

NansClim



Climate effects on biodiversity,  
abundance and distribution of  
marine organisms

A PROJECT FUNDED BY NORAD

*Will there be a NansClim II  
and if yes:  
What will we do?*



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## *NansClim II ?*

*Harald Loeng visited Namibia and South Africa in June and Bjoern Erik Axelsen visited Angola in July 2014 to find out more...*



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## *Outcome*

- *All three countries were positive about NansClim II*
- *BCC to take over financial administration*
- *At this stage all three countries feel that BCC does not have the capacity to take scientific lead*

# Namibia



## *Suggestions:*

- *Establish paper specific groups. A challenge is the lack of expertise, e.g. statistics.*
- *Invite expertise to take part in data analysis and paper writing, or giving a training course (capacity building)*
- *Experts from Norway (or elsewhere?) could work for 1-2 weeks at NatMIRC to assist in writing papers and conveying the relevance of the results for managers*
- *There is a general need to have exchange of scientist among BCC counties*



# South Africa

- *Bi-national or transboundary projects, South Africa/Namibia and Namibia/Angola. Information and skills could be transferred to the third country.*
- *Methodological development studies of a national problem. It could be practical that one of the nations carries out a study, and that the new methodological approaches and skills generated are then to be shared with the other countries (capacity building).*



# *South Africa (cont.)*

- *Modelling (both oceanographic and ecological) a possible future activity. French project ICEMASA (led by Dr Francis Marsac) with very strong modelling capacity cooperates with the University of Cape Town could become involved; the project has also concluded its first phase and is also considering a second phase. There is not necessarily a need to build up such expertise at DEA or DAFF.*



# Angola

- *NansClim II should put more emphasis on training and capacity building in some areas. In particular, statistical analyses and modelling, e.g. joint workshops and dedicated training exercises involving representatives from the different institutions that will dedicate time to quantitative analyses.*

# *Concept notes / papers / projects*

## *Namibia*

- *Dynamics in the pelagic communities: The shift from clupeids (sardine) to horse mackerel dominance after the 1970's and the continued low biomass of sardines in the northern Benguela - U. Uanivi & M. Kalola*
- *Drivers of biological changes in horse mackerel - T. Shikongo & L. Shivute*
- *Retrospective analysis of jellyfish species in the northern Benguela ecosystem - B. Tjizoo*
- *Horse mackerel Environmental linkages - V. Shigwedha*



# *Concept notes / papers / projects*

## *South Africa*

- *Multi-scale variation in drivers of spatio-temporal patterns of marine biodiversity in the BCLME- D.Yemane, SP. Kirkman, T. Samaai and others*
- *Characterization of the habitats of important demersal fish species in the BCLME*
- *Changing plankton phenology in a changing Benguela Current - H. Verheye, J. Huggett, T. Lamont*
- *Diet switching of predators on the availability of prey driven by climatic variability - L. Singh*

# *Concept notes / papers / projects*

## *Angola*

- *Description of migration pattern and distribution range of key pelagic species in the Angola subtropical system - A. Barradas et al.*
- *Identification of spawning areas and seasonality of pelagic fish in the Angola subtropical system - M. André et al.*
- *Aggregation- and early life history dynamics of pelagic fish in the ABF frontal zone*
- *Temporal trends in abundance, distribution and diversity of zoo- and phytoplankton in the Angola subtropical system - C. Ruby , M. André, I. Rangel , S. Silva et al.*
- *Characterization of the habitats of important demersal fish species in the BCLME (proposal 2 South Africa)*



## *Angola (cont.)*

- *The influence of the positioning and dynamics of the ABF on distribution of demersal fish*
- *Demersal fish community - environmental linkages in the northern Benguela and the Angola subtropical systems - K. Kilongo et al.*
- *Upwelling processes in the northern region of the Angola subtropical system and the influences of internal waves with tropical origin - Q. Fidel et al.*



# *Will we have a phase II?*

- *Enough work to do*
- *Writing workshops, training e.g. Statistics courses*
- *Responsibilities given to lead authors of papers?*
- *Managed per paper rather than per discipline (demersal, pelagic, environment)*
- *Function and membership of PMC? To be discussed.....*
- *Convince NORAD.....*

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*Thank you!*