

Planned Activities for the Year 2006

The following programs/project outlined for the year 2006 include among others listed in the Business Plan of the centre:-

- Regional Workshop for compliance and Monitoring of the Basel Convention and its Amendments, April, 2006, Morocco.
- Joint BCCC/FMENV/MAN National stakeholders workshop on investment opportunities in environmentally sound management of used oil, March, 2006, Nigeria.
- Regional workshop on developing synergies in reporting and implementing of the Basel, Rotterdam & Stockholm convention, July 2006, Uganda/Gambia.
- Regional project on improving availability of information about human exposures to pesticides, hazardous chemical and waste, June, 2006, Senegal.
- Assessing environmental and socioeconomic impact of electronic wastes (e-waste) and promoting environmentally sound management (ESM) of electronic wastes in Africa, August, 2006, Nigeria.
- Regional Workshop on Media Awareness on Hazardous Wastes and Cleaner Production Technology, September, 2006, Mauritius.
- National Training Workshop on Environmental law and Enforcement issues for lawyers and judges, November, 2006, Nigeria
- Fund raising and awareness activities with multinational corporations and foundations on environmental seminars/ drama sketches/ cartoon publications on cleaner production themes and environmental sound management options in hazardous chemicals and waste.

Ongoing Project Proposals

- Training workshop on integrated resources planning and management, with focus on water, energy and mining
- Seminar/workshop on implementing Chemical/waste MEAs and Enforcement issues
- Regional Assessment of E-waste
- Pilot project on the ESM opportunities in E-waste
- Regional workshop on mercury exposure and management options
- Sub regional workshop on promoting the development of substitute or modified materials, products and processes to prevent the formation and release of [unintentional POPs]."
- The management and treatment of existing stockpiles of POPs wastes (which are often treated in hazardous waste incinerators).
- Regional/sub regional registration programme on chemicals management
- Sub-Regional Training of Port Officers and Custom official on MEAS



ESM Disposal of Diazinon Cattle Dip Solution (Post Cattle Death) on ILRI Farm, IITA, Ibadan



Basel Convention Regional Coordinating Center for Africa for Training & Technology Transfer

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Newsletter

The Basel Convention Regional Coordinating Centre for Africa (BCRCA)/ Federal Ministry of Environment-University of Ibadan Linkage Centre for Cleaner Production and Hazardous Waste Management was established on 20th September 1994 by the defunct Federal Environmental Protection Agency (FEPA) which metamorphosed into the Federal Ministry of Environment (FMENV) in June 1999. The Centre serves as both a national institution for Training and Research in the area of Hazardous Hazardous Wastes Management and International Centre for improved capacity building and service delivery at the regional level on hazardous waste issues and coordination of the three Basel Convention Regional Centres within Africa.



Surviving Cattles on ILRI Farm, IITA, Ibadan

Mandate

Overall role of the BCRCs

- To promote capacity building in hazardous waste management through the promotion of training and technology transfer activities within each of its regions.

Core functions of the BCRCs

- Training
- Technology Transfer
- Information Services
- Consulting and advisory services
- Awareness Building

Vision of Centre

To strengthen the Africa Region in the Environmental Sound Management of Hazardous Waste through defining the template for the programmes and projects for the implementation of the Basel Convention and its Amendments.

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Programme/activities In Year 2005

Training And Technology Transfer Programs:

- (A) **Regional Workshop on Successful Case Studies of Recycling, Reuse, and Resources Recovery methods towards the environmentally sound management of hazardous wastes and implementation of the Basel convention.**

A.1 Achievements/Outputs

- Publication of proceedings of the workshop
- Phased Implementation of workshop recommendations
- Of the twelve Workshop Recommendations, implementation is in phases on all, particularly recommendations (ii, iii, vii, x)
- (i) There is the need to obtain adequate finance for management of Hazardous Waste at national and international level.
- (ii) Need to raise public awareness on the existence of Hazardous Waste and the effects on human health and the Environment to all stakeholders.
- (iii) Conduct inventory of sources and volume of Hazardous Waste as well as waste characterization survey.
- (iv) Promote Integrated Management of Hazardous Waste through use of waste minimization and cleaner production technologies.
- (v) Use of efficient, sound and affordable technologies adaptable to African environment.
- (vi) Review of relevant legislations and regulation in order to promote efficient management of hazardous waste.
- (vii) Empowerment of salvagers at dumpsites in the hierarchy of waste management.
- (viii) Hazardous waste management should follow proper management strategy of municipal domestic waste.
- (ix) Need for investment in research and development for new technology and waste minimization options for industries through the Basel Convention Regional centers
- (x) Consideration of the use of cement kilns for disposal of hazardous waste as fuel and as part of raw materials for the region.
- (xi) Memorandum of Understanding and contracts on purchase of any new technologies should have in the procurement policies means of dealing with the after waste.
- (xii) Countries need to avail themselves opportunities to develop programs/projects meeting local needs on hazardous waste management and adapt to meet donors objectives.

