

Part B: DETAIL

1. Name of research ship:

RV Pelagia

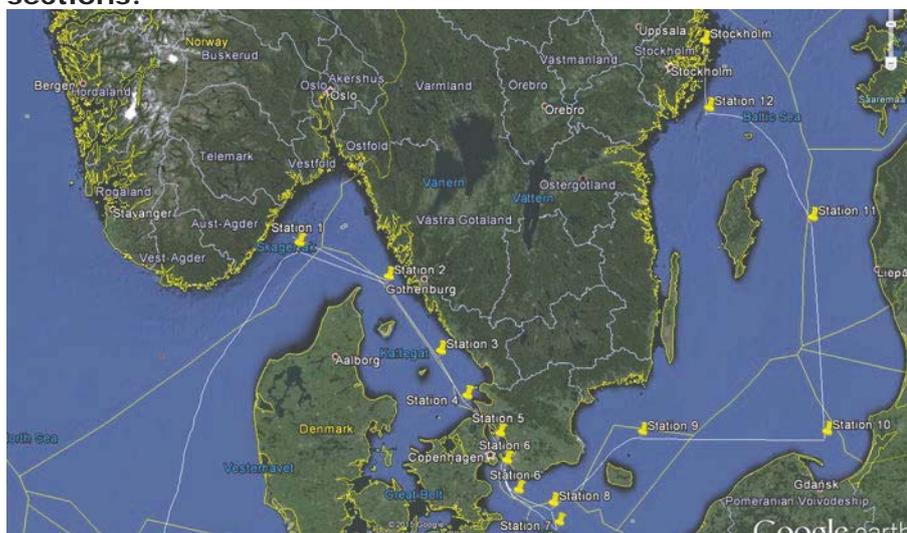
2. Cruise dates:

16/05/2016-28/05/2016

3. Purpose of research and general operational methods:

This research cruise is part of the Dutch governmental funded NESSC and SIAM programs. Whereas NESSC aims at merging information from the past using climate proxies with data and models for the modern climate to arrive at a better understanding and a more quantitative framework for Earth System functioning in the future, SIAM has a microbiological focus and aims at studying biomass for a sustainable future. Samples from the water column, physical and chemical properties and the chemistry the stable isotopic composition of organic biomarkers will be compared. Short incubations will be setup to identify and quantify microbial activities. Short multi cores (+/- 40 cm) will be collected to investigate the benthic top layer and investigate pore water profiles.

4. Attach chart showing (on an appropriate scale) the geographical area of the intended work, positions of intended stations/hydrographic sections:



<i>Station</i>	<i>Coordinates (lat/long)</i>	<i>Water Depth (m)</i>	<i>Marine equipment used</i>
1	58°15'30.47"N 9°30'19.05"E	688	Permanent surface water sampling CTD/Rosette sampler