Potential for DNA Barcoding in BOZONET

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ICIPE

Botanical and Zoological Taxonomic Networks in Eastern Africa:

BOZONET - Theme

"Linking Conservation and Taxonomy"

BOZONET

Focus Countries

- Ethiopia

- Kenya

- Uganda

- Tanzania

BOZONET

Funding: GEF

Regional Coordinating Institution

- ICIPE – The Lead Agency mandated by UNDP to execute the Project

National Coordinating Institutions

- Ethiopia – University of Addis Ababa (UAA)
- Kenya – University of Nairobi (UoN)
- Tanzania – University of Dar es Salaam (UDSM)
- Uganda – Makerere University (Mak)

BOZONET-CBOL

RATIONALE

The Global Taxonomy Initiative (GTI) in the Darwin Declaration identified the Taxonomy Impediment, as the core of the conservation/taxonomy problem. The impediment is defined as:

"The gaps in knowledge of taxonomic systems, and the reduced impact by not using such knowledge in the management and sustainable use of biodiversity".

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KEY INNOVATION

BOZONET's key innovation is in building the Bridges between taxonomists and the <u>end Users</u> (field conservationists, tourism, potential bioprospectors, local communities, etc) who need taxonomic information, and cementing this linkage through joint biodiversity oriented fieldwork and networking.

Expected Outcomes

1.   *Taxonomic tools and capacity*

2.   *Such taxonomic tools and information used to improve the conservation of biodiversity and its sustainable use in the field.*

Expected National Benefits

1. *BOZONET will generate taxonomic information that will assist decision-making on achieving the objectives of meeting country obligations*

    ✓ *The CBD*

    ✓ *Global Taxonomy Initiative (GTI).*

    ✓ *Global Strategy for Plant Conservation (GSPC) – 11 out of 16 targets.*

2. Economic and environmental importance of taxonomy

✓ *Food security – agrobiodiversity, food security, biocontrol (reducing insecticide use, DDT!!!).*

✓ *Bioprospecting (Medicinals and aromatics) and biopiracy (Microorganisms).*

✓ *Invasive species Ecotourism*

✓ *EIAs*

✓ *Hotspots and Key Biodiversity Area inventories*

CBOL – BOZONET

✓ The potential of the emerging tools for user-friendly identification

    ✓ Molecular tools (CBOL)

    ✓ IT tools (GIS, Cellular etc).

✓ Reducing dependency

Thank You