

# The future EAF Nansen Programme

A new science and management programme to help developing countries meet the challenges of a changing marine environment

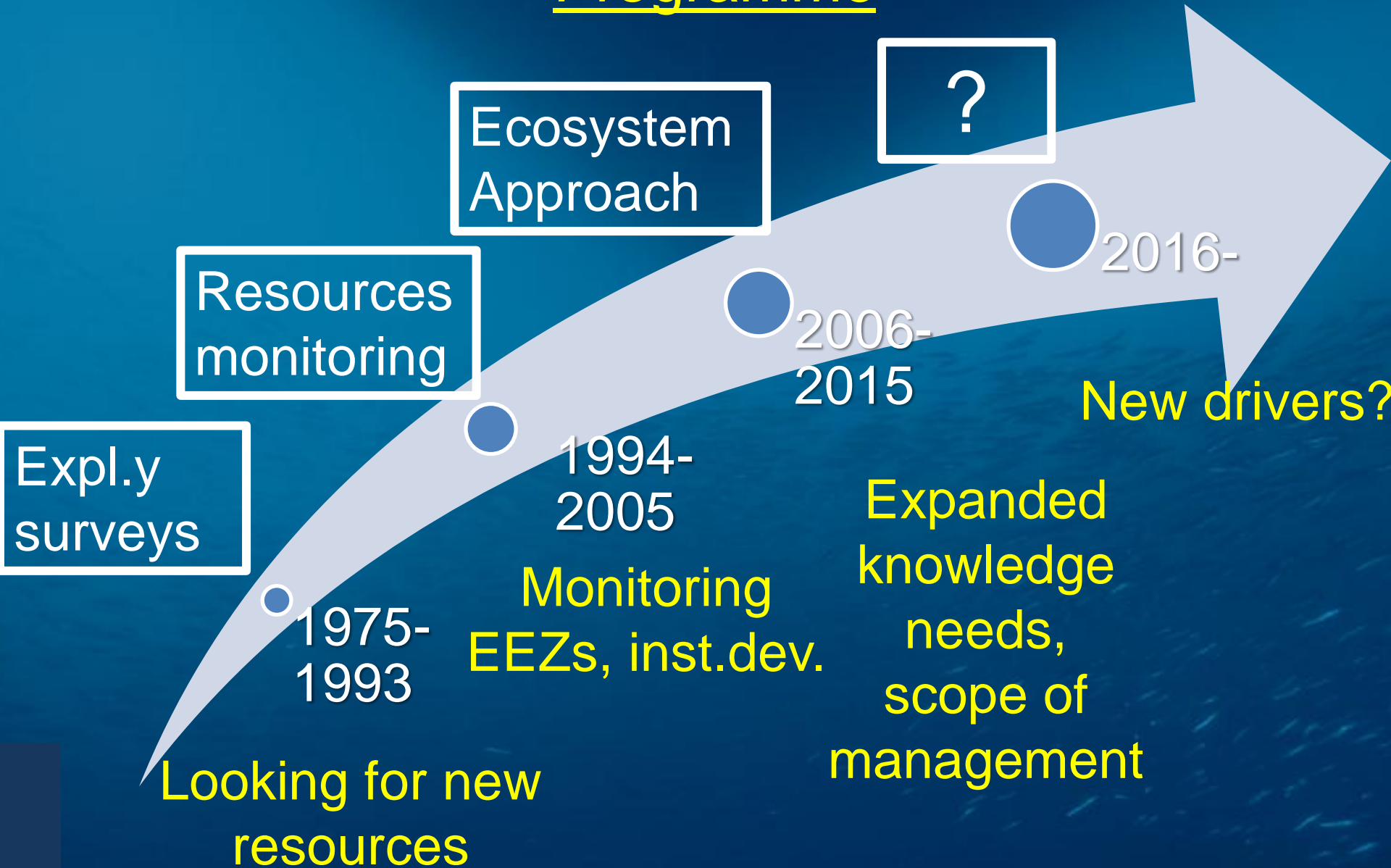
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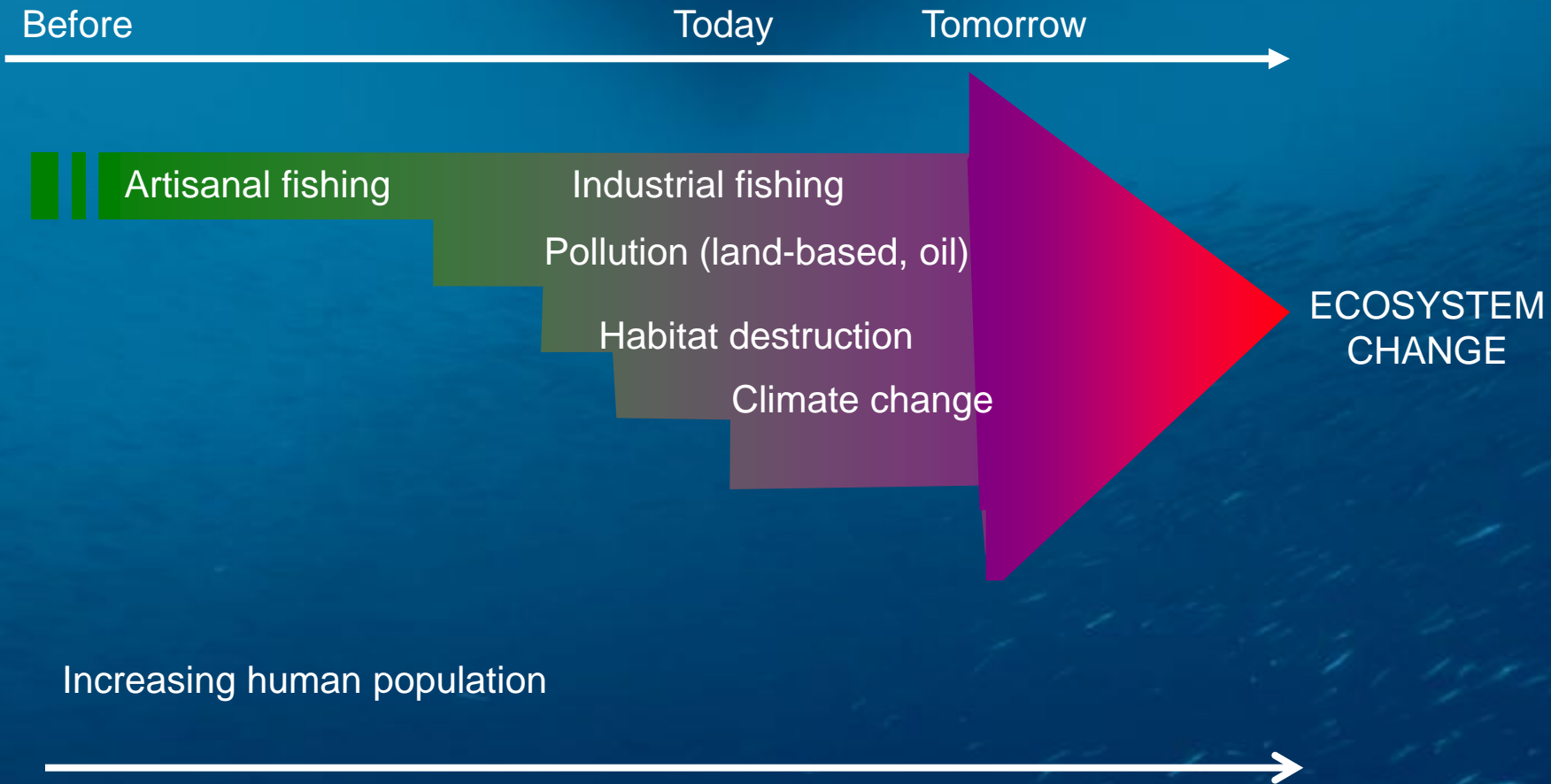
# Overview

