A INSTITUTE OF MARINE RESEARCH



Needs for Capacity Building in Marine Science and Sustainsble Fisheries Management

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UN/ICP/Oceans& Law of the Sea; N.Y. 21-5/06/10





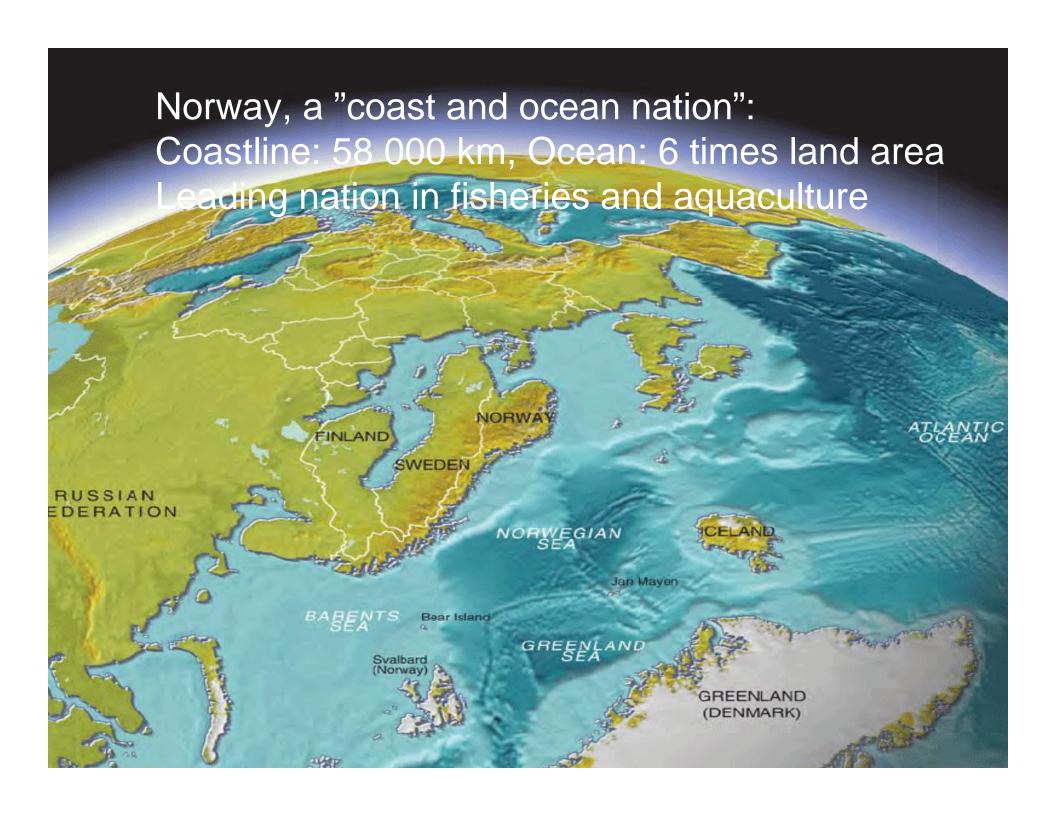
Sustainable Fisheries Management rests on 4 Pillars:

- Science knowledge for management advice
- Fisheries Laws and Regulations
- Control of fishing activities
- Sanctions for violations

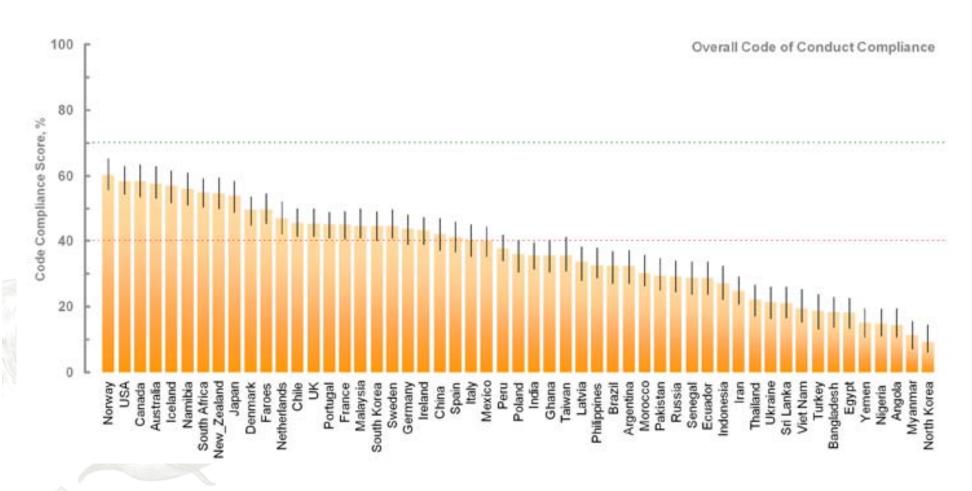
(A simple recipee, but the cake is difficult to make)