- (B) **Final Technical Workshop for the Development of a Regional Action Plan on Environmentally Sound Management of Used Oils in Africa (Lagos, 6-7 December 2004)**

Achievements/Outputs

- Increased awareness on the dangers of inappropriate disposal of used oil by the relevant authorities and stakeholders.
- The template for a national and regional plan for used oil management was considered and adopted by workshop participants.
- Publication of proceedings of the workshop.
- Phased Implementation of workshop recommendations
- Of the eleven Workshop Recommendations, implementation is in phases on all, particularly the following:
 - (i) The promotion of intersectoral collaboration between the Ministries of Environment, Health, Industry, Department of Petroleum Resources (DPR), National Standard Organisations and related agencies to work together towards the effective management and disposal of used oils;
 - (ii) The strengthening of a private-public partnership through collaboration and cooperation with organized occupational groups and other stakeholders;
 - (iii) The involvement of organized groups in workshops for capacity-building and training on enforcement and compliance (bottom-to-top approach);
 - (iv) The involvement of NGOs and other Civil Society Organisations as active participants in research and advocacy, awareness creation, and monitoring activities;
 - (v) The development of a financial mechanism for used oil management programmes; in particular seeking involvement of financial institutions in the funding of used oil management;
 - (vi) The establishment of an incentive system to support used-oil management initiatives;
 - (vii) The promotion of product responsibility including eco-labeling requirement for lube oil.



Participants for the Regional Workshop on Used Oil inclusive of the Directors of BCRC South Africa and Senegal

- (C) **Water and Wastewater Quality Analysis Monitoring**

The BCCC-Nigeria in actualization of one of its mandate on training organized a course programme on Water quality Analysis Monitoring and Assessment which was targeted at Senior technical or managerial staff, active in water, health or environmental departments/sector of government institutions, quality control, engineering, production, Departments/sector of Government Ministries, Water Corporation, River Basin Authorities, Manufacturing facilities, Hospitality and the Oil and Gas sectors, etc. The Workshop took place at the University of Ibadan Conference Centre seminar room from 12th April to 15th April 2005.

- (D) **Globally Harmonised System(GHS) of Classification and Labelling of Chemicals Comprehensibility Testing**

- A two-day training was organised with field-testing in two cities namely Abuja and Lagos respectively and administration of questionnaire was done consecutively over a period of two weeks in Abuja, Lagos and Ibadan.



Participants for the Global Harmonised System Training Workshop

- The comprehensibility testing revealed among others that some elements of hazard communication are relatively well understood, particularly symbols such as the skull and crossbones and the flammable symbol, and the signal word "Danger" through familiarity with road symbols often passed on by word of mouth and through experience. However, the majority of other hazard symbols, warning and activity pictograms, and hazard messages, are of moderate to poor comprehensibility.
- The Centre has in effect developed Customized Chemical Management Training Programmes Incorporating GHS to improve Comprehension at the four key sectors with direct relevance to Chemical Usage namely: Industry, Agriculture, Transport and Consumer.
- A multiplier effect of the train the trainer on comprehensibility has been recorded as more companies who participated at the first training exercise have reported of similar activities been done at their organization.
- Recommendation from the external (UNITAR) consultant on the project on the possible replication of the Nigerian strategy in conducting of future comprehensibility testing.

- (E) **Ongoing Projects Used Oil Partnership Initiative with Manufacture Association of Nigeria (MAN)**

- E1 **The main objectives of the used oil initiatives are:**

- To promote used oil recycling and extended product stewardship.
- To have a voluntary agreement set up by the sub sector; and
- To establish a collection system for used oil that will serve as feedstock for recycling or conversion into energy purpose.

Expected Outputs

- Minimization of waste in production cycles;
- Compliance with environmental regulation;
- Obtaining environmental friendly labelling certification (ECO-Labeling); and
- Ensuring sustainable operations.

- (E2) **Hazardous Waste Disposal Technology & Services**

CFC Disposal

The Centre embarked on discussion with the Nigerian Liquefied Natural Gas Plant (NLNG) on means of environmentally sound disposal of their CFC waste and discussion is ongoing

Electronic and Cell Phone Waste

The Centre has conducted survey and research on computer, cell phone and other electronic waste in two cities in Nigeria (Lagos and Ibadan) and the impact on the socio and economic environment of the country

The Centre received two international visitors from the Basel Action Network, Geneva during the period and was familiarized with the centre's activity and proposals..

A film and documentary on the electronic waste dump issue has been produced by the BAN, Geneva and is available on the internet.

Recycling Of Slag from Autobattery Manufacturing Industry Into Building Bricks And Ceramic Tiles

Objectives:

- To investigate the recycling potentials of slag into the manufacture of bricks and ceramic tiles for house building purposes.
- To ascertain the class and grade of construction/building products the slag can make.
- To design and fabricate slag-recycling plant for low cost, brick and ceramic tile making at small enterprise level.
- To develop techno-economic feasibility study for the process and plant.