

# **Barbets' Duet**

*an experiment in systemic invention*

**BJ Heinzen +**

Oby Obyerodhyambo, Mwajuma Masaigana, Magode Ikuya, Sammy Muvelah

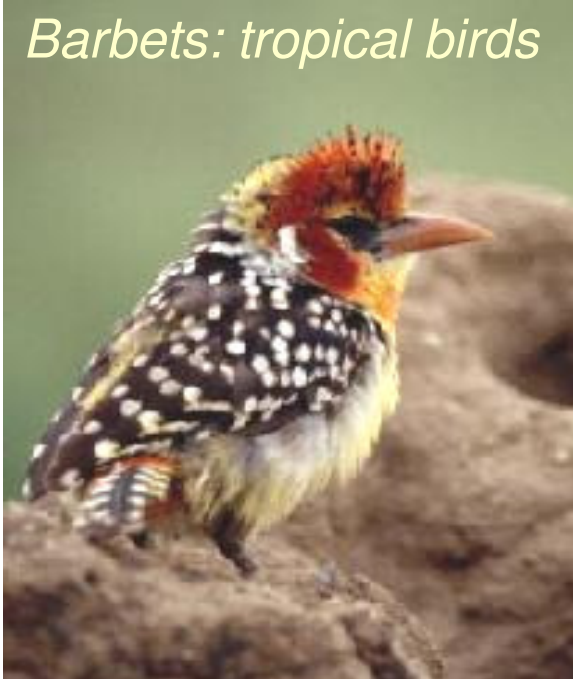
April 2008

[www.barbaraheinzen.com](http://www.barbaraheinzen.com) → Barbets

# Barbets' Duet

*A Business Idea, Not a Charity*

*Barbets: tropical birds*



**SUPPORTING**  
people

who support  
the  
natural world

**INVENTING**  
New institutions

e.g. property rights  
& marketing  
structures

*who sing in duet*



**LEARNING**  
from  
2 cultures:  
Africa + West

modern & traditional  
on equal terms

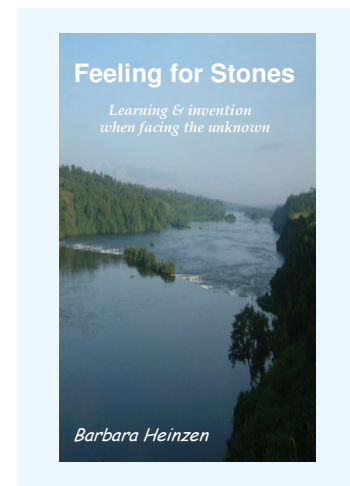
# Early English Lessons in Systemic Invention

**E**ngagement  
& a**E**sthetics

**E**xperiment  
& **E**ducation

**E**xtr<sup>e</sup>mity  
& **N**ecessity

**E**



Tanzania, Mar 2002



# Society for International Development East African scenarios work 1997-2008

## Ten years of social capital

E. Africa, May 2007



E. Africa, Nov 2006

## Politics of learning in E Africa

29/30 April 2008

Launch of  
East African Scenarios

Kigali, Rwanda



Uganda, 2003



# Two Cultures: Mosaic Rights & Column Rights

## Mosaic rights

Women: food crops, Men: tree crops,  
Herders: grazing after harvest  
Gov't: mineral rights,  
Those who dug the well, own the water



Fields near Mt. Elgon, Uganda

Footpaths

## Column rights

Minerals, land, buildings, air rights  
all owned by one



Downtown NY, from Times Square

Fences

Mosaic rights → high social equity, high biodiversity;  
Column rights → successful markets

