DBEM Seminar Talk

Thursday 12 April
14:00-15:00
Sala Blu (5312) CTT

Speaker

Dominik Nachtsheim is a young biologist working on harbour and grey seals in the German North Sea. In the past he was part of exciting research projects (Alfred Wegener Institute, University of Bremen) in Antarctica studying Weddell seal movements and diving behaviour. The main focus of his recent research, conducted as a PhD candidate at the **Institute for Terrestrial and Aquatic Wildlife Research (ITAW), University of Veterinary Medicine Hannover**, Foundation based in Büsum, northern Germany, is to study movement and behaviour of marine mammal species using satellite telemetry devices and additional high resolution bio-logging sensors. The acquired data is especially interesting for evaluating impacts of anthropogenic activities as well as for habitat modelling approaches.

Title

Habitat use by seals in the North Sea and the role of anthropogenic activities.

Dominik will first present the diverse research focuses of the Institute of Terrestrial and Aquatic Wildlife Research (ITAW) in Büsum, including health monitoring, acoustic investigations, population dynamics, etc. He will then Focus on the past and on-going telemetry Projects at the ITAW and present a few interesting case studies. These studies are mostly focussed on the habitat use of harbour and grey seals in the North Sea and the potential impact of anthropogenic activities.

Relevant publications

Jungblut S, **Nachtsheim** DA, Boos K, Joiris CR (2017) Biogeography of top predators – seabirds and cetaceans – along four latitudinal transects in the Atlantic Ocean. Deep-Sea Research II: Topical Studies in Oceanography. doi:10.1016/j.dsr2.2017.04.005

Joiris CR, Boos K, D'Hert D, **Nachtsheim** DA (2016) Low density of top predators (seabirds and marine mammals) in the high Arctic pack ice. Scientifica. doi:10.1155/2016/1982534

Nachtsheim DA, Jerosch K, Hagen W, Plötz J, Bornemann H (2016) Habitat modelling of crabeater seals (Lobodon carcinophaga) in the Weddell Sea using the multivariate approach Maxent. Polar Biology. doi:10.1007/s00300-016-2020-0

Nachtsheim DA, Joiris CR, D'Hert D (2015) A gravel covered iceberg provides an offshore breeding site for ivory gulls Pagophila eburnea off Northeast Greenland. Polar Biology. doi:10.1007/s00300-015-1824-7