

Marine biology, Antarctic waters, harmful algae, global change

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Possibilities: Master projects, bachelor projects, projects out of course scope.



Figure 1. Phytoplankton from Antarctica. CC BY-SA Anna J. Olesen

ocean and the Antarctic regions remains largely unexplored, despite it being the fundament for all life in the region. As the Antarctic area has almost no terrestrial primary production, all life in the area relies on marine production – i.e. on the marine phytoplankton.

After a successful field trip to Antarctic waters, we have returned with material for a broad diversity of projects involving a wide range of methods. **If you have interest in marine**



Figure Fejl! Ingen tekst med den anførte typografi i dokumentet.2. Sampling water in Antarctica. Photo Credit: Albatros/Werner Kruse

The Southern Ocean is one of the most productive marine ecosystems in the world and is serving as feeding grounds for a multitude of seabirds and marine mammals. Especially the humpback whale (*Megaptera novaeangliae*) and the southern right whale (*Eubalena australis*) depend on the Antarctic region to feed on krill before embarking on long fasting periods while calving at lower latitudes (D'Agostino et al. 2017, Riekkola et al. 2018)

While phytoplankton from many other geographic areas are under regular surveillance and harmful algae are an active and productive research field, the Southern

biology, eDNA, marine microbiology, toxins from algae, phylogeny or other aspects related to the polar marine area, please don't hesitate to contact us and together we'll develop a project suitable for your interests and project possibilities.

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References

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Riekkola, L.; Zerbini, A.N.; Andrews, O.; Andrews-Goff, V.; Baker, C.S.; Chandler, D.; Childerhouse, S.; Clapham, P.; Dodémont, R.; Donnelly, D.; et al. Application of a multi-disciplinary approach to reveal population structure and Southern Ocean feeding grounds of humpback whales. *Ecol. Indic.* 2018, 89, 455–465.