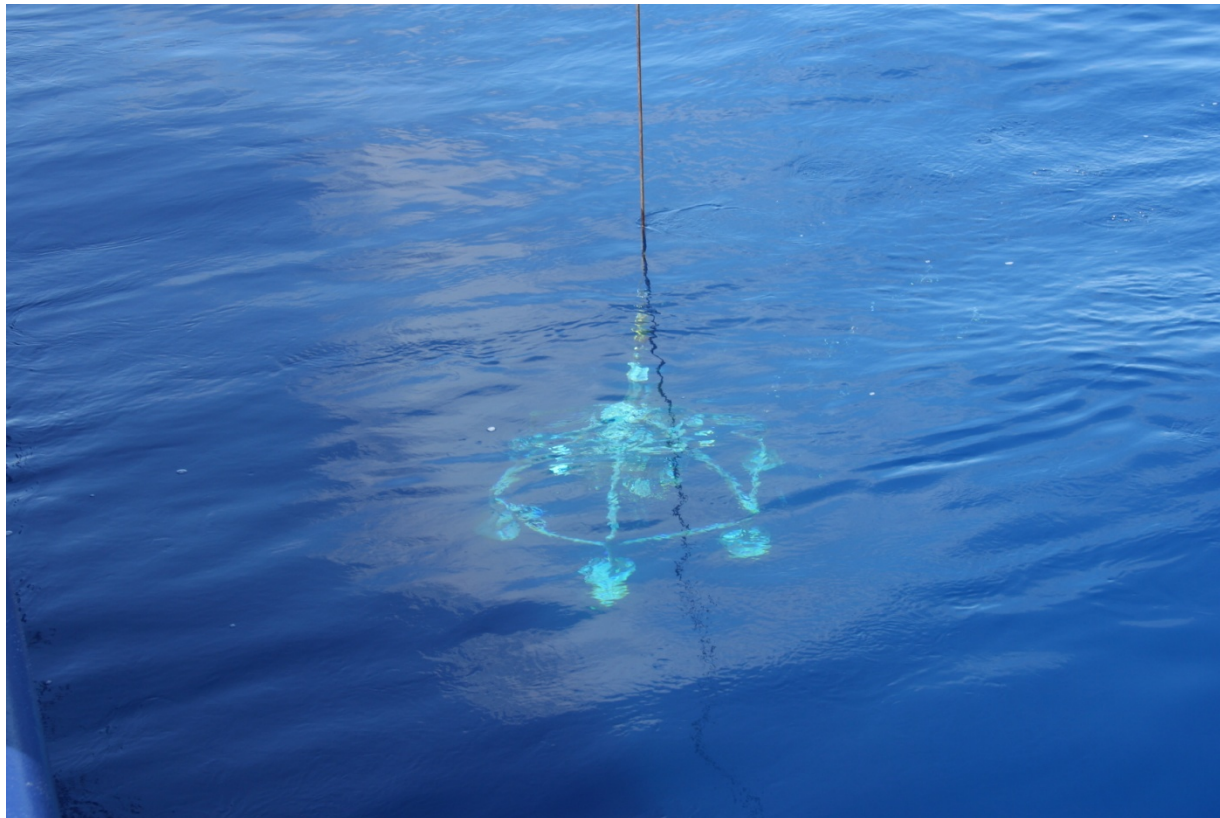




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# Sven Lovén Centre for Marine Sciences University of Gothenburg



[www.loven.gu.se](http://www.loven.gu.se)



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**37 000 students**

**5 300 staff**

**Eight faculties**



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## Research stations at the Swedish West coast

