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ANGOLA - BENIN - CAMEROON - CONGO - CÔTE D'IVOIRE - DEMOCRATIC REPUBLIC OF CONGO - EQUATORIAL GUINEA - GABON - GHANA - GUINEA - GUINEA BISSAU - LIBERIA - NIGERIA - SAO TOME & PRINCIPE - SIERRA LEONE - TOGO

FROM THE EDITOR :

Between 26 November and 3rd December, the Regional Director, GCLME, Prof. Chidi Ibe undertook mission to Vienna, Austria to participate in the "Eleventh Session of the General Conference of UNIDO".

From 12 - 16 December, 2005, Delegates and Non-Governmental Organization (NGO) representatives of the 16 countries under the Guinea Current Large Marine Ecosystem (GCLME) participated in the second Regional Workshop on Integrated Coastal Area Management (ICAM) which was to enhance their knowledge of advanced technological tools and procedures for Coastal Management. The tools that formed the plank of the Workshop included Geographical Information Systems (GIS), Remote Sensing (RS), Process Simulation (PS) and Decision Support Systems (DSS).

This workshop which had the objectives of introducing the importance of coastal areas, causes of ecosystem degradation and concepts of coastal process including legal and institutional frameworks and the management and conservation of marine resources, useful for an integrated management of coastal areas was the second on Integrated Coastal Area Management (ICAM) following initial Regional ICAM Workshop that took place at Kribi, Cameroon six months ago and targeted at training participants on the fundamental elements of ICAM and encouraging countries to develop and put in place ICAM model. The program was organized by GCLME, United Nations Development Organisation (UNIDO) and United Nations Environment Program (UNEP) in collaboration with the Federal Ministry of Environment and Cross River State Government.

The GCLME Regional Director, Prof Chidi Ibe who set the tone of the workshop by paying glowing tribute to the cream of experts assembled as resource persons, noted that the program has achieved much of its goal to fashion a regional coastal management. The experts that facilitated the five-day training program included in-

ELEVENTH SESSION OF THE GENERAL CONFERENCE OF UNIDO, VIENNA, AUSTRIA: 28 NOVEMBER, - 2ND DECEMBER, 2005.



L-R: GCLME Regional Director, Prof. Chidi Ibe in a discussion with Hon, Bamanga Tukur, Chair of NEPAD Business Round Table and Ambassador Fidelis Tapgun, Nigerian Minister of Industry shortly after the Swearing in of the New Director General of UNIDO, His excellency, Dr. Kandeh Yumkella on 02 Dec. 2005.

REGIONAL WORKSHOP ON INTEGRATED COASTAL AREA MANAGEMENT (ICAM): CALABAR, NIGERIA, 12 - 16 DECEMBER, 2005.

L-R: At the Opening Ceremony Dr. Chika Ukwé, Project Manager, UNIDO, Mr. Maiwadar Omar, National Director, Fed. Min. of Env., Nigeria, Prof. Chidi Ibe, Regional Director, Mr. Johnson Ibogbo - Sec. to the Cross River State Govt., Bar. Patrick Odok - Commissioner for Env., Cross River State and Mr. Charles Mrabure of Elf Plc, Rivers State, Nigeria.



L-R: Bar. Patrick Odok, Comm. for Env., Cross River State, Dr. Chika Ukwé, Project Manager, GCLME project and Mr. Maiwadar Omar, National Director, Fed. Min. of Env. Nigeria.



ternational experts- Dr. Chika Ukwé, United Nations Industrial Development Organisation (UNIDO) Industrial Development Officer (International Waters), Dr. L.F. Cassar, Dr. I. Vogiatzakis, Prof. Sikirou Adams, Dr. Peter Nwilo, the Regional Coordinator, GCLME/ University of Lagos (UNILAG) Environment Information Management and Dr. M. Fofana. Others are Dr. L.O. Chukwu and Prof. E. Antia.

Cross River State Governor, Mr. Donald Duke, commended UNIDO for selecting Calabar as the African Regional Activity Centre for Integrated Coastal Management and pledged the State's readiness to assist the centre to achieve its objectives. The centre will promote rationale management of the coastal and marine environment as well as contribute in strengthening institutional capacity and policy framework for the implementation of the integrated coastal management in coastal local municipalities in Africa.

He disclosed that the State Government has established a Swamp Forest Reserve to sustainably manage and protect the coastal forest resources, especially the over exploited mangroves. The government has also commenced the formulation of a coastal profile and Hotspot Diagnostic and Sensitive Area (HDSA) analyses for Calabar.

"We have also legislated on unsustainable fishing practices including the use of poisonous chemicals and explosives for fishing. Legislation is also in place against on-channelled dumping of untreated waste," he said.

Mr. Duke, represented by the Secretary to the State Government, Mr. Johnson Ibogbo, stressed the need to sustainably manage the resources of coastal and marine areas in the face of threats to the fisheries resources due to over exploitation, pollution from oil and gas mining, deterioration of water quality and loss of habitats, the depletion of living resources and threats to ecosystems status.

He said: "Nigeria with an Atlantic coastline of over 853 kilometres has over 60 million people living in the coastal areas, most of who depend on the natural resources for their livelihood. The introduction of ICAM is therefore a welcome development for Nigeria and indeed to Cross River State. The Cross River State Government recognizes the importance of coastal and marine areas. Some of our vital business and leisure resorts like the Marina Resort and the Tinapa project

PRESENTATION SESSION OF THE ICAM WORKSHOP



Dr. Chika Ukwé's presentation on UNIDO activities on Integrated Coastal Management highlighted among others, UNIDO Coastal And Marine Environmental Programmes

and Specific Objective.