# 4 Barbet Learning Sites, Feb 08: “Just Begin”



**Oby Obyerodhyambo**  
*land in Seme, W. Kenya*



**Mwajuma Masaigana  
& Msi Choke Coop've**  
*Coastal Tanzania*



**Developing plans  
for  
Barbet sites  
In Kenya, Uganda  
Tanzania**



**Sammy Muvelah**  
*land in Lukenya,  
outside Nairobi*

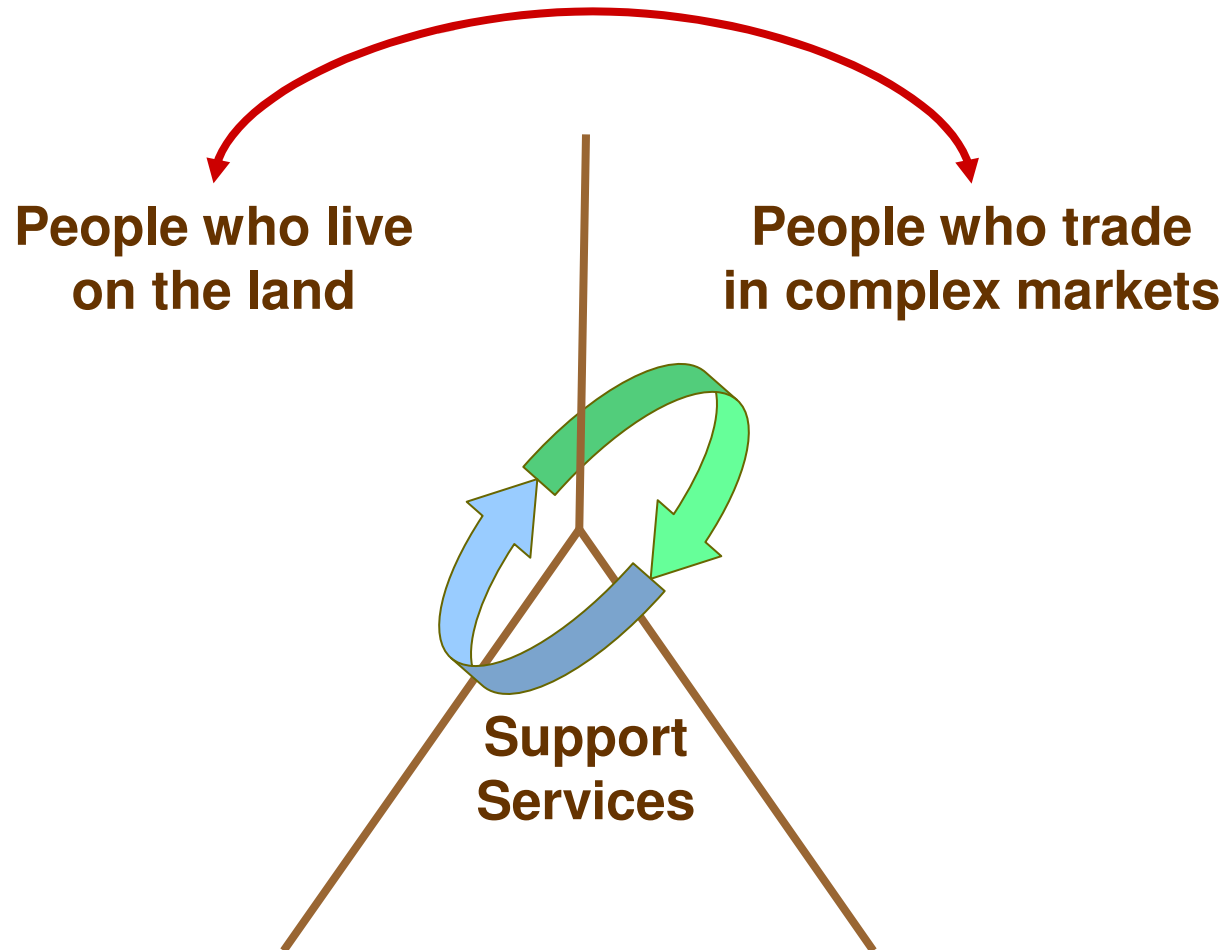


**Magode Ikuya**  
*Eastern Uganda*



# Principal Relationship: People & Markets

From October 2006 Conceptual Framework



# Potential Markets

<p><b><u>Four Types of Market</u></b></p>	<p><b><u>Products of “Thing” Culture:</u></b></p> <p>Moveable products <i>Tangible, portable, Species-specific</i></p>	<p><b><u>Products of “Earth” Culture</u></b></p> <p>Environmental products <i>Intangible, immovable, Site-specific habitats</i></p>
<p><b>Utility:</b> <b>creating things we need</b> e.g. clean water, air, food, medicine, cosmetics, building materials</p>	<ul style="list-style-type: none"> <li>• <b>Timber &amp; grasses</b> <i>(wild &amp; domestic)</i></li> <li>• <b>Medicinal plants</b></li> <li>• <b>Domestic biodiversity</b> <i>(e.g. seed &amp; semen banks)</i></li> <li>• <b>Edible wild:</b> <i>(e.g. roots, bush meat)</i></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Ground water recharge</b> <ul style="list-style-type: none"> <li>• <b>Water purification</b></li> <li>• <b>Carbon sinks</b> <i>(e.g. swamps, grasslands, uncut forests)</i></li> </ul> </li> <li>• <b>Waste management</b> <i>Decomposition services</i></li> </ul>