Tjärnö

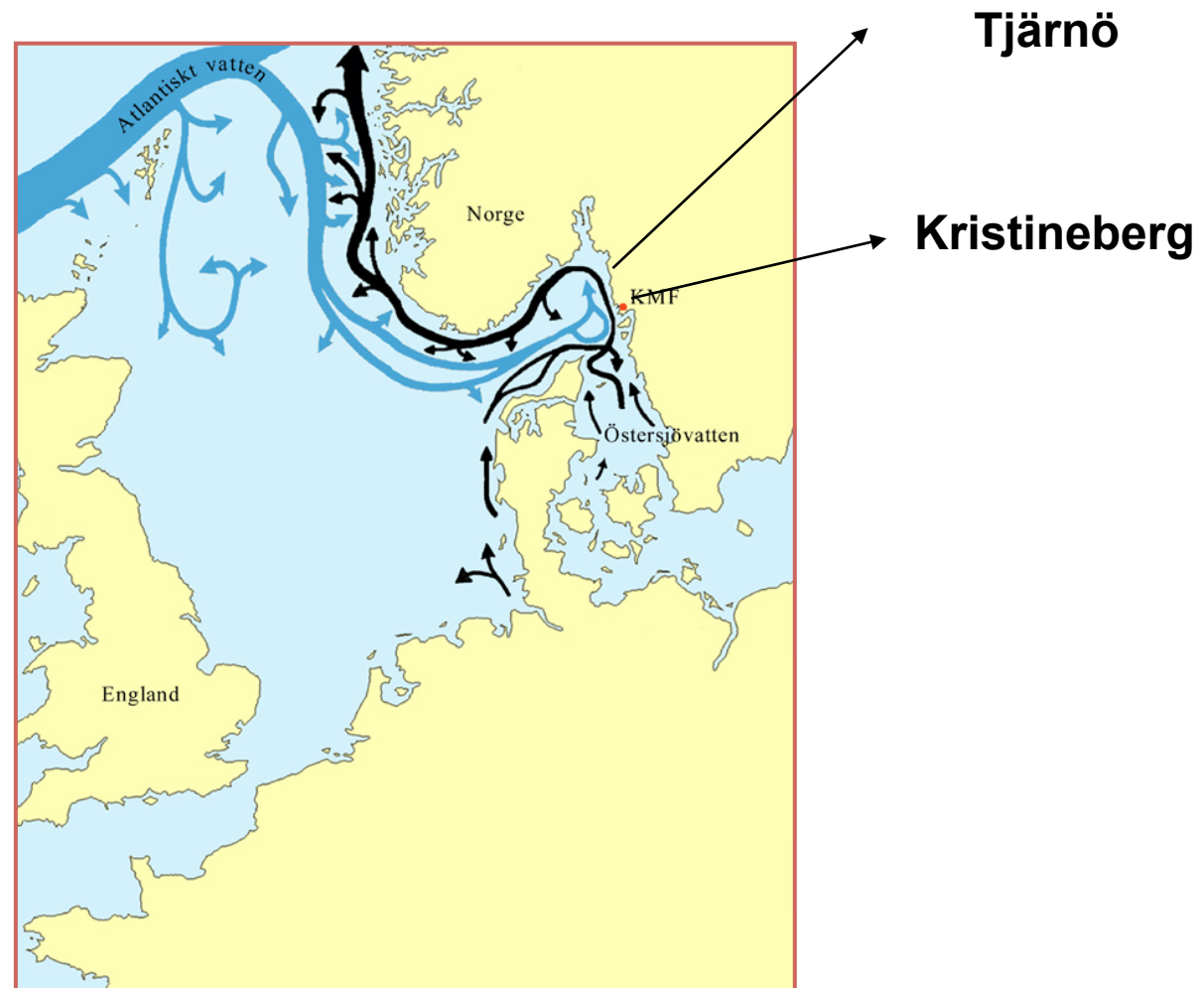


Kristineberg





## The coastal seas of Sweden

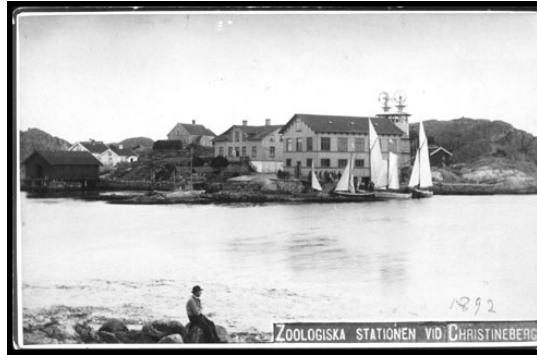




# Kristineberg



1880

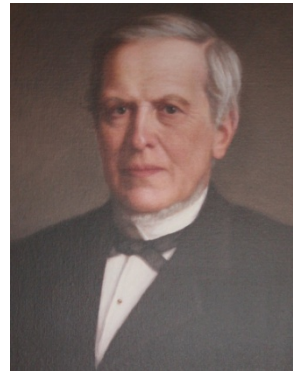


1890



1900

*Sven Lovén*



ca 1905

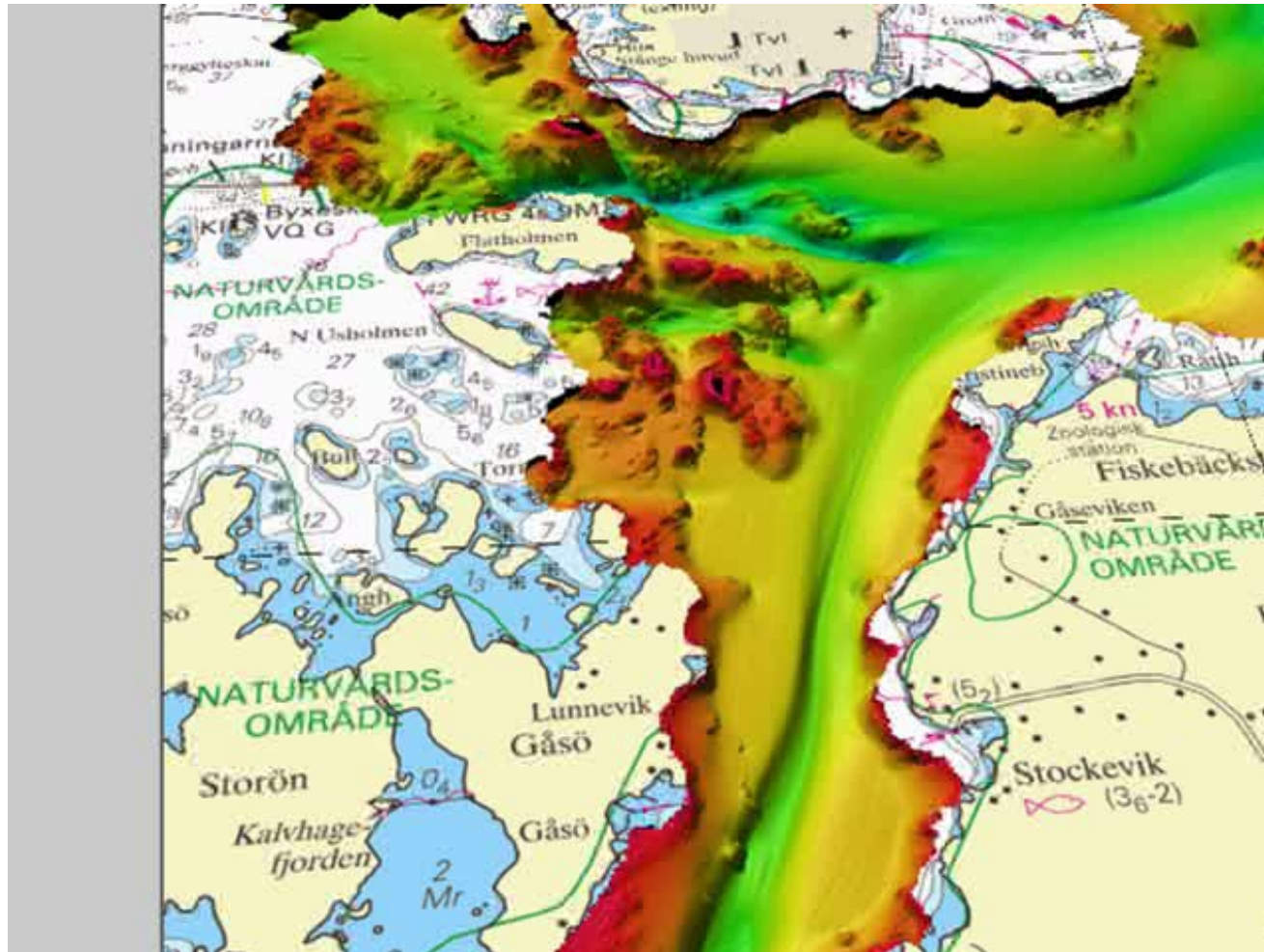