- Evolving drivers and demands
- Present and future drivers
- How can the EAF Nansen and a new vessel help? Elements of a new programme
- The way ahead

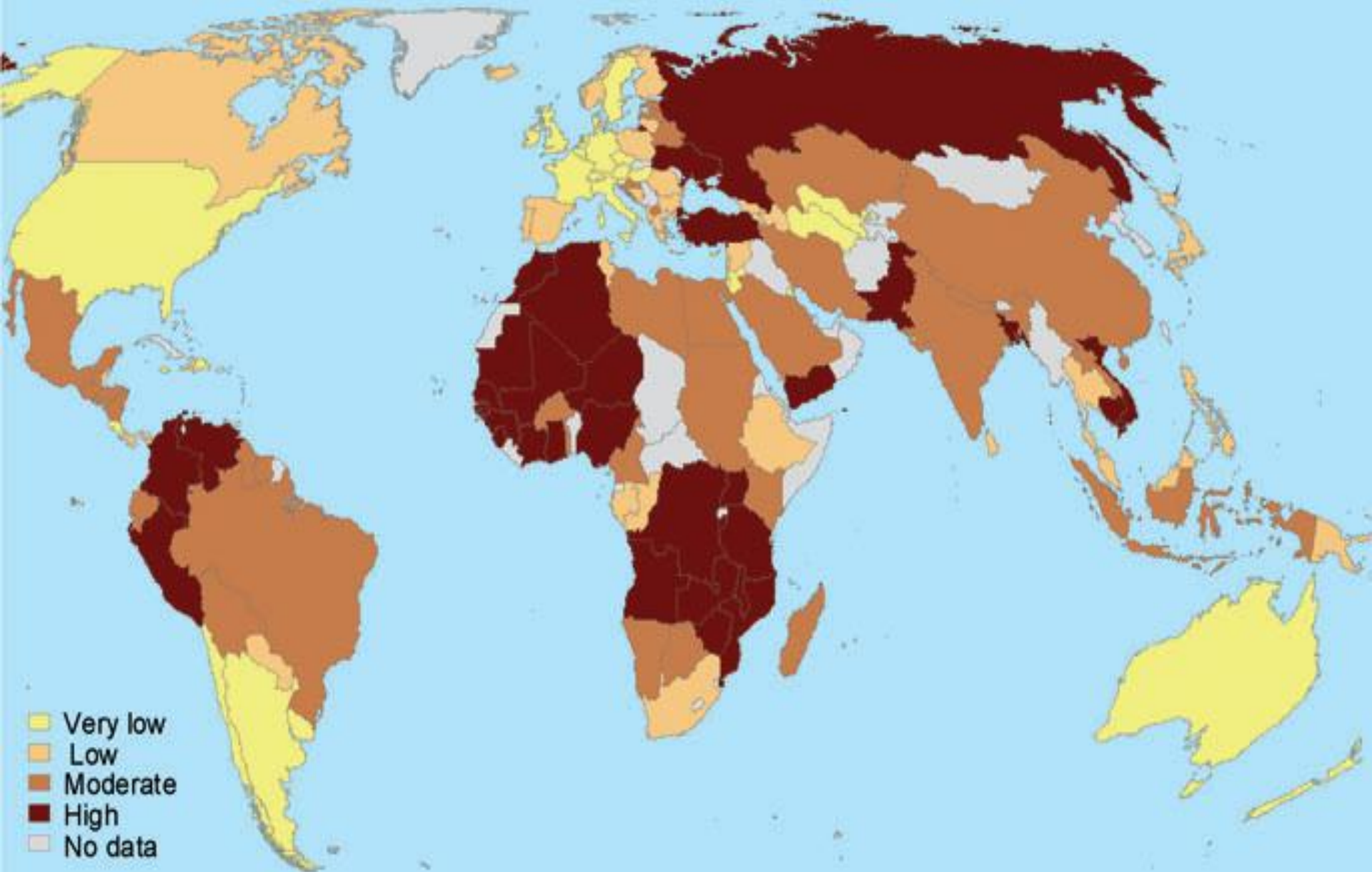
# Evolving drivers and demands/evolving Programme



# Drivers: Multiple and increasing pressures



# Drivers: reduce vulnerability of national economies of potential climate change impacts on fisheries



# Drivers: International awareness and international OCEAN agenda

- **Oceans and Rio+20 declaration**
- **UN Oceans Compact (Ban Ki-moon, Aug 2012)**

**INCREASED EFFORTS FOR IMPROVED OCEAN GOVERNANCE, SCIENCE- BASED KNOWLEDGE AND CAPACITY BUILDING FOR A SUSTAINABLE USE OF OCEAN RESOURCES**

How can the EAF Nansen, and a new research vessel, help addressing these challenges/  
global agenda?



