



# Stakeholder's workshop on curriculum development report

October 2007



Rwanda Environment Management Authority  
Ministry of Lands, Environment, Forestry, Water and Mines

*a report prepared for and funded by:*  
Protected Areas Biodiversity Project (PAB)  
REMA/GEF/UNDP



GEF



**Introduction:**

The Project management Unit for Kitabi Conservation Training Centre (KCTC) has planned to hold a one-day workshop at Alpha Palace Hotel in Kigali on October 26<sup>th</sup> to brainstorm on the courses of the curricula to offer at KCTC. Various short-term training programs are envisaged to be offered at the centre for various clienteles including: Tour drivers/operators, forest Rangers/guards, Park Wardens, Environmental Monitoring personnel, Tour guides, Game Rangers, Community scouts and district planning and environmental committees. The centre is also positioning itself to offer courses leading to a diploma in integrated natural resource management.

**Justification**

Being a new institution, need exists to design a curriculum that meets the aspirations of the local and regional communities. Wide consultations are necessary to ensure that the final document has inclusive views from all stakeholders.

**Overall objective of the workshop**

The workshop has produced specific areas of training needs to be covered in the KCTC curriculum.

**Participants**

Among 85 people invited, 55 were present. Workshop participants came from Government ministries and institutions, including schools, colleges, and universities. Other invited participants include various stakeholders from local communities and those already in various relevant workforces and NGOs. Were present also 5 international guests from Kenya, Burundi, Uganda, and Tanzania.

**Tasks accomplished**

After the registration of the participants, the Centre has been introduced to the participants as well as the center's perspective. Various remarks have been given by different personalities including, Mr RUZIGANDEKWE Fidèle, Chairman of the Steering Committee, Richard NASASIRA on behalf of National Curriculum Development Center's Director, Professor Pamela Abbott, High Education Council Director who gave the key note speech.

During the work groups, the needs of the following clienteles have been determined: Forest guards/Rangers; Park Wardens, Environmental monitoring personnel, tour guides, Community scouts, game Rangers, District planning and environmental committees and diploma graduates in natural resource management.

Hereafter, the list of Programmes, courses, subjects, topics suggested by the workshop participants after the group working sessions:

**Summary of courses recommended by the stakeholder workshop on curriculum development.**

**ECOLOGY**

- Wildlife ecology
- Fundamentals of ecology
- Range ecology & management
- Terrestrial ecology
- Fresh water ecology
- Primate Ecology
- Landscape Ecology

**CONSERVATION STUDIES DEPARTMENT**

**A. WILDLIFE CONSERVATION & MANAGEMENT**

- Wildlife Management Techniques
- Captive animal management and Wildlife Breeding
- Protected Area Management
- Fundamentals of Wildlife Management
- Wildlife Utilization and Economics
- Management of threatened & Endangered Species
- Forest Management and Botanical Gardens
- Wetland Management
- Biodiversity Conservation
- Fire Management and Control
- Conservation Ethics
- Ecological Monitoring
- Protected Area Planning (including zoning)
- Range Management
- 

**B. SUSTAINABLE NATURAL RESOURCE MANAGEMENT**

- Tree Nursery Management
- Organic farming
- Community Forestry
- Bee farming
- Ecological Restoration
- Eco-Development
- Water Management

**C. MAMMALOLOGY**

- Animal Behaviour

**ORNITHOLOGY**

- Bird Ecology

**WILDLIFE DISEASES AND PARASITES**

- Zoonotic
- Wildlife and Human Health

## **COMMUNITY-BASED WILDLIFE CONSERVATION & MANAGEMENT**

- Participatory Conservation and Management
- Participatory Resource Management & Planning (PESTLE)
- On farm biodiversity conservation
- Agro-forestry
- Community Conservation and Development
- Rural Development

## **WILDLIFE UTILIZATION**

- Wildlife economics and entrepreneurship

## **TOURISM (PLANNING & MANAGEMENT)**

- Introduction to Tourism Management
- Eco-tourism

## **NATURAL RESOURCES LAWS AND POLICIES**

- Policies and Laws in Tourism and Wildlife Management
- Intellectual Property Rights
- International conventions, laws and obligations

## ***BIOLOGY DEPARTMENT***

### **BOTANY**

- Plant identification and Vegetation classification
- Plant Taxonomy
- Plant Communities of East Africa
- Classification of Biotic Communities

