

NordForsk-funded Nordic Centre of Excellence Project: *Arctic Climate Predictions: Pathways to Resilient, Sustainable Societies (ARCPATH)*

Is seeking applications for a Ph.D. position

Expected ARCPATH results are: improvements in Arctic climate predictions by the reduction of uncertainties originating from changes in the cryosphere and the ocean, and insights into Arctic climate sensitivity to anthropogenic forcing, as well as an increase in understanding of how changes in climate interact with multiple societal factors, ranging from development of fishing communities to consumptive and non-consumptive use of marine mammal in the North Atlantic Arctic. ARCPATH will use tools and approaches from both the natural and social sciences to create a truly interdisciplinary project that will link climate predictions with impacts on human activities through the analysis and assessment of climate-induced risk and opportunities.

The aim of this Ph.D. position is to link the distribution of small cetaceans to factors linked to climate change such as changing prey distribution and abundance due to changes in environmental conditions such as sea temperature. Passive acoustic data loggers will be used in two bays in the northern part of Iceland (Eyjafjörður and Skjálfandi Bay) to monitor the relative abundance of the small species of cetaceans (such as dolphins and porpoises). The project is planned to run from May 2017 until April 2020.

The applicant should have a degree in biology, a natural science subject or a relevant field and have experience with passive acoustics and use of data loggers such as C-PODs. The application should be sent to Marianne Rasmussen (mhr@hi.is). The deadline is 1st of February 2017.