<p><b>Insurance:</b> <b>reducing risks of</b> climate change, flooding, loss of ground cover due to climate extremities; loss of food species to disease</p>	<ul style="list-style-type: none"> <li>• <b>Woodlots &amp; grasses</b></li> <li>• <b>Medicinal plants</b></li> <li>• <b>Domestic biodiversity</b> <i>(e.g. seed &amp; semen banks)</i></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Flood control</b></li> <li>• <b>Micro-climate change</b></li> <li>• <b>Wild biodiversity</b></li> <li>• <b>Carbon sinks</b></li> </ul>
<p><b>Aesthetics</b> Fashion, bragging rights, tourism, meditation</p>	<ul style="list-style-type: none"> <li>• <b>Edible wild:</b> <i>(e.g. teas, roots, bush meat)</i></li> <li>• <b>Wild biodiversity</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Species habitats</b></li> </ul>
<p><b>Intellectual property</b> Genetic reserves</p>	<ul style="list-style-type: none"> <li>• <b>Medicinal plants</b></li> <li>• <b>Domestic biodiversity</b> <i>(e.g. seed &amp; semen banks)</i></li> <li>• <b>Wild biodiversity</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Species habitats to support genetic reserves</b></li> </ul>



# Necessary Knowledge & Experience

## **RULES**

*Rights, rules & laws,  
both traditional & modern*

## **MANAGEMENT**

*Accounts, training,  
agreements & patience*



## **MARKETS**

*Marketing, sales,  
distribution & trading*

## **POWER**

*Gov't relations,  
powerful interests*

## **FINANCE**

*Capital markets  
& micro-finance*

## **ECOLOGY**

*Biology, geography & ecology  
of natural world*

**Oral skills**  
*Local languages  
Observation  
Listening  
Asking*

**Literate skills**  
*Writing  
Visualisation  
Mapping  
Measurement*

# Invention Convention – May 2009

## 1. Places & Potentials



## 2. Essential Skills



## 3. Linking Sites & Skills



# Fundamental Issues

Can price signals reward abundance, not scarcity?

What exactly can be owned & traded?

This may be necessary,  
but is it possible?

