



Royal Netherlands Institute for Sea Research

The National Oceanography Centre of the Netherlands

since 1876

Herman Ridderinkhof
Deputy director

NIOZ is part of the Netherlands Organisation for Scientific Research





Our Location



1. Introduction

2. Mission

3. Organisation



Our Mission



The **mission** of NIOZ is to gain and communicate scientific knowledge on coastal seas and oceans for the understanding and sustainability of our planet. The institute also facilitates and supports marine research and education in the Netherlands and in Europe.





Our Main Tasks

- **Research**
'how does it (the sea) work?'
- **Education**
- **Facilities**

'Pelagia'



'Navicula'



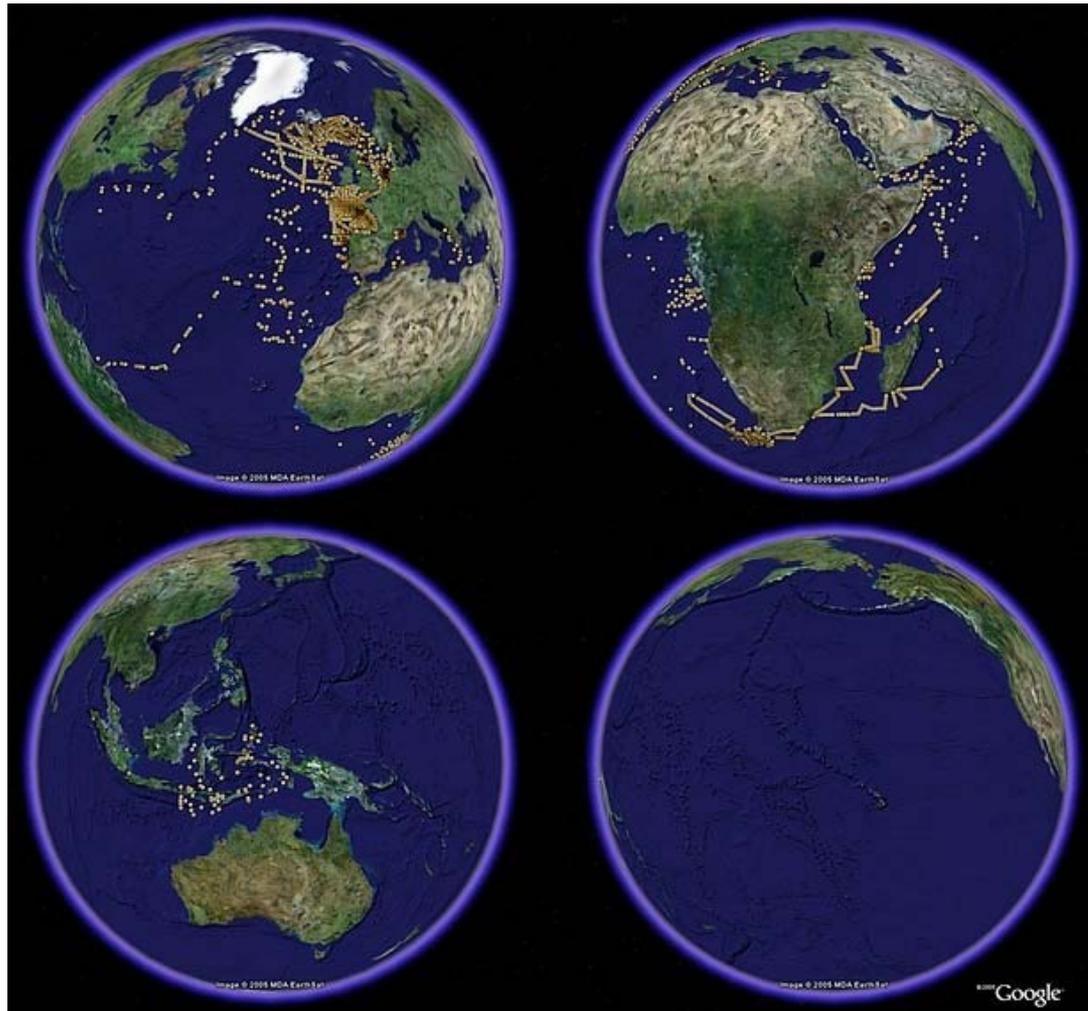
'Stern' (Tern)



Flatboat 't Horntje'



Where are we active ?





