



2nd Annual Science Forum of the Benguela Current Commission (BCC)

SeaSide Hotel and Spa

Swakopmund, Namibia 11 – 13 October 2010

The Benguela Current Commission (BCC), is a multi-sectoral initiative by Angola, Namibia and South Africa to promote integrated management, sustainable development and protection of the environment using an ecosystem approach to ocean governance (see www.benguelacc.org). It is focusing, *inter alia*, on the management of shared fish stocks, environmental monitoring and early warning, biodiversity and ecosystem health, socio-economics and governance and is striving to keep training and capacity building at the forefront of its agenda. The Science Plan for BCC is generously supported by Norway, while the Training and Capacity Building (TCB) activities are supported by Iceland with substantial in-kind contribution from the three member countries supporting the Secretariat.

Nineteen projects addressing the BCC Science Program are currently contracted out covering six broad thematic areas, namely 1) ecosystem approach to fisheries management 2) living marine resources research and management 3) biodiversity and ecosystem health 4) water quality and pollution 5) oceanographic and coastal monitoring and 6) data and information management. Scientists from national marine research institutes (INIP, NatMIRC and DAFF, DEA) and from other research and academic institutes in the region and beyond will gather to *inter alia*, share experiences in areas listed above, provide progress update on projects underway and strengthen regional and international collaboration on research and capacity development.

Specifically, the Forum will provide, among others, the following:

- Project leaders will present progress on the implementation of the projects. The audience will have an opportunity to critically review / assess and comment on the work plans of the projects, taking an advantage of the wide range of local and international scientific expertise available.

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- A platform for the members of BCC Ecosystem Advisory Committee and regional Joint Working Groups (JWGs) to conduct business meetings. An opportunity for regional managers at different levels to interact and exchange information with scientists.
- An opportunity for reporting on progress on projects and conducting interactions among scientific disciplines, especially in view of Ecosystem Approach to Fisheries (EAF) requirements.
- A platform for regional and international scientists to discuss collaboration and identify areas of mutual scientific interest with training and capacity building at the forefront.
- An opportunity for scientists to develop concept notes for projects to be finalized and submitted for funding from various sources.

Presenters are kindly requested to submit abstracts of no more than 300 words of their presentations which will be documented as Forum proceedings. Abstracts are expected to be submitted by 1st October 2010 via email to Zukile Hutu (zukile@benquelacc.org).

The BCC Secretariat is organizing the Annual Science Forum and participation is by invitation only. For further information, please contact Hashali Hamukuaya (hashali@benquelacc.org) at the BCC Secretariat.



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Programme	
Monday 11th October 2010	
08h00	Registration – Sea Side Hotel
Session 1: Opening Session (09h00- 10h15)	
Chair: Dr. Johann Augustyn (Chairperson of BCC Ecosystem Advisory Committee)	
09h00	Welcome and opening remarks by the Chair
09h05	Official opening of the Forum: Hon. Bernhard Esau, Minister of Fisheries and Marine Resources
KEYNOTE ADDRESSES	
09h25	Keynote speaker: The prisoner’s dilemma: RFMOs, LMEs and Uncertainty by Dr. Denzil Miller
COFFEE & TEA: 10h15 – 10h30	
Session 2: (10h30 – 12h30)	
Chair: Dra. Francisca Delgado, Director General, INIP. Luanda, Angola	
10h30	Overall status of BCC by Hashali Hamukuaya and Nico Willemse
10h50	Report of Ecosystem Advisory Committee, by its Chairperson Dr. Johann Augustyn
11h10	For sustainable fisheries in the BCLME region, avoid fishing goby and clean-up jelly fish, by Mark Gibbons
11h30	Biochemical composition of jelly fish chrysaora hysoscella in northern Benguela, by Michelle Madondo
11h50	Project LMR/Pel/09/07 Acoustic survey methods and associated errors, by Janet Coetzee et al.
	Project LMR/09/08 Development of acoustic methodology for zooplankton biomass assessment, by Janet Coetzee et al.
12h10	Zooplankton diel vertical migration (real data) and its integration in the ecosystem model by Anja Eggert
12h30	Results of Transboundary fish surveys in the BCLME region (2008-2010), by Tore Stromme et al.
LUNCH: 13h00 – 14h00	
Session 3: (14h00 – 15h50)	
Chair: Dr. Kim Prochazka, Director Fisheries Research and Acting Chief Director Fisheries Research, DAFF, South Africa	
14h00	Project LMR/Pel/09/03&4: Environmental links to pelagic fish life cycles, abundance, and distribution: determining governing factors, by Dawit Yemane et al.
14h20	Analysis of species diversity of fish in relations to environmental conditions off the Namibian coast, by Ester Nangolo
14h40	Project LMR/Pel/09/09 Early life history and stock identity of horse mackerel

