

Long term capacity building in Angola



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Institutional cooperation in Angola - IMR

- Bilateral cooperation in the fisheries sector started in 1985
- Several disjunct project periods til date
- Bilateral fisheries component embedded in the Nansen Program
- Petroleum, Environment and Aquaculture components added
- Regional cooperation (Angola, Namibia, South Africa) through BENEFIT, BCLME and BCC [and GCLME]
- Climate change impacts on marine life
- Strategic planning, research vessel management



Other cooperation/ programs

- University Agostin Neto/ UWC/ UCT, University of Farro
- Petroleum sector: Norwegian Petroleum Directorate (1985-)
- Other institutional cooperation (IFRMER, Russia, Germany, Portugal....)



MAIN FOCUS

- Monitoring of living marine resources
- Basis for management advice
- Basis for research
biology, ecology, anthropogenic impacts, climate...)
- Time series – monitoring change – is of the essence
- Demand creep – sustainability, climate +++



MAIN JOB

- Competence building
- Competence building
- Competence development...



- Formal training (statistics, methods, software tools, database..)
- On-the-job training (do it together!)
- Formal education – close cooperation universities
(local, region, Norway, internationally)



SOME OUTPUTS

- Time series and yearly management recommendations
- Basis for fisheries management decisions
- Increased capacity to handle environment/ climate issues
- Capacitation at institutes, management and regional organizations & RFMOs (BCC, GCLME, SEAFO, ICCAT)
- Closure of pelagic trawl fishery for horse mackerel based on observed decline in fish stocks (DFNII, 2004)



Capacity and will to manage!

SOME CHALLENGES

- Long term perspective essential
- Multidisciplinary approach
- Multiple institutions and roles
- Regional cooperation and negotiations
- International industry and IUU
- Requires long term dedication amongst partners
- Requires strategic cooperation between education and R&D



The elements of the management regime



SOME REFLECTIONS

- Education is often seen in isolation from the sector
 - Funding and project cycles alignment
 - Different organizations/ procedures
 - Competence needs (ever) expanding
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- All must work for it to work
 - Broad alliances, long term commitments



Global perspective, Food production & Nutrition, Sustainability

THANK YOU



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