

Norwegian Assistance

The Norwegian Fisheries Forum

7-9 April 2010

Crown of Scandinavia

Oslo - Copenhagen

Hashali Hamukuaya

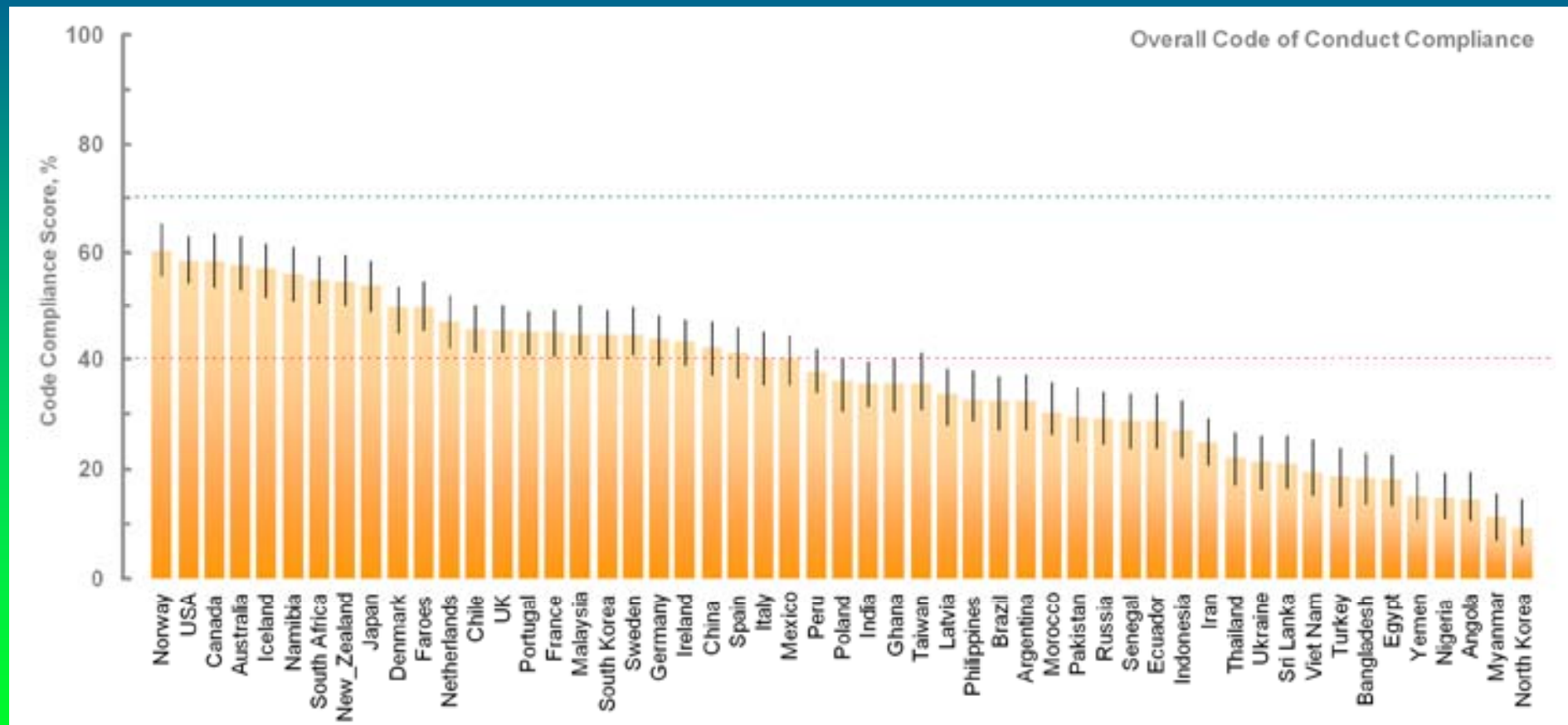
Benguela Current Commission (BCC)

www.benguelacc.org

Outline

- Factors attributed to the success of Norwegian assistance
- Training and capacity building
- Secondment of scientists and advisors
- Promotion of regional co-operation
- BCC science program projects
- Concluding remarks

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



Some factors contributed to the success of the Assistance

- The timing was right:
 - Peace and stability due to independence of Namibia and cessation of hostilities between Angola and SA
- Assistance program was focussed
 - Appropriate resources (human, technical, financial) were made available
 - Individual participants were committed
 - In line with national developmental policies
 - Need to strengthening of national research institutes
 - Desire for the promotion regional cooperation