Today





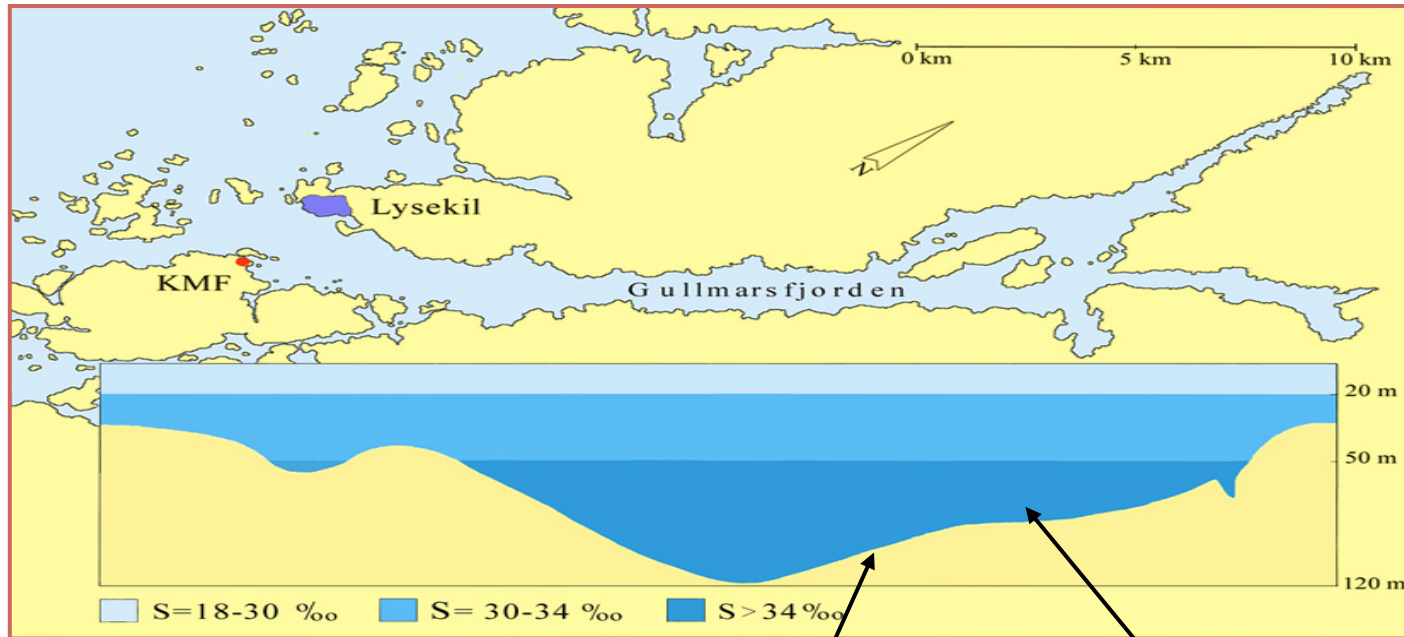
## Bottom topography Gullmar fiord



Courtesy MMTAB

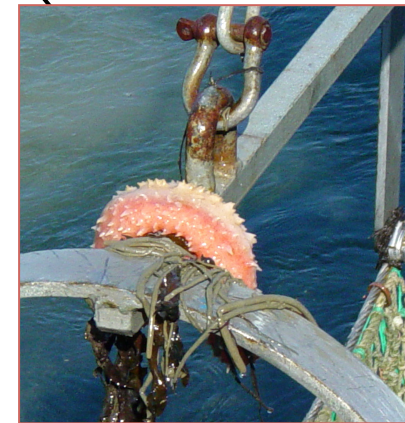


## Gullmar fiord



*Stichopus tremulus*  
1000-2000 m in  
Northern Atlantic

80 m i Gullmar fjord