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	species, by Filomena Vaz Velho et al.
15h00	Project LMR/Dem/09/09: Stock definition and interactions between demersal fish off Angola, by Kumbi Kilongo et al.
15h20	Project LMR/Dem/09/08 Interactions between demersal stocks in Angola, by Kumbi Kilongo et al.
COFFEE & TEA: 15h40 – 16h00	
Session 4: (16h00 – 17h20)	
Chair: Ulitala Hiveluah, Permanent Secretary, MFMR, Namibia	
16h00	Community structure and spatial distribution of dermesal fish species off Namibia and the west coast of South Africa in 2007, by Sam Mafwila
16h20	Project EAF/09/01 Implementation of a process which allows the review (auditing) and tracking of ecosystem approach to fisheries management, by Barbara Paterson
16h40	Project EAF/09/02 Guidance on institutional Arrangements which support an ecosystem approach to fisheries management, by Kwame Koranteng
17h00	Project EAF/09/12 Integrating the human dimension of an ecosystem approach to fisheries into fisheries management in the BCC region, by Barbara Paterson
Tuesday 12th October 2010	
Session 5: (08h30-10h30)	
Chair: Ema Gomes, Ministry of Petroleum, Angola	
08h30	Land-breeding top predators: results from aerial seals photographic surveys 2009/2010, by Steve Kirkman and Mike Meyer
08h50	Using models for ecosystem based management: Policy options for the Benguela ecosystem by Sheila Heymans
09h10	Project BEH/09/01 Spatial Biodiversity assessment and spatial management, including Marine Protected Areas, by Toufiek Samaai et al.
09h40	Project EAF/09/08 The impacts of H ₂ S and low oxygen on inshore marine species, by Bronwen Currie et al
10h00	Project WQP/09/04 Assess the impacts of Harmful Algal Blooms on inshore environment, by Bronwen Curie et al
10h10	Project EAF/09/11 Building capacity of those who are implementing an ecosystem approach on the ground, by Samantha Peterson
COFFEE & TEA: 10h30 – 10h50	
Session 6: (10h50-12h50)	
Chair: Dr. Monde Mayekiso, Deputy Director General, DEA, South Africa	
10h50	Project OCM/09/07 Development of a continuous plankton recorder (CPR) sister survey in the BCLME, by Hans Verheye et al.
11h10	Development of ecological sustainable fisheries practices in the Benguela Current Large Marine Ecosystem (ECOFISH), by Ian Hampton and Kai Wieland
11h40	Progress on BCC data and information management, by Zukile Hutu
12h00	African Marine Atlas - ODINAFRICA, by Anja Kreiner
12h20	Project DIM/09/01 Develop a data policy and data management protocol for BCC, by Neville Sweijd