"Nature" (Feb-09): Compliance with the FAO Code of Conduct



SUSTAINABLE FISHERIES

- Norway: world leading in fisheries and fisheries management.
- But: WE HAVE LEARNED IT THE HARD WAY FROM SERIOUS MISTAKES WITH OVERFISHING AND STOCK DEPLETION IN THE 1960-70ies.

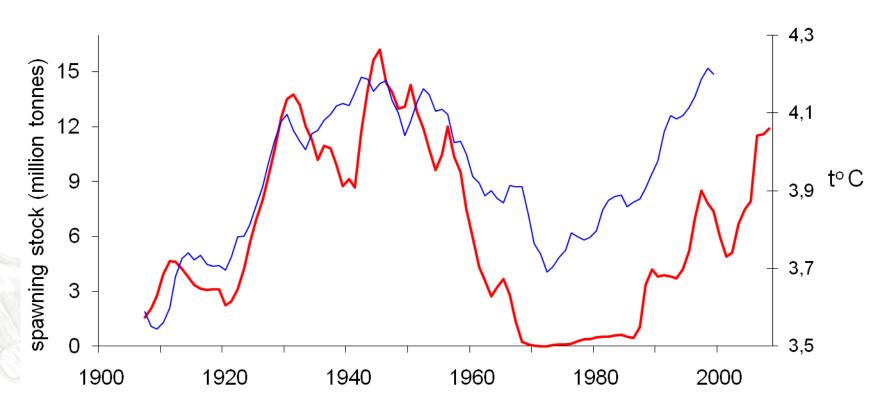


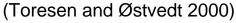






Depletion of the largest fish stock in the N. Atlantic (NSS-Herring): an eye opener and point of departure for sustainable fisheries management









DEVELOPMENT COOPERATION IN FISHERIES

- Norway has since the early 1950-ies shared its experience in fisheries sector with developing countries – with success and failure,
- The most long lasting activity is the "Nansen program" for competence building in marine science





The Nansen Program

The original idea, conceived in the 1960s:

- A research vessel available for developing nations.
- Operated from Norway with Norwegian crew and core scientific staff
- In close cooperation with FAO, uncoupled from Norwegian fishery interests, flying the UN-flag
- First vessel left Norway in 1974





The new EAF-Nansen program:

Title: Strengthening the Knowledge Base for and Implementing an Ecosystem Approach to Marine Fisheries in Developing Countries

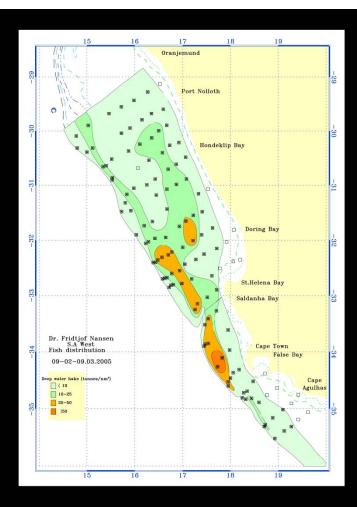
- Assessing fish resources by acoustic methods and trawl sampling
- Collecting environmental/ climate data (hydrography, pollution
- Mapping biodiversity
- Studies on oil/ecosystem interactions
- Capacity building/ On-the-job training