### GULLMARN

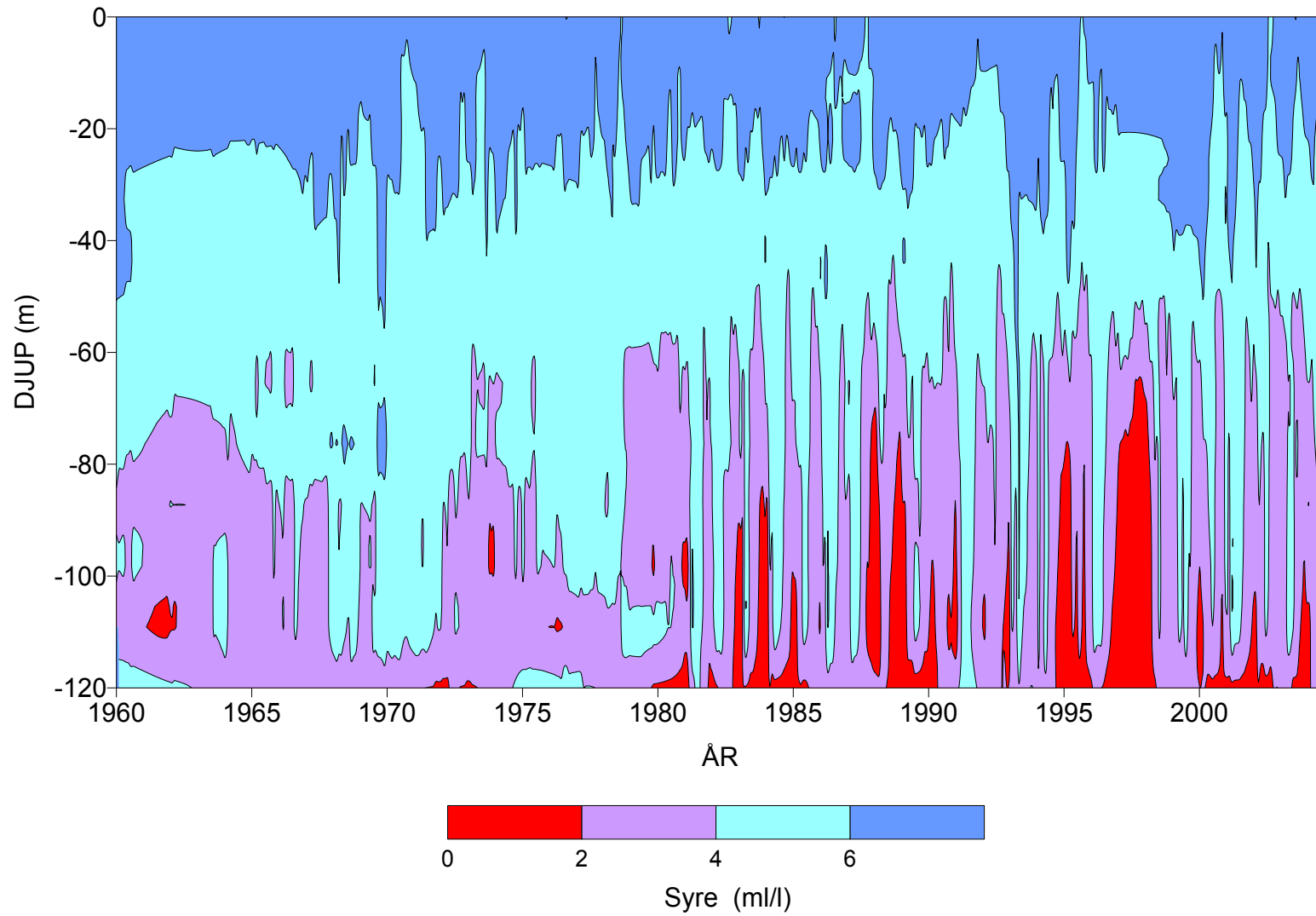






Foto: Tony Holm

Liten piprensare (*Virgularia mirabilis*)



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- 1963 - founded as facility for students
- 1980 - station for science and education all year around