### **ZOOLOGY**

- Invertebrate zoology
- Vertebrate zoology

### **FIELD ATTACHMENT**

#### **NATURAL HISTORY**

- Mammals
- Birds
- Reptiles
- Amphibians
- Fishes

### **INDUSTRIAL ATTACHMENT**

### **STATISTICS AND RESEARCH METHODS**

#### **Research Process**

Data Management

Project Proposal Writing/ Fund raising

## **WILDLIFE CONSERVATION EDUCATION AND EXTENSION**

- People & Protected Area relations
- Wildlife Public Awareness
- Public Relations
- Wildlife Conservation Leadership
- Wildlife Resource Use Conflict Resolution
- Wildlife Journalism
- Local Media
- Community Wildlife Outreach Training
- Medicinal Plants

## **SOCIO-ECONOMIC & CULTURAL STUDIES**

- Human Dimensions in Wildlife Management
- Nutrition and Population Health
- Local Cultural Wildlife Conservation Practices
- Foreign Cultural Practices
- Genders Studies
- Youth Counseling
- Volunteerism
- Human Populations studies.
- Community Development
- Population and Development (e.g. Family Planning)

## **HERPETOLOGY**

## **PROJECT PLANNING AND MANAGEMENT**

- Environment Impact Assessment (E.I.A.)

## **ECOSYSTEM HEALTH**

Eco-toxicology

Waste Disposal & Management

Sanitation

## ***ENTREPRENEURSHIP DEVELOPMENT DEPARTMENT***

- Enterprise Development
- Principles of Wealth Generation
- Sales and Marketing
- Financial Control / Accounting
- Local Enterprise initiatives
- Local Tourism: people to people tourism
- Farm Faming/ Fish Pond Construction
- Bee Keeping
- Specialized Catering Course - Baking, Pastry
- Small Animal Husbandry (Poultry keeping, dairy)
- Kitchen Garden
- Silk Culturing (Sericulture)
- Alternative Energy Sources
- Product Design and Development
- Budgeting
- Bookkeeping

- Business Planning and Accounting
- Agroforestry
- Cooperative Movements

### **TECHNICAL DEPARTMENT**

#### **Wildlife Management Field Techniques**

- Resource mapping
  - Remote Sensing and GIS
  - Surveying and cartography
  - Photography & photogrammetry (Photo-interpretation)
- Routine Field Data Collection & Management
- Animal censusing
- Animal and plant sampling
- Animal movement (migration) and tracking
- Soil and water sampling
- Water impoundments (dam and pond) construction
- Fire, habitat and animal population management and control
- Herbarium & museum management
  - Animal and plant collection/preservation
- Ecological Monitoring
- Forest Resource Harvesting
- Bushcraft – safety and survival
  - Map reading
  - Group dynamics and leadership skills
  - Self defense skills
- Anti Poaching and intelligence gathering

#### **Planning and policy**

Environmental Monitoring

Environmental Impact Assessment

Environmental Policy

Mapping and modeling of Landscapes

Environmental Policy and Planning

Land Use Planning

#### **Tourism Development**

- Tour guiding & interpretations
- Tourism and Recreation Management
- Ecotourism
- Touristic Geography of Rwanda
- Travel and Tours
- Tourism Product Development and Diversification (Cultural Village, Home Stays, Cultural Troops)
- Public Relations
- Tour guiding for Drivers
- Touristic History of Rwanda

#### **Hospitality**

- Customer care
- Hospitality and Restaurant Management
- Public Relations

#### **Sustainable Agriculture**

**First Aid**

- Symptoms and signs
- Treatment of shock, wounds (blisters), sprains, burns, snake bites,
- Transport of casualties (victims),

**COMMUNICATIONS AND LANGUAGES DEPARTMENT  
LANGUAGES**

- French, English, Kiswahili
- Communication Skills

**COMPUTER STUDIES**

- Introduction to computers and applications
- Information Management Systems
- Introduction to Ms DOS/Windows
- Information Technology: Principles and Applications, Packages

**ECOSYSTEM MANAGEMENT & PLANNING**

Ecosystems Resources Planning & Management

**Environmental Impact Assessment**

- Strategic Environmental Assessments
- Environmental Audits

**Conclusion:** In his closing remarks, Mr.Théophile BAZIMAZIKI, ORTPN Human Resources Manager and a member of KCTC Steering Committee thank all the participants for their contribution to the success of the workshop and invited them to the upcoming KCTC curriculum validation workshop.