

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD			
Master	International Studies in Aquatic Tropical Ecology	University of Bremen	2013
Degree of medical specialization			
Degree of European specialization			
Other			

REGISTRATION IN PROFESSIONAL ASSOCIATIONS



Date of registration	Association	City

FOREIGN LANGUAGES

Languages	level of knowledge
English	C1

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
01/2017 to 12/2020	Nelson Mandela University Postgraduate Research Scholarship (ZAR 40000 annually)
01/2016 to 12/2019	NRF INNOVATION DOCTORAL SCHOLARSHIP (ZAR 120000 annually)

TRAINING OR RESEARCH ACTIVITY

<p>description of activity</p> <p>Currently I am finishing my PhD on the “Foraging ecology of Kelp Gulls in natural and anthropogenically modified environments”. Population levels of Kelp Gulls are generally increasing mainly due to increased feeding opportunities mostly from anthropogenic sources, such as fishery discard or landfills. Kelp Gulls are generalists and also predate on other seabird eggs and chicks such as the endangered African Penguin. As Kelp Gulls can have an important role in their ecosystem due to high population numbers it is important to understand their foraging ecology. Knowledge of Kelp Gull foraging ecology in South Africa remains very limited, with little understanding of the different habitats used over the breeding cycle. The lack of knowledge prevents an understanding of the impact of anthropogenic and natural food availability on energy budgets, population dynamics and potential impact on seabird colonies. This project combined a suite of methods to explore the foraging ecology of Kelp Gulls across their breeding cycle at several colonies in South Africa, which differed in their habitat, from natural to highly anthropogenically modified. We compared their foraging ecology, energy budgets and population dynamics (e.g. body condition) between seven different colonies. As part of this thesis I carried out fieldwork in both 2017 and 2018 during the breeding season in seven different colonies in South Africa. Incubating adult Kelp Gulls were caught with walk in traps or a noose placed over the nest, whereas Kelp Gull chicks were caught by hand. I deployed GPS loggers on adults, took body measurements for body condition analysis and fecal samples for intestinal parasite analysis. Blood was collected for further stable isotope analysis as well as blood parasite determination. In addition, stomach samples and regurgitated pellets were collected for diet analysis in the lab. Blood samples for stable isotope analysis were processed in the lab and subsequently send for analysis.</p>
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PROJECT ACTIVITY

Year	Project
2017-	Foraging ecology of Kelp Gulls in natural and anthropogenically modified environments



2016-2017	The ecology of coastal Indo-Pacific bottlenose dolphins (<i>Tursiops aduncus</i>) in Algoa Bay, South Africa
2014-2016	Long term monitoring of bottlenose dolphins in the Shannon Estuary, Ireland
2012-2013	Monitoring of cetaceans off the coast of Puerto Angel, Mexico

PATENTS

Patent
NA

CONGRESSES AND SEMINARS

Date	Title	Place
7-10 July 2019	Oral presentations at 39 th Zoological Society of Southern Africa (ZSSA) Congress	Kruger National Park, South Africa
10-13 Sept 2018	FILAMO workshop “ <i>Movement ecology of marine organisms: linking observations, data analysis tools and models</i> ”	University of Cape Town, Cape Town, South Africa

PUBLICATIONS

Books
NA

Articles in reviews
Reusch K, Suárez N, Ryan PG, Pichegru L (2020) Foraging movements of breeding Kelp Gulls in South Africa. <i>Movement Ecology</i> 8:36. https://doi.org/10.1186/s40462-020-00221-x
Levesque S, Reusch K, Baker I, O’Brien J, Berrow S (2016): Photo-Identification of Bottlenose Dolphins (<i>Tursiops truncatus</i>) in Tralee Bay and Brandon Bay, Co. Kerry: A Case for SAC Boundary Extension. <i>Biology and Environment: Proceedings of the Royal Irish Academy</i> 116(1): 1-10

Congress proceedings
NA

OTHER INFORMATION



Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Lüdenscheid, 07.10.2020

SIGNATURE

K. Reusch