## Tjärnö



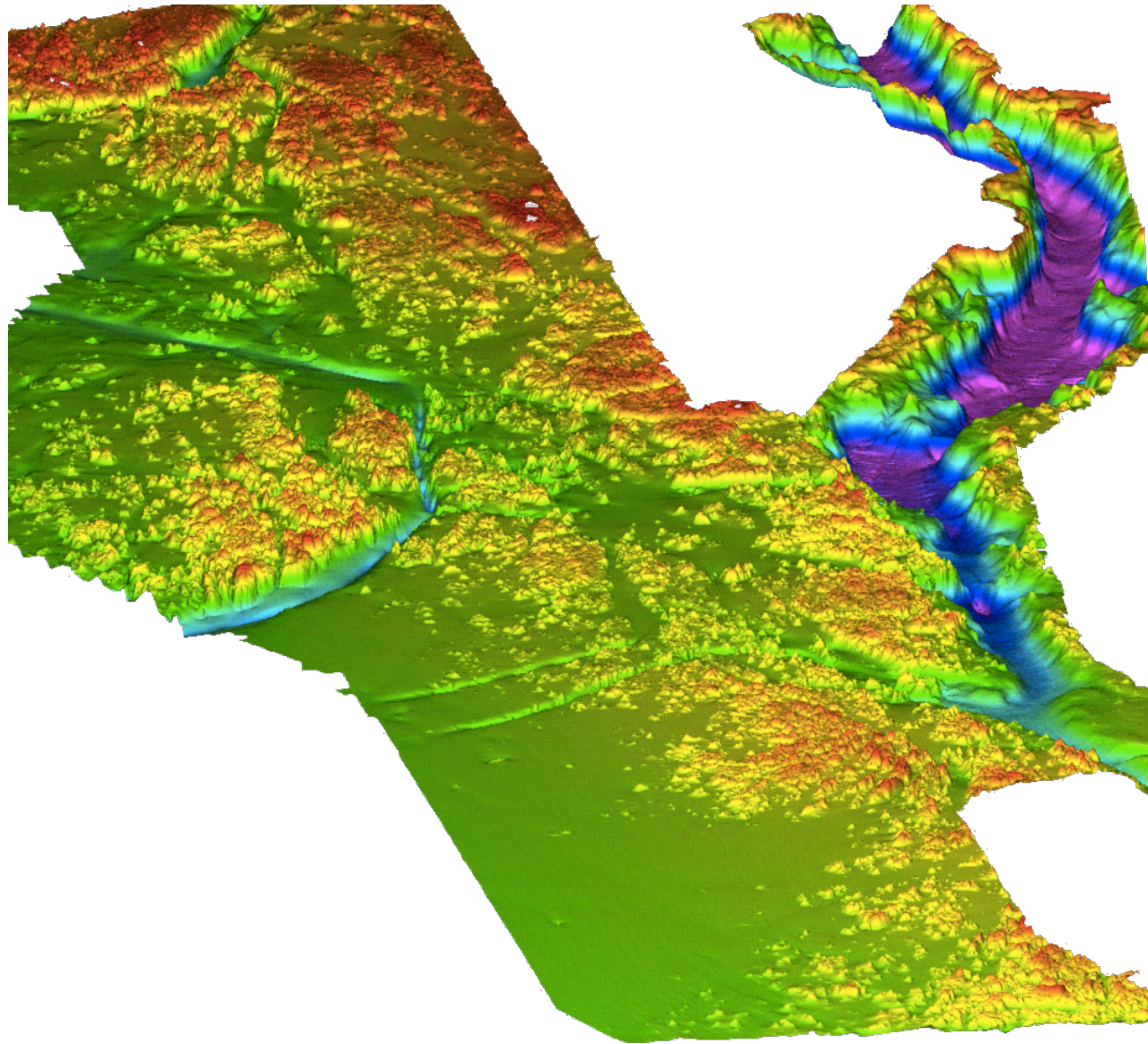
The Koster nationalpark  
with marine focus