Resources Research and Management

- Biomass surveys of important species (e.g. hake, horse mackerel),
- Improved management and resources use
- The availability of RV. Dr. F. Nansen has been vital as much of scientific achievements over the last 20 years were not possible without it.
- Vessel still needed or its replacement



Training and Capacity Building

- Numerous bursaries for PhD, MSc and Hons at institutions of high learning in Norway and in the region
- Specialized training in e.g. acoustics, stock assessments, calibration, taxonomy, gear performance / technology
- On-the-job training e.g. swept-area, ageing,

Secondment of Scientists and Advisors

- **Replacement Scientists / Technicians**
 - Bursary holders are replaced by Norwegian scientists until they complete their studies
 - Ensures that routine research work continue
 - Strengthen the institutions
- **Secondment of senior managers / scientific advisors:**
 - Provided high quality advice and improved research and management
 - Strengthened fisheries economics, policy and planning
 - Provide advice on MCS

The above made real impact, need reintroduction

Promotion of Regional Co-operation

- International workshop in Swakopmund in 1995 were the BENEFIT and the BCLME programs were conceived
 - BENEFIT was the first regional research agency for Angola, Nam and SA that coordinated co-operative research of trans-boundary marine issues as well as training of marine scientists.
 - BENEFIT programme led ecosystem-based science in the region from 1997-2007

BENEFIT MINISTERIAL BOARD

MINISTER MoF (Angola)
MINISTER MFMR (Namibia)
MINISTER DEA&T (RSA)



MANAGEMENT ACTION COMMITTEE

Angola (2), Namibia (2), RSA (2)
SADC (non-voting)



SECRETARIAT

Director (RSA)
Manager (Namibia)
Scientific Officer (Angola)
Secretary (Namibia)

Int'l Scientific
Advisory Panel

Steering
Committees
Nansen/IMR
BCGC

EWG

RWG

TWG

Promotion of Regional Co-operation

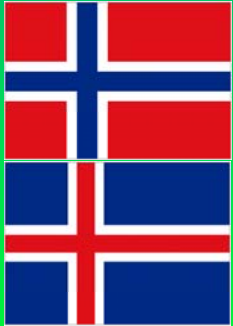
- BCLME Program covered wider areas including management of shared fish stocks, environmental monitoring and early warning, biodiversity and ecosystem health, socio-economics and governance and training and capacity building. Funded by GEF
- Both the BENEFIT and the BCLME programs contributed to the formation of a permanent regional structure – Benguela Current Commission

The Benguela Current Commission



SAP-IMP Project

Project Administration



BCC Science Plan



Ministerial Conference

BCC Management Board

Secretariat

Ecosystem Advisory Committee

BCC Science Program Projects

- Trans-boundary surveys (RV. Dr. F. Nansen)
- Spatial biodiversity assessments and spatial mngt. including MPA
- Acoustic survey methods and associated errors
- Development of acoustic methodology for zooplankton biomass assessment
- Development of continuous plankton recorder
- Development of integrated state of the ecosystem information system
- Investigate early life history and stock identity for horse mackerel
- Assess the impact of harmful algal blooms
- Assess the impacts of sulphur and low oxygen on inshore marine species
- Oil spills contingency planning
- **Implementing a process which allows the review (auditing) and tracking of an ecosystem approach to fisheries management**
- **Integrating the human dimension of an EAF into fisheries management in the BCC region proposal**

Concluding remarks

BCC Norwegian institutions collaboration:

1. Resources Management

- biodiversity conservation, aqua culture (marine and freshwater) policy, planning and development, stock assessment
- Ecosystem based management and modelling, trans-boundary stock assessment and management, socio-economics and ocean governance, marine protected areas, fisheries economics

2. Climate change, pollution and risks

- Adaptation, mitigation, modelling, environmental impact assessment (oil and gas exploration and extraction, diamond mining)

3. Marine Environmental Technologies

- Remote sensing, GIS and mapping, telemetry and tagging, solar power and wind energy
- Environmental early warning systems

4. Socio-economic sciences and the humanities

- Livelihoods, food security, poverty, gender mainstreaming, policy analysis, good governance, stakeholder analysis