# New Programme Goals (Paris, September 2012)

- *Provide knowledge on impacts of multiple stressors on marine ecosystems and biodiversity in tropical/subtropical regions;*
- *Support developing countries to be better prepared addressing the impacts of multiple stressors on marine ecosystems.*



# Potential stakeholders/beneficiaries and partners



## National

- Fisheries and environmental institutions in developing countries

## Regional

- Regional programmes (IOC subcommissions, Regional Seas Programme, LMEs, RFBs/RFMOs,

## Global

- UN agencies, INGOs

# Main thematic pillars of a new Programme



In collaboration with national and international partners

## Sustainable fisheries

- Resources
- Ecosystem structure and functioning, including human aspects
- Habitats biodiversity (EBSAs/VM Es)
- Fisheries management

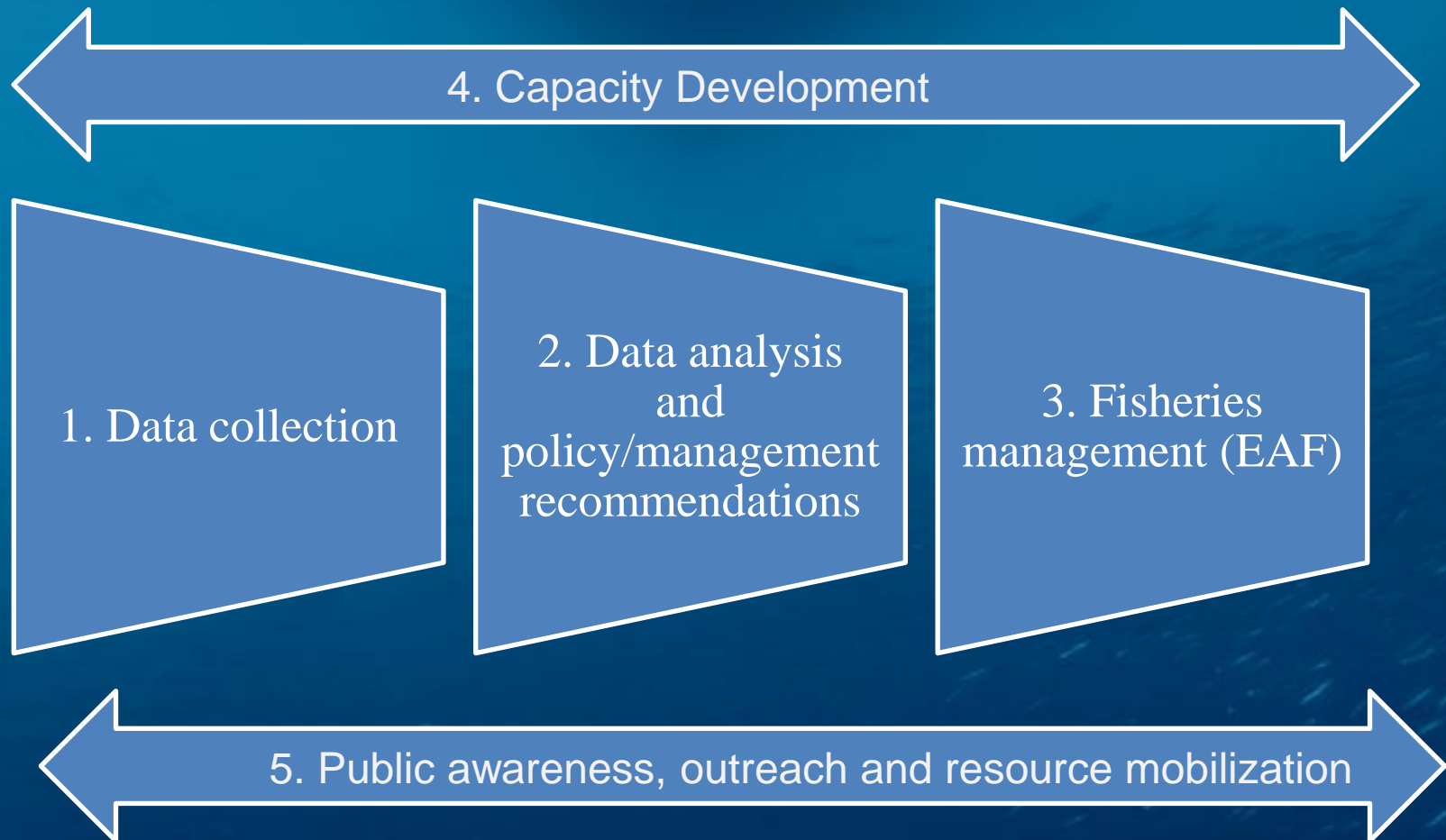
## Climate change

- Establishing baselines
- Biophysical processes
- Assessing local potential impacts
- Developing adaptation to climate change
- Ocean acidification

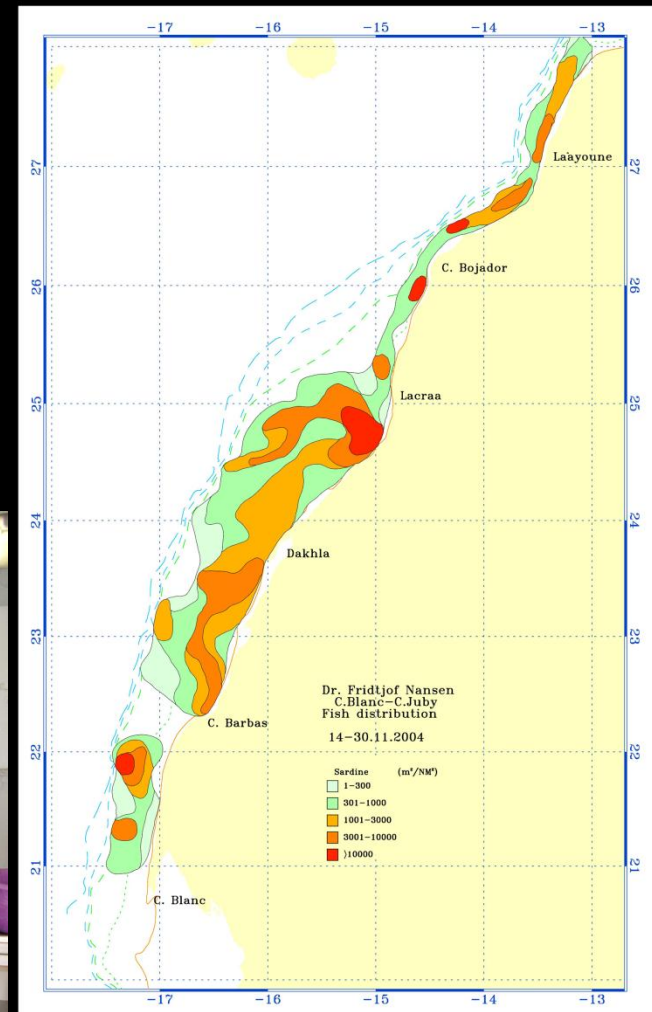
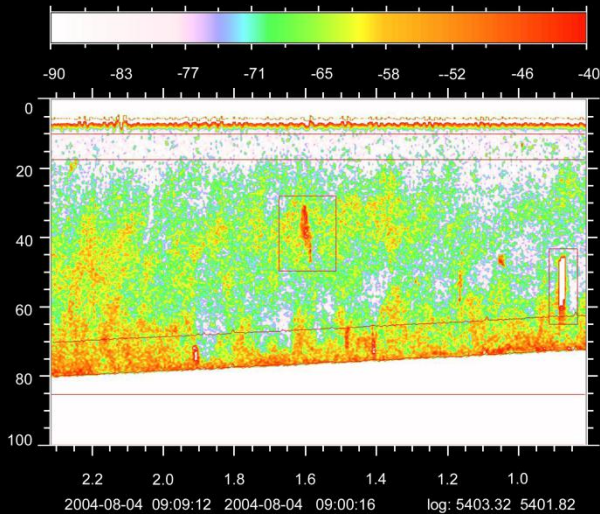
## Pollution/oil/mining

