

Graphical introduction to:

Barbets Duet

an experiment in systemic invention

Founding Partners

Barbara Heinzen

James Magode Ikuya

Rose Lyimo

Mwajuma Masaiganah

Sammy Muvelah

Oby & Hilda Obyerodhyambo

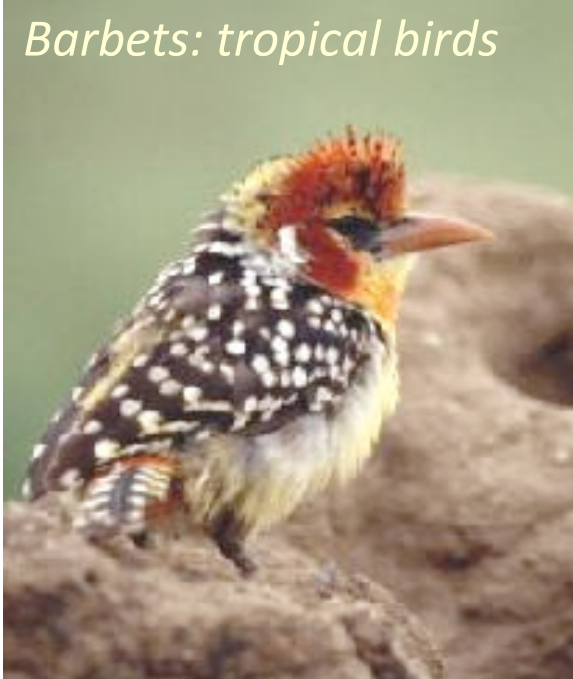
May 2009

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



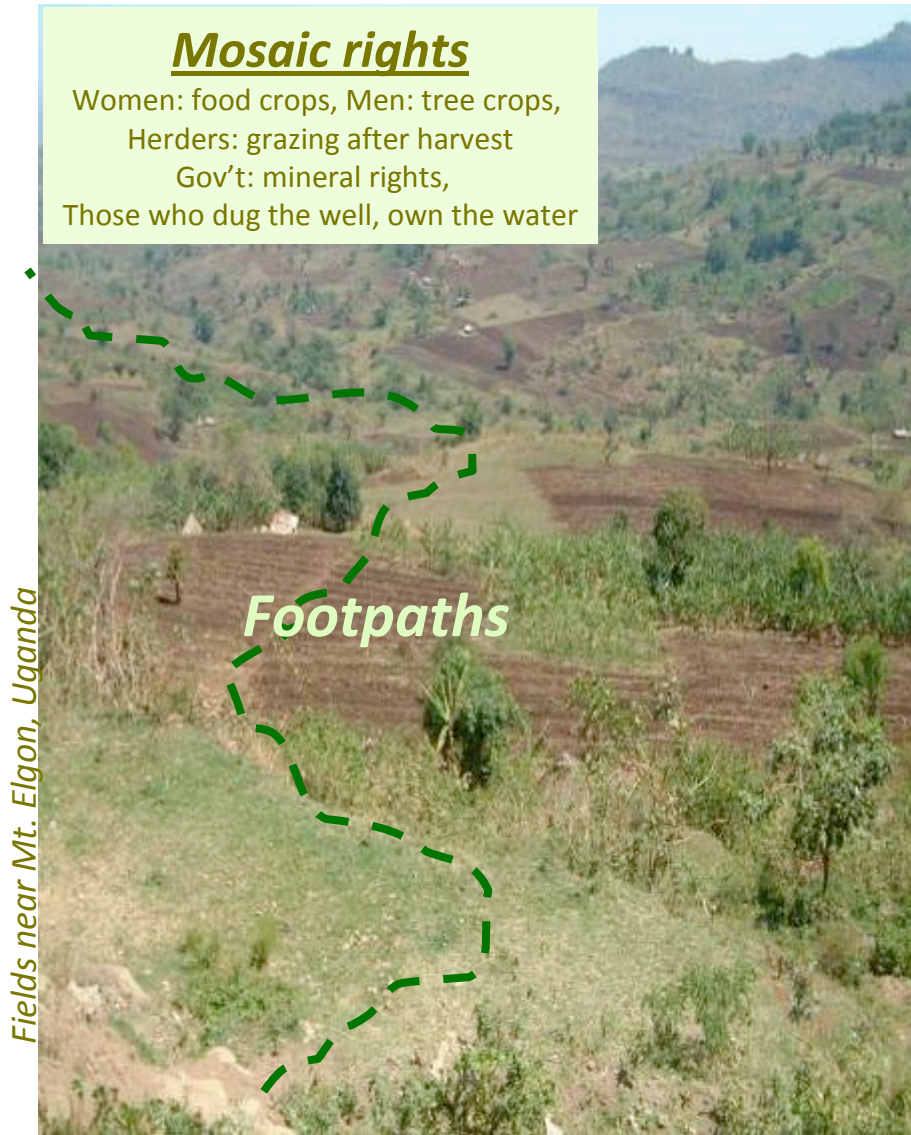
LEARNING
from
2 cultures:
Africa + West

modern & traditional
on equal terms

Two Cultures: Mosaic Rights & Column Rights

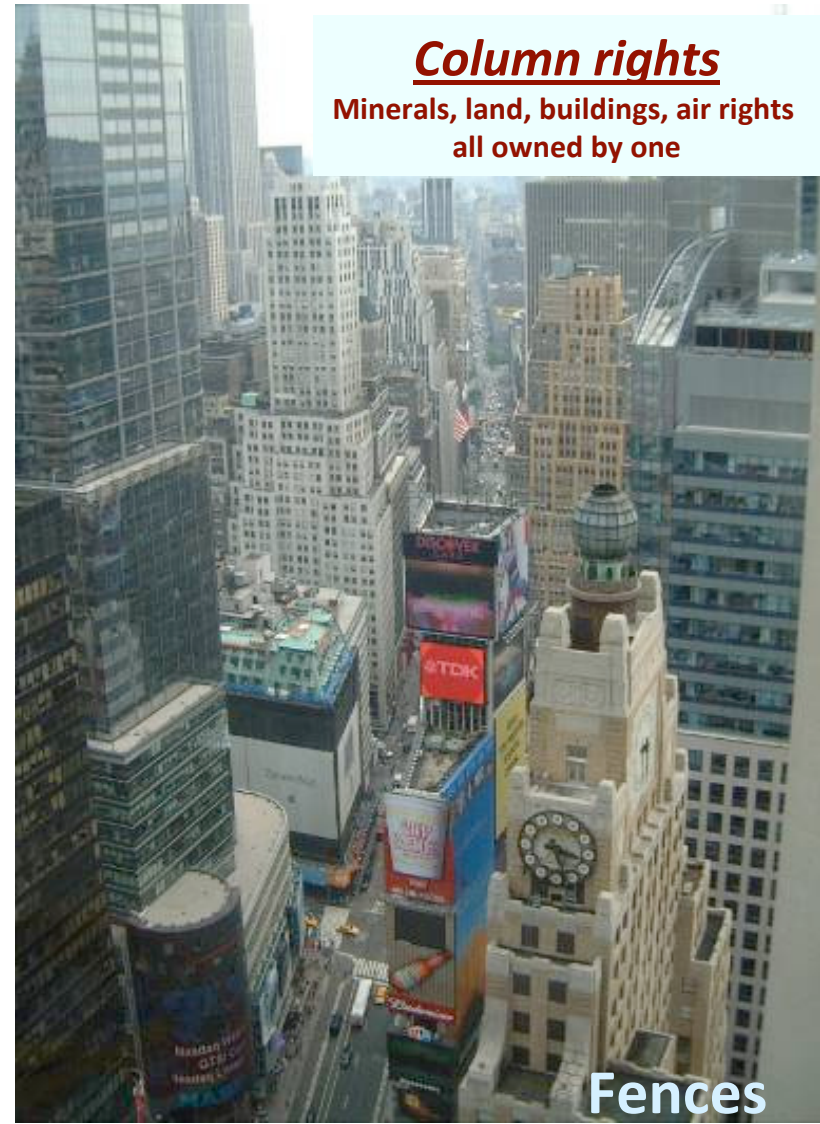
Mosaic rights

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



Column rights

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