**Lars Afzelius**



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Courtesy MMTAB

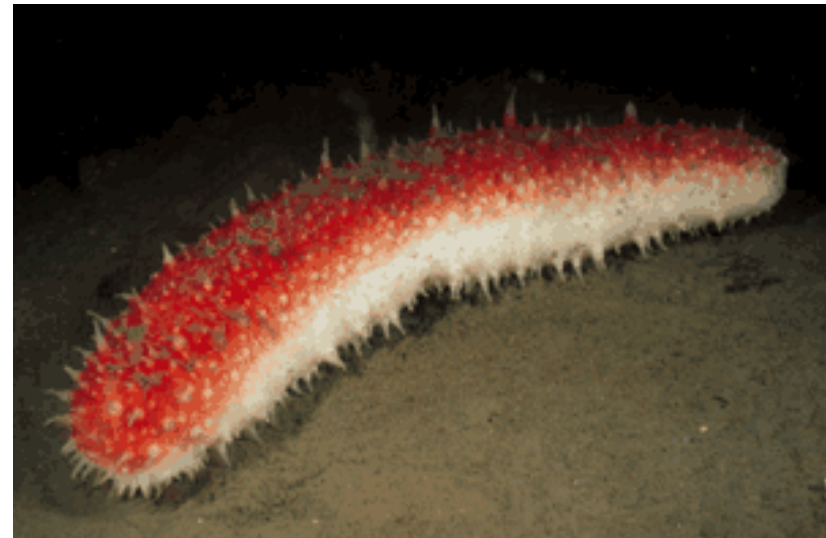
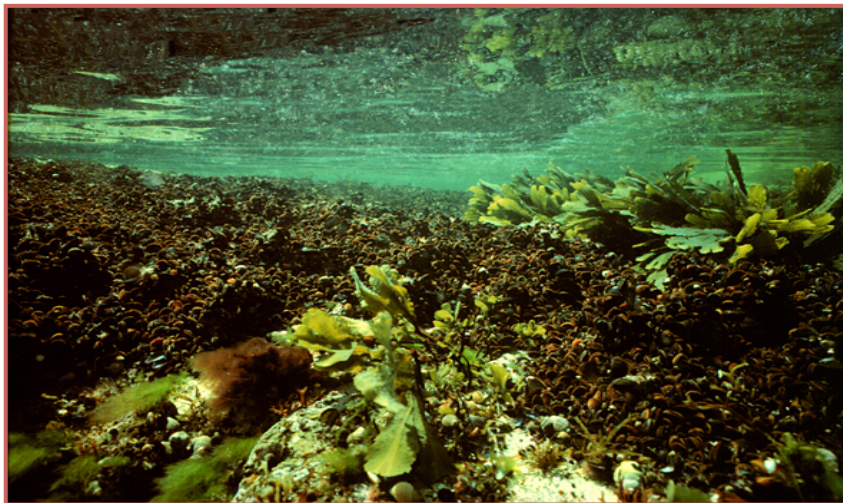


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## Diverse marine ecosystems





## **Specific facilities**

### **Manipulation of sea water**

**Sea water inlet; 50 m and surface water**

**ocean acidification**

**temperature controlled room**

**cultivation of marine organisms**

**confocal fluorescence microscope**

**Remotely operated vehicles**



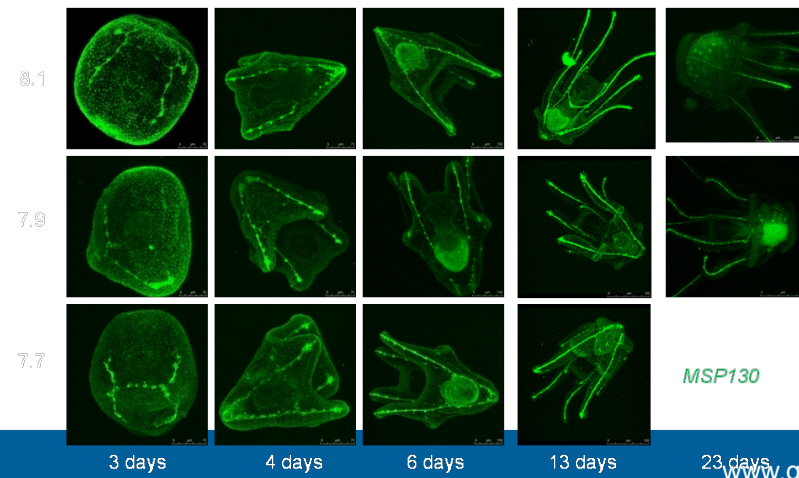
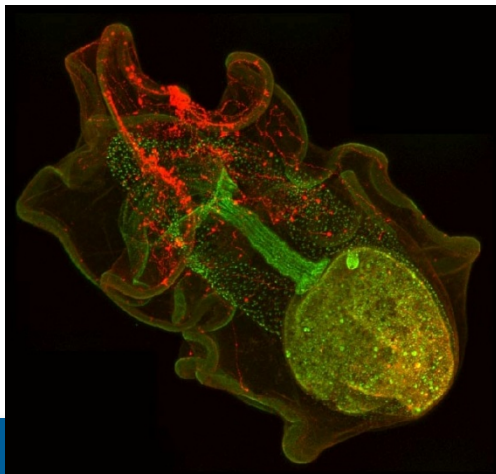
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## Ecotrones - mesocosms





## Confocal Scanning Laser Microscope







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Ocean Acidification and Culture Facilities: Lovén Centre-Kristineberg