- Monitoring and baseline studies
- Benthos, bottom habitat studies
- Pollution from land-based activities (contaminants, litter)

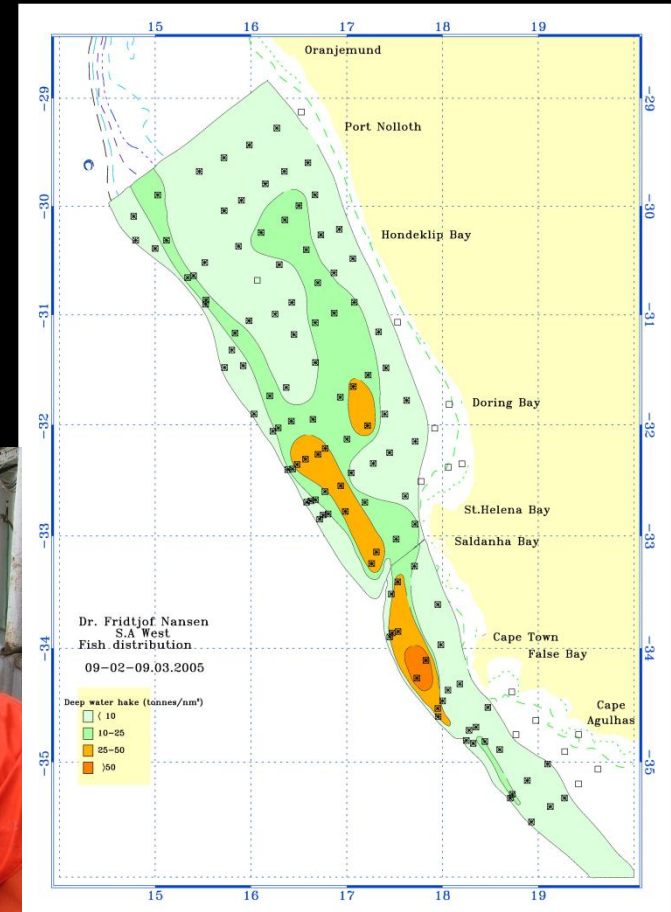
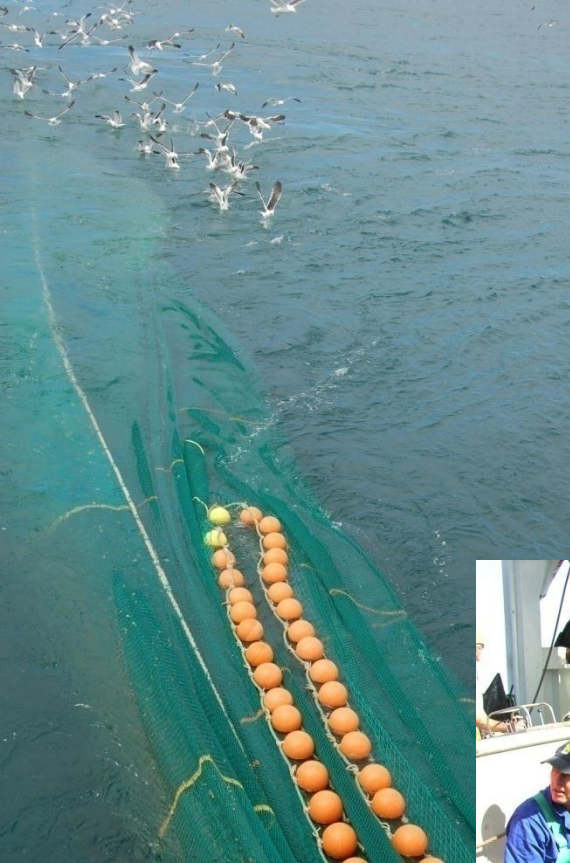
# Main Programme components