Prof. E.E. Antia, Dir., Inst. of Oceanography, UNICAL, Lagos-Nigeria presenting the "Formulation of the Coastal Profile for Calabar and



The Draft ICM Plan and Coastal Use Zonation Scheme. To his right are Dr. Louis F. Cassar, of CAER, University Of Reading, UK and Kwaku Duah-Yentumi from Ghana.



Prof. Sieghard Holzloehner of the Institute Of Oceanography, University Of Calabar - Nigeria talked on the "The Reason For Nipa Spread And Control By Utilization".

are located in the coastal areas. In the past six years, we have undertaken policy, legislative and fiscal reforms/ measures to improve our coastal and marine environment."

Nigeria's Minister of Environment, Dr. Iyorchia Ayu who made the declaration at the opening of the Workshop said that the program is a veritable tool in achieving the much desired goal of integrated management of the regional ecosystem.

He said: "The government of President Olusegun Obasanjo has shown genuine commitment that will encourage sustainable development and has demonstrated total support in the issues of coastal management and the GCLME project in general."

The Nigerian Minister for Environment who was represented by the GCLME National Director, Mr. Maiwada Omar recounted that the 16 countries have resolved to work together to address their common concerns, after realizing that the traditional sectoral approach to management had failed in bringing about much needed changes in environment and living resources uses. He stated that the resolve includes adopting a holistic and multi-sectoral approach embodied in the ICAM as proposed methodology capable of achieving sustainable coastal resource use.

According to the Minister, the implementation of the programs in many countries have been hampered by lack of human and financial resources, lack of scientific data, monitoring programs and institutional capacities, fragmentation and lack of cooperative mechanisms, policies and strategies and integrated development models.

The presentations at the Workshop focused on overview of coastal processes and issues on Integrated Coastal Management supporting tools and methods of ICM, Geographic Information Systems and Remote Sensing applications.

On 14 December, 2005, as part of the approaches to achieving the aim of the Workshop, the participants, led by Prof. Sieghard Holzloener, of the Institute of Oceanography, University of Calabar went on a "Boat Drive" to the Cross River Estuary alabar Marina. They viewed the Mangroves along the estuary and were briefed on the Spread of *Nypa* palm and its control through



L-R: Dr. Mamodou Fofana, GCLME Consultant on EIMS, Prof. Kolawole S. Adams, Directeur Exécutif, CEDA, Dr. Ioannis Vogiatzakis, CAER, University of Reading, UK, Deariugo Azevedo, Min. of Fisheries, Inst. for Fisheries Resources, Angola and Mr. Daniel S. Amlalo, EPA, Ghana.



L-R: Dr. Jean Folack from CERECOMA, Cameroun, Prof. Sieghard Holzloehner Inst. of Oceanography, University Of Calabar - Nigeria, Dr. P.C. Nwilo, GCLME Regional Consultant on EIMS and Dr. O. Omojola of the Dept. of Geography, University of Lagos - Nigeria.



L-R from the Fed. Min. of Environment, Nigeria are : Dr. Akin Awobamise, Zonal Director / Controller, Mr. Maiwada Omar, National Director, Dr. (Mrs.) Ekeh, Dep. National Director and Ms Halima Bawa - Bwari.

utilization.

Following the Boat Ride to the Cross River System was a trip on 16 December, 2005 to the Tianapa Coastal Tourism Project site, a project that is planned to produce Africa's Premier Business Resort which will boost tourism in Nigeria and is expected to be ready for operation by the end of 2006.

FUTURE EVENTS:

- 1 Jan - 31 March, 2006: Survey of Aquaculture/ Mariculture Potentials.
- 1 Jan - 31 March, 2006: Formulation of National ICAM Plans (Continued).
- 1 Jan - 31 March, 2006: National workshops for the Formulation of NPA's of LBA (Nigeria, Equatorial Guinea, Liberia, Côte d'Ivoire, Guinea Bissau).
- 23 & 27 Jan, 2006: Consultation on Regulatory Implications of Trawl Survey Results.
- 24 - 26 Jan, 2006: GCLME / WWF Workshop on Fisheries Partnership Agreements.
- 30 Jan - 3 March, 2006: Regional Workshop on Management of Ballast Waters.
- 1-28 Feb, 2006: Completion and Publication of Water Quality Manual .
- 6 - 10 Feb, 2006: Erosion Processes / Modeling and Coastal Erosion with US Army Corps of Engineers .
- 13 - 17 Feb, 2006: 3 IMO / IPIECA (International Petroleum Industry Energy Conservation Association) Level 3 Course.
- 20 - 24 Feb, 2006: Regional Workshop on Regional Co-operation and Regional Contingency Planning.
- 27 Feb. - 3 March, 2006: Meeting of the pollution/ ecosystem health WG.
- 6 - 10 March, 2006: National workshops for the Formulation of NPA's of LBA (Nigeria, Equatorial Guinea, Liberia, Côte d'Ivoire, Guinea Bissau).
- 13 - 17 March, 2006: Workshop on Alternative Livelihood.
- 20 - 24 March, 2006: Sea based training for sampling and measurement of contaminant levels and distribution.
- 27 - 31 March, 2006: Round table with private sector on WSEMS.

Kelechi Ihemeje

BOAT RIDE TO THE CROSS RIVER STATE ESTUARY

The participants to the ICAM Workshop led by Prof. Sieghard Holzloehner on a Boat Ride for a view of the Calabar Estuary.



FIELD TRIP TO THE TINAPA COASTAL TOURISM PROJECT, CALABAR - NIGERIA



A view of the entrance to the Tinapa Site.

Group photograph of participants in front of the Administrative block of the Tinapa project.