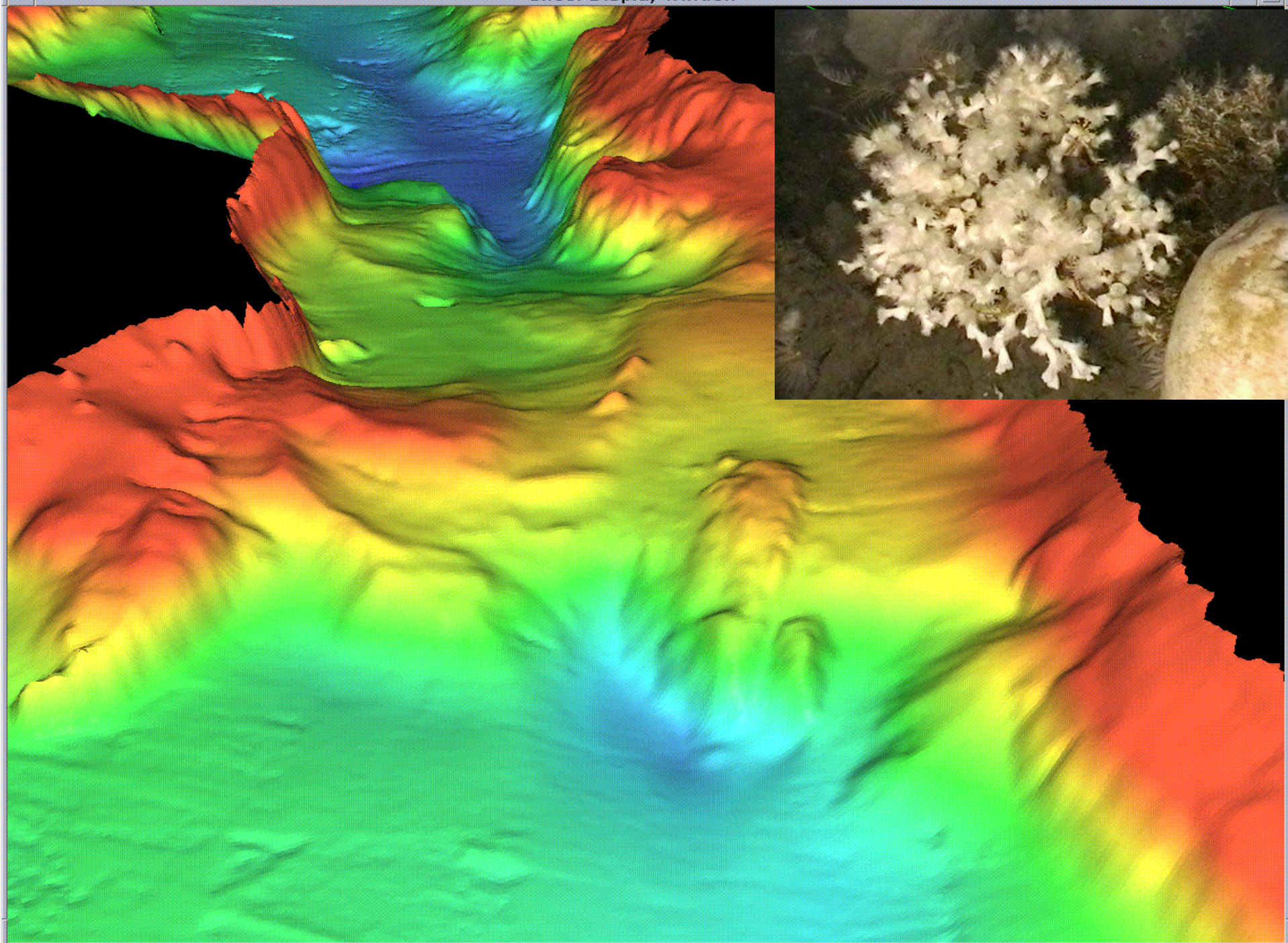


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## Remotely operated vehicles



Cfloor Display Window





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# Research fleet





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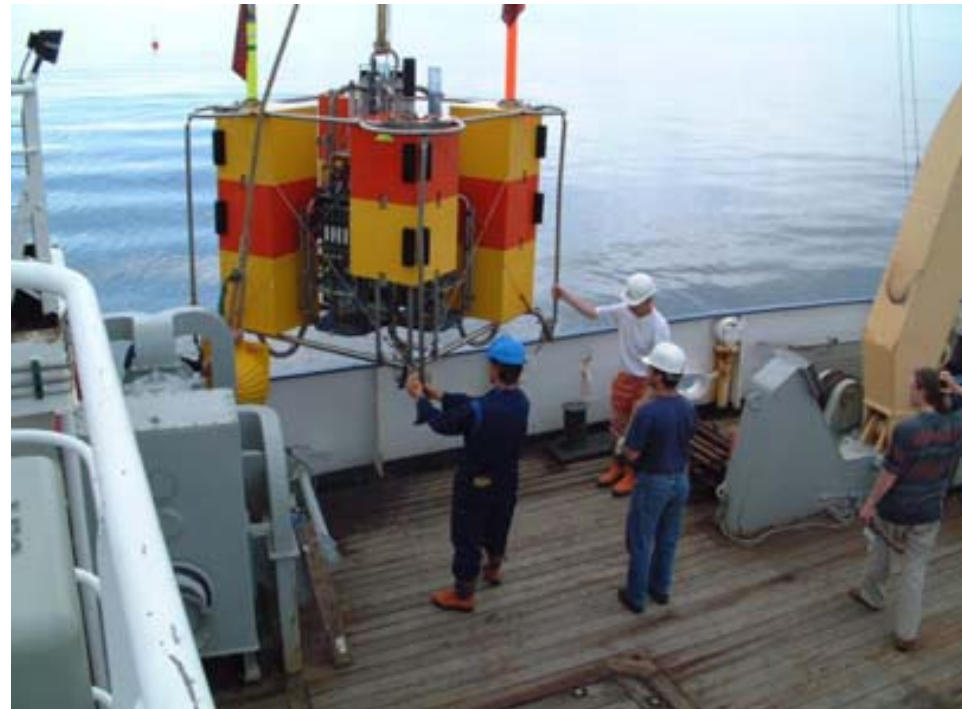