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LUNCH: 12h50 – 14h00	
Session 7: (14h00-15h20)	
Chair: Kalumbi Shangula, Permanent Secretary, MET, Namibia	
14h00	Impact of the altered Orange-Senqu River flows, sediment transport and the morphological dynamics of the river and the estuary, nutrient-loads and other water quality issues, and the interaction of the estuary with the coastal zone and the Benguela Current LME as a whole, by Christoph Mor
14h20	The extent of marine minerals exploration and production in South Africa and the mitigation measures to minimise environmental impacts, by Lebeau Labuschagne
14h50	The extent of marine minerals exploration and production in Namibia and the mitigation measures to minimise environmental impacts by Gabi Schneider
15h10	Oil / petroleum production in Angola and the environmental impact assessments as well as safety and oil spills contingency plan, Ema Gomes and Mr. Alcides Santos
COFFEE & TEA: 15h30 – 15h50	
Session 8: (15h50-17h00)	
15h50	Progress towards establishment of collaboration with research and academic institutions, by Hashali Hamukuaya and Kevin Stephanus
16h20	Progress in the implementation of BCC Capacity Building initiatives, by Kevin Stephanus
16h40	Presentation of Short Courses Certificates, by HE Vilhjálmur Wíium
Banquet Dinner – 19h00: Venue -	
Wednesday 13th October 2010	
Session 9: (08h30-10h40)	
Chair: Ceita Camilo, National Direction of Environment Management, Min. Environment, Angola	
08h30	Regional research vessel strategy, by Ian Hampton
09h00	Science Partnerships for the assessment of complex earth system processes (SPACES): A joint initiative by Angola, Namibia, South Africa and Germany in the Benguela Current influenced south-western Africa region by Prof. Venu Ittekkot
09h30	Some aspects of biogeochemical modelling of the Benguela Upwelling Ecosystem by Martin Schmidt (IOW)
10h00	Some aspects of the carbon cycle within the Benguela upwelling system by Tim Rixen (ZMT)
10h30	Biological investigation in GENUS I: Planned research and first results by Rolf Koppelman (IHF):
COFFEE & TEA: 10h50 – 11h10	
Session 10: (11h10-13h00)	
Chair: Ntokozo Faith Nzimande, Chief Director, Mineral Policy and Acting Deputy Director General, DMR, South Africa	
11h10	Nadine Moroff: Capacity Building within the GENUS Project
11h30	Werner Ekau: Outlook on GENUS II: What could be done in the second phase of the GENUS programme.

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11h50	What is in a name, by Linekela Kandjengo
12h10	Project LMR/Pel/09/01 Feasibility study to gauge the need for a specialised histology unit in the BCLME region, by Hilka Ndjaula
12h30	A Contribuição de UAN na Formação de Especialistas em Ciências do mar e de Zonas Costeiras, by Prof. Doutor José Pedro Domingos
LUNCH: 13h00 – 14h00	
Session 11: (14h00-17h00)	
Chair: Joseph Iita, Permanent Secretary, Ministry of Mines and Energy, Namibia	
14h00	Climate Effects on Biodiversity, Abundance and Distribution of Marine Organisms in the Benguela Region: The status of NansClim project by Harald Loeng
14h20	NansClim: Environmental variability by Pedro Tchupalanga (10 mins) NansClim: Climate impacts on the pelagic ecosystem by Hans Verheye (10 mins) NansClim: Climate impacts on the demersal resources by Paulus Kainge (10 mins)
14h50	The Agulhas and Somali Current Large Marine Ecosystem (ASCLME): recent scientific activities by David Vousden
15h10	The Guinea Current Large Marine Ecosystem (GCLME): status and scientific program by Stephen Maxwell Donkor
COFFEE & TEA: 15h30 – 15h50	
15h50	Remarks from HE. Ms. Kari Egge, UNDP Resident Representative
16h10	Final observations by the Chairperson of Ecosystem Advisory Committee, Dr. Johann Augustyn
End of the Forum	
14th October 2010	
09h00-13h00	1) Meeting of EAC subsidiary Groups a. Training and Capacity Building Advisory Group b. Fish Age Determination WG c. Regional EAF Task Group d. Transboundary Ship-time Advisory Group 2) Meeting of African LMEs 3) GENUS-II Workshop
13h00-17h00	4) Meeting of Ecosystem Advisory Committee (EAC) 5) NansClim Joint Task Groups workshop