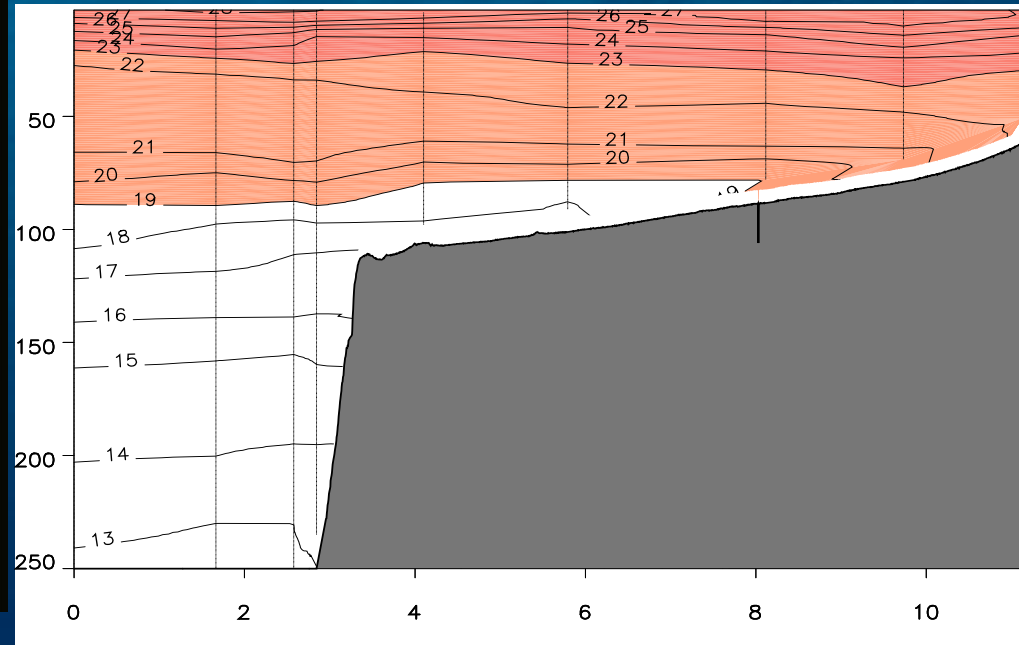
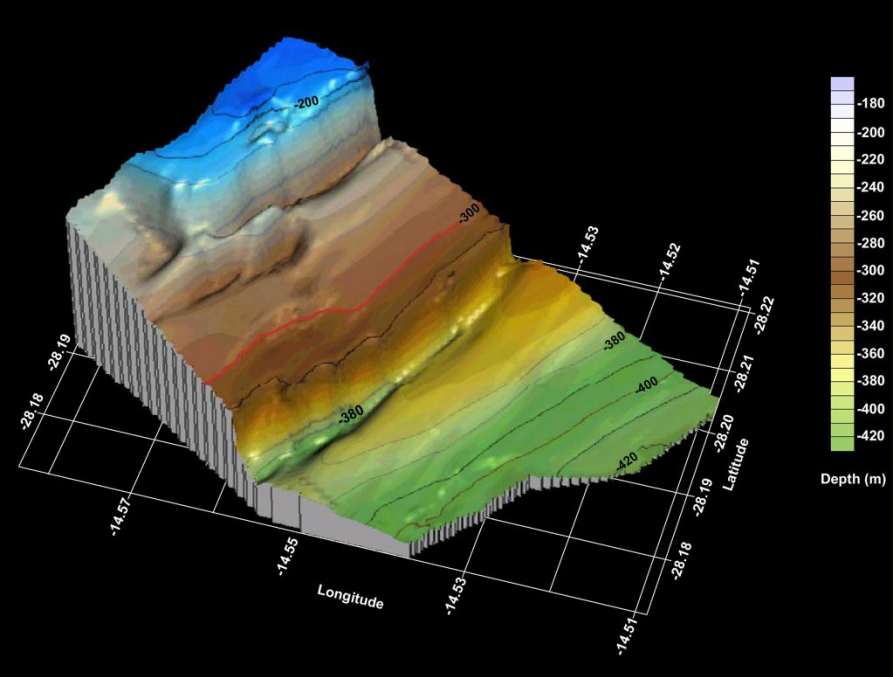
# Assessing pelagic fish resources by acoustic methods