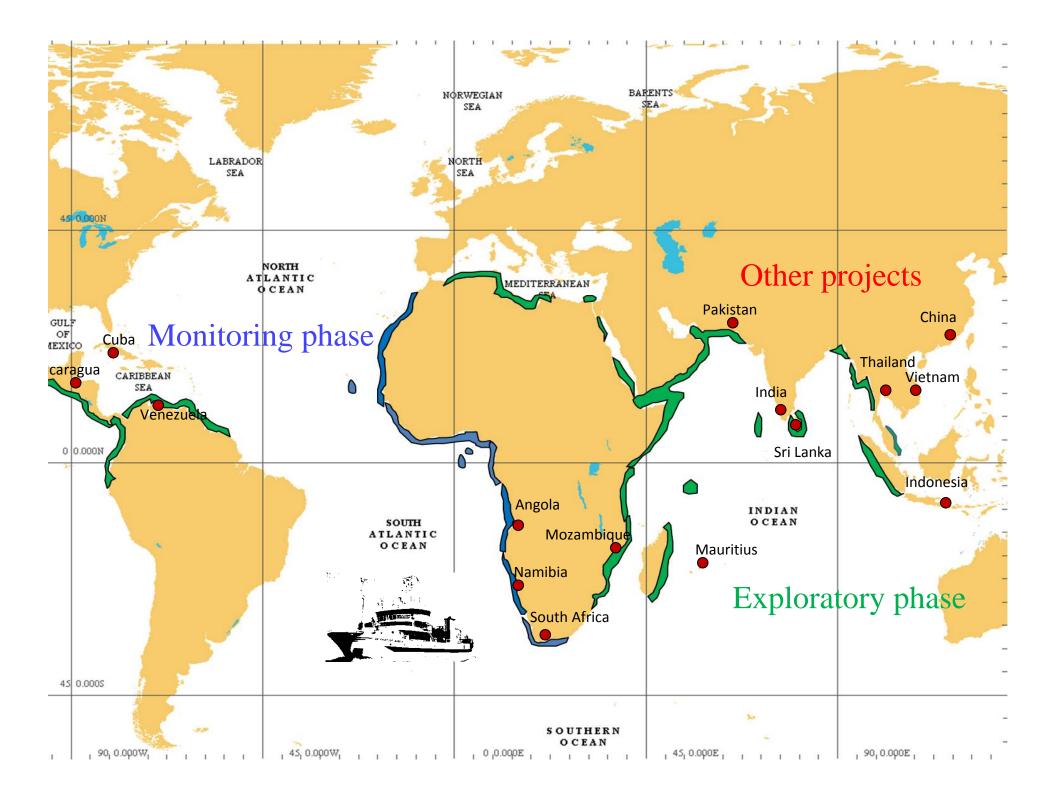


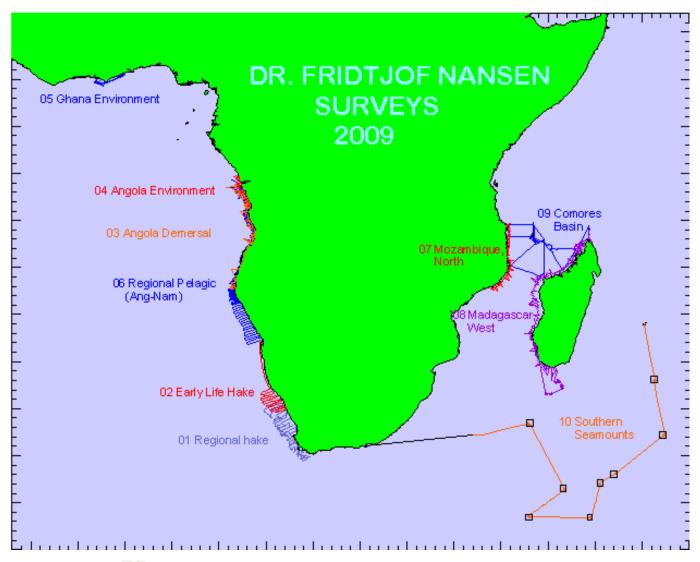


The Nansen EAF programme

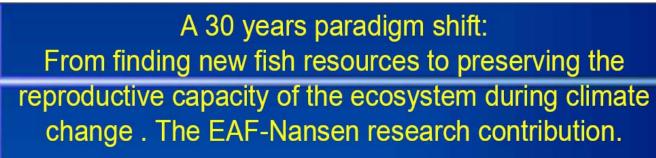






















NEEDS FOR CAPACITY BUILDING

- MARINE SCIENCE: continued need in general – in particular to convert scientific knowledge to management advice.
- LAWS & REGULATIONS: continued need – particularly in "bringing the law to life"
- CONTROL: need for considerable strengthening – particularly in IUU
- SANCTIONS: strenghtening





SUSTAINABLE FISHERIES FOR HEALTHY ECOSYSTEMS (or v/v)

- Fishing is a (the) major human activity in marine ecosystems
- SUSTAINABLE FISHERIES: A (THE)
 MAJOR CONTRIBUTION TO A
 HEALTHY MARINE ENVIRONMENT
-): COMPETENCE BUILDING IN MARINE SCIENCE AND FISHERIES MANAGEMENT IS VITAL FOR GLOBAL OCEAN HEALTH