*“If it is necessary,  
it must be possible.”*

Julius Kipng’etich  
Director, Kenya Wildlife Service  
17 October 2007

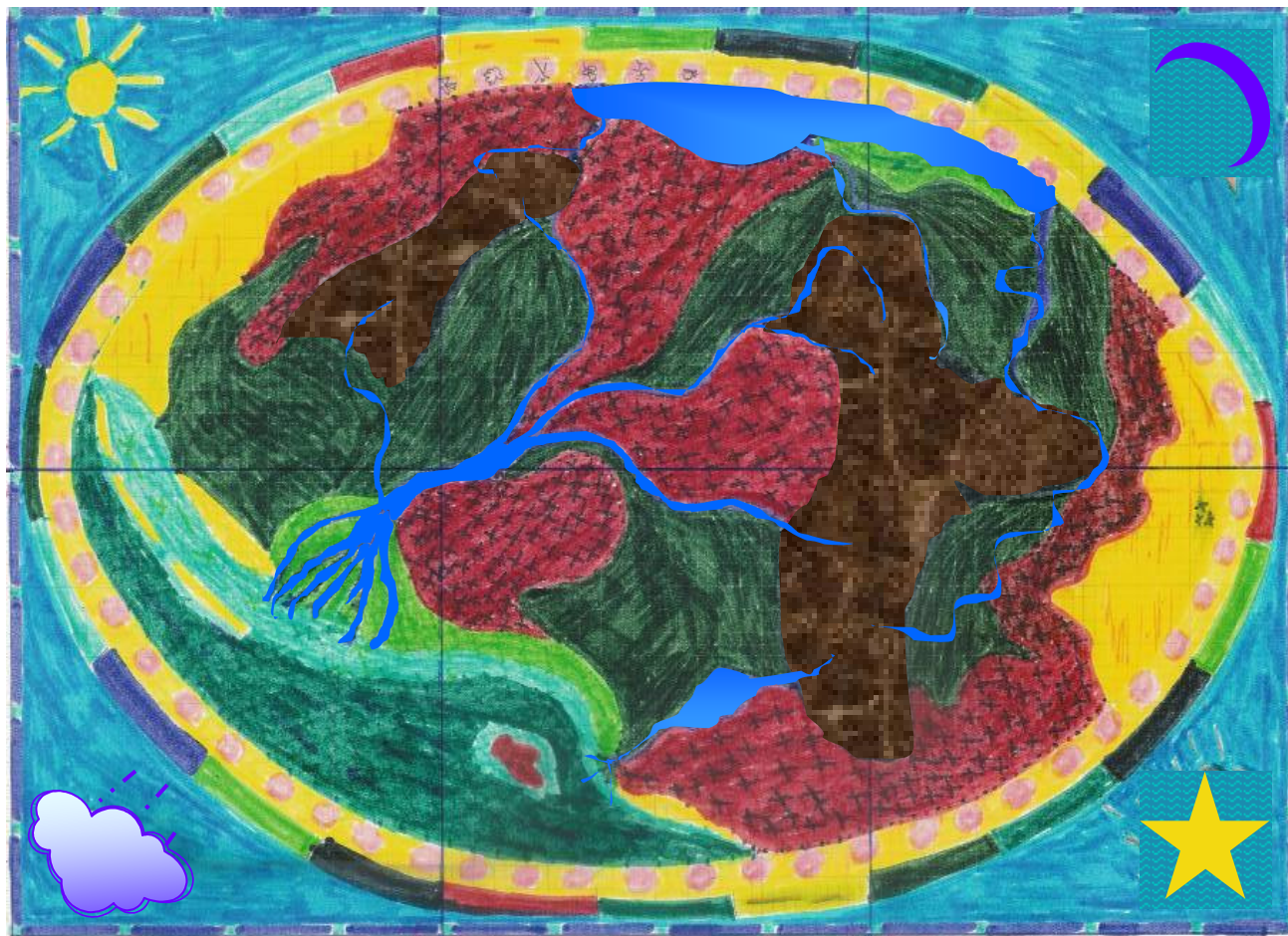


# Barbets' Game

## The Landscape

Each landscape colour is a different soil type or habitat.

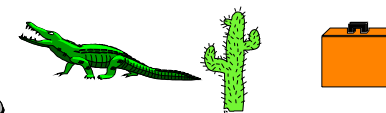
-  Desert, sand
-  Mountains, rocky
-  Rivers, lakes, riparian
-  New fertile soils
-  Coastal Waters
-  Wetlands, mangrove
-  Deep ocean
-  Old soils



## Currency



## Events Cards



## Players' tokens