Our formation & budget (1-1-'08)



Permanent Staff:

Academics, Laboratory Technicians, Workshop Technicians,
Ship Crew and others:

140

Temporary Staff:

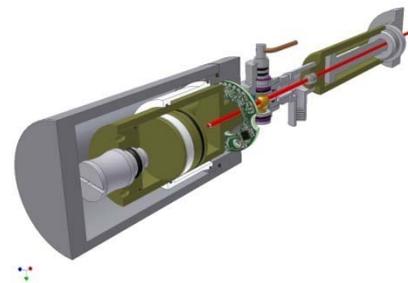
55

Students:

35

Total: 230

Annual Budget: €20 Million/ year





Marine equipment: combination of 'off the shelf + specials (home built)



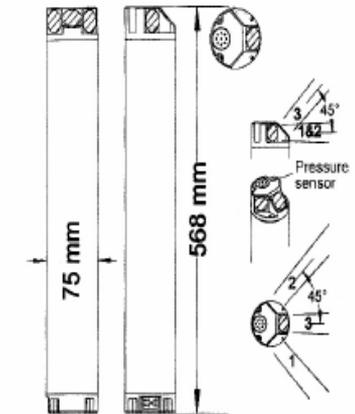
Living animals to test responses



fluorescence-turbidity



salinity temperature

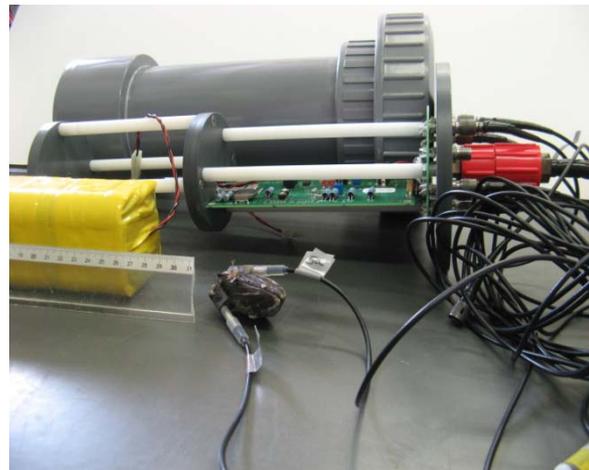


Currents



Instruments for very specific purposes

Mussel monitor





Why is OFEG so important for NIOZ?

Exchange of

- shiptime
- (expensive) facilities
- knowledge

Proof that we do not operate 'in isolation on an island'



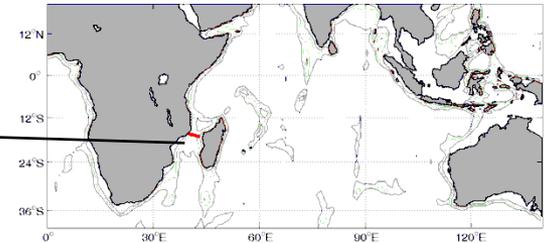
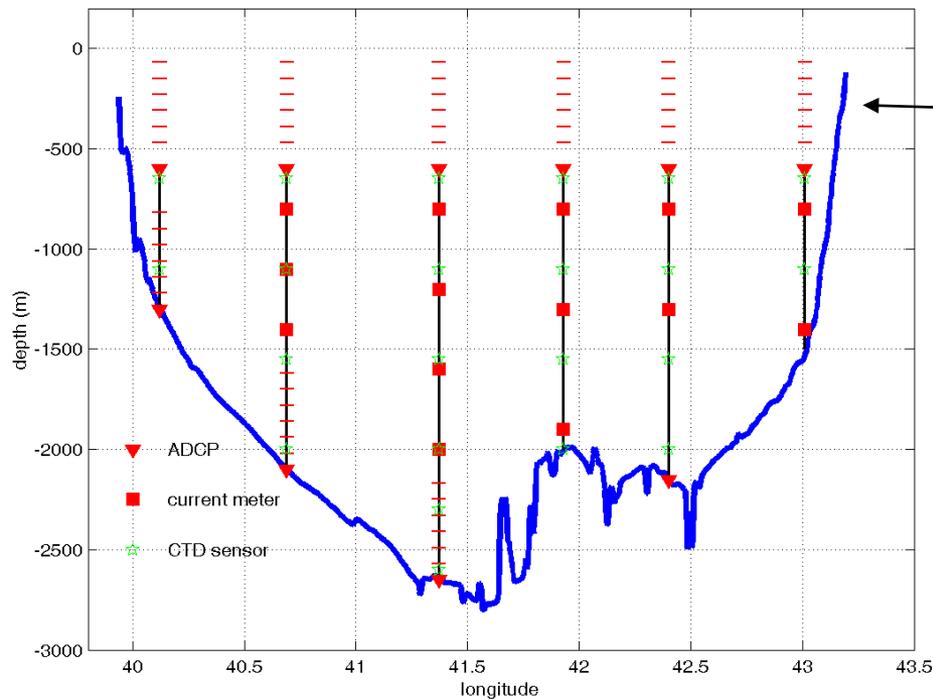
Role of the oceans in climate variability: variability in ocean currents



Long term observations with deep sea moorings;
part of international global program OceanSITES



Role of the oceans in climate variability: variability in ocean currents



Long term (2003-2010) current
meter moorings in the Mozambique
Channel