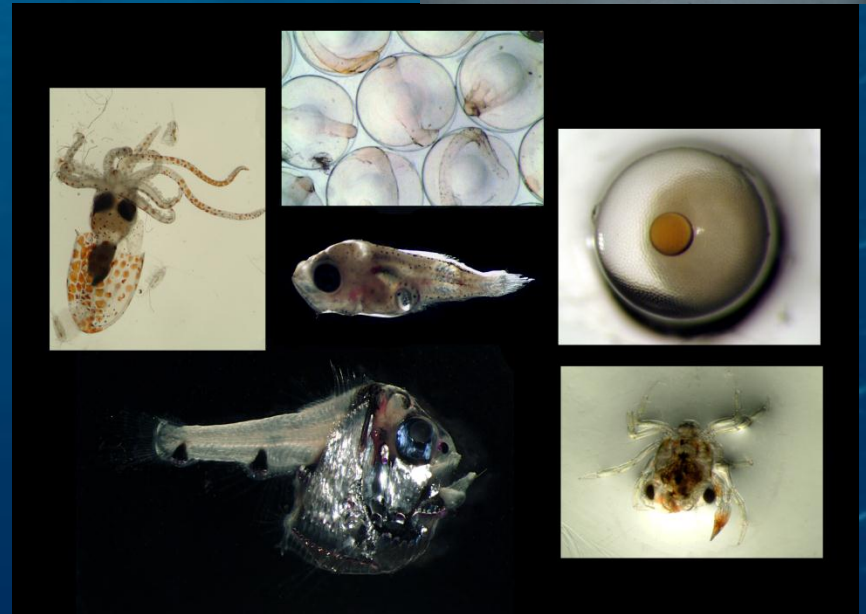
# Assessing demersal fish resources by statistical sampling with bottom trawl



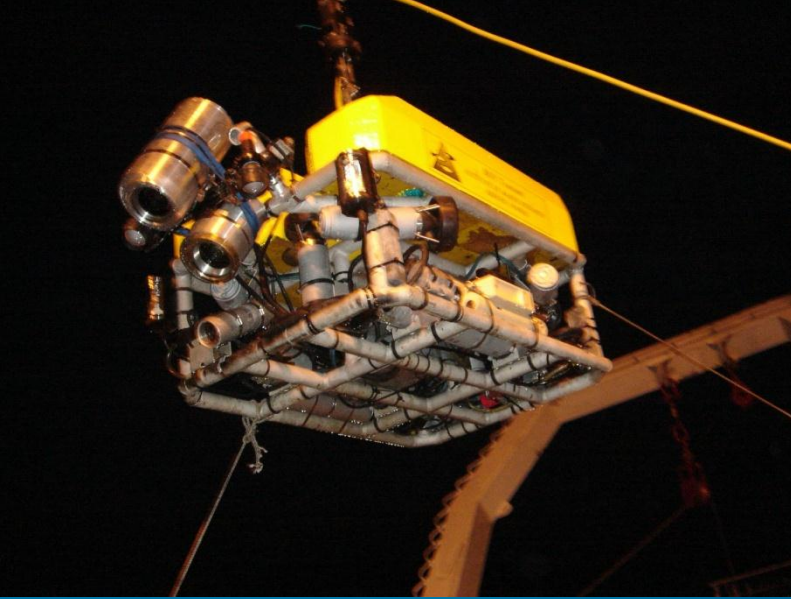
# Monitoring the marine environment



# Plankton and benthos mapping



# Visual methods for habitat studies





# Studies on oil/ecosystem interactions





# On the job training



# Tentative roadmap for Programme development



# Developing an international partnership (2013-2015)

- Setting up a multiagency task force
- Develop a joint science/development programme, with respective partners contributions
- Planning/carrying out demonstration surveys (initiating monitoring programmes)
- Identify interested donors/ donor programs



# Thank You



# Vulnerability of fishing communities to CC