## Equipment



Wet lab  
Chem lab  
Microbiology lab





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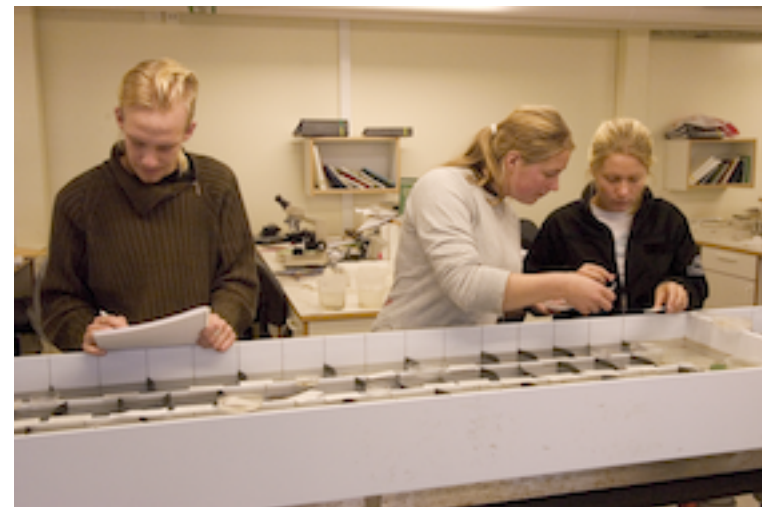
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## Courses, undergraduate, masters graduate





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# Interaction with society

**School activities**

**Aquarium**

**Conferences/workshops**





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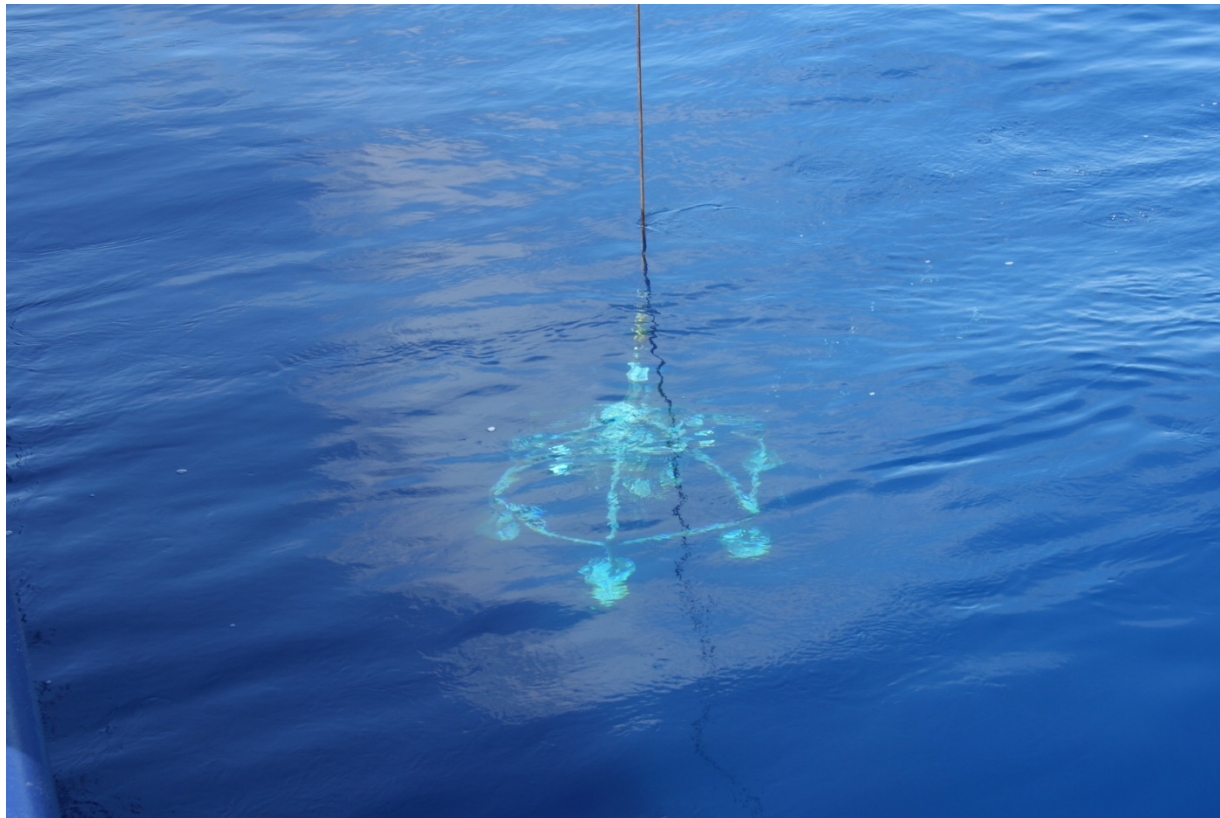
## Some statistics:

Yearly turnover:	67 MSEK (609.700 EURO)
Science days/y	22000
internat.	2000
Student days/y	6000
Skagerak days/y	140
Scientific publications 2008-2010	>85



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