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



Founding Barbet Sites, 2008

James Magode Ikuya
Molo, near Tororo, Uganda



Oby Obyerodhyambo,
Seme, near Kisumu, Kenya



Barbara Heinzen
Coordinator, London, UK



Rose Lyimo,
Morogoro, Tanzania



Sammy Muvelah,
Lukenya,
nr Nairobi, Kenya



Msichoke Seaweed Farmers
& Mwajuma Masaiganah,
in Mlingotini, Bagamoyo, Tanzania



**Barbet Learning
Confirmed Feb08**

Seme, near Kisumu, Kenya

Kenya



**Oby
Obyerodhyambo**

Co-author:
Barbets' Duet
Conceptual Framework
Family land,
community partnership



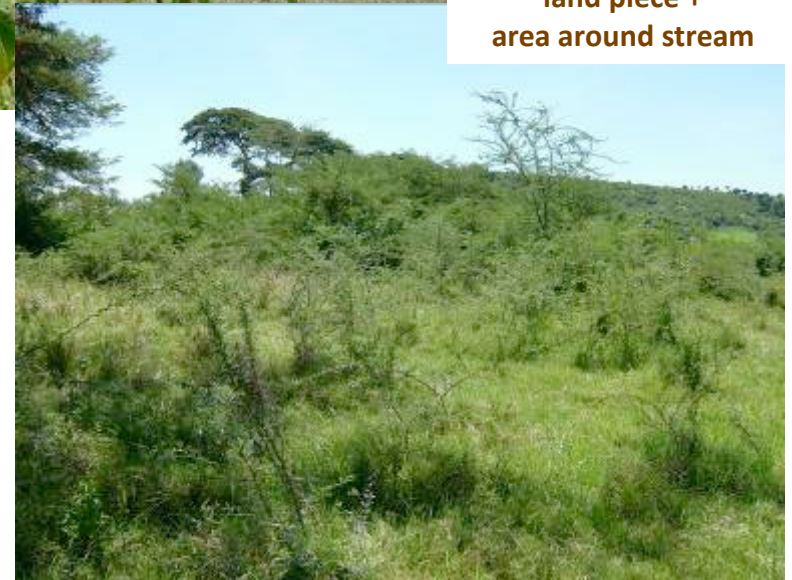
**Hilda
Adiambo**



**Lake Victoria
land piece +
area around stream**



**Tissue culture bananas
& nearby marshy
ground**



Barbet Learning Site
Confirmed Feb08

Lukenya, near Nairobi

Kenya



Sammy Muvelah

Fund manager,
Zimele Asset Mgt, Nairobi
Private land,
community partnership



Tree nursery



New vegetable crops



Water harvesting



Barbet Learning Site
Confirmed Feb08

Mlingotini, Bagamoyo

Msichoke Seaweed Farmers Cooperative



Chairwoman:
Kishindo Khamisi Mwenyekiti



Coastal waters
at Mlingotini
village

Tanzania

introduced



Mwajuma Masaiganah

Founder, Mwasama School, Bagamoyo
Coastal rural development
Resident of Mlingotini village



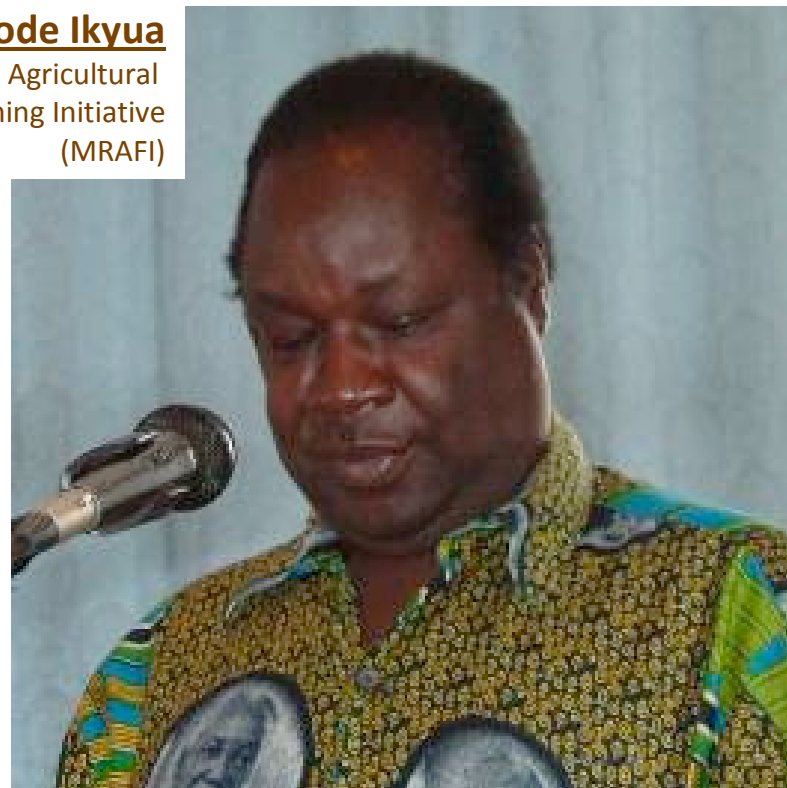
Barbet Learning Site
Confirmed Feb08

Molo, near Tororo

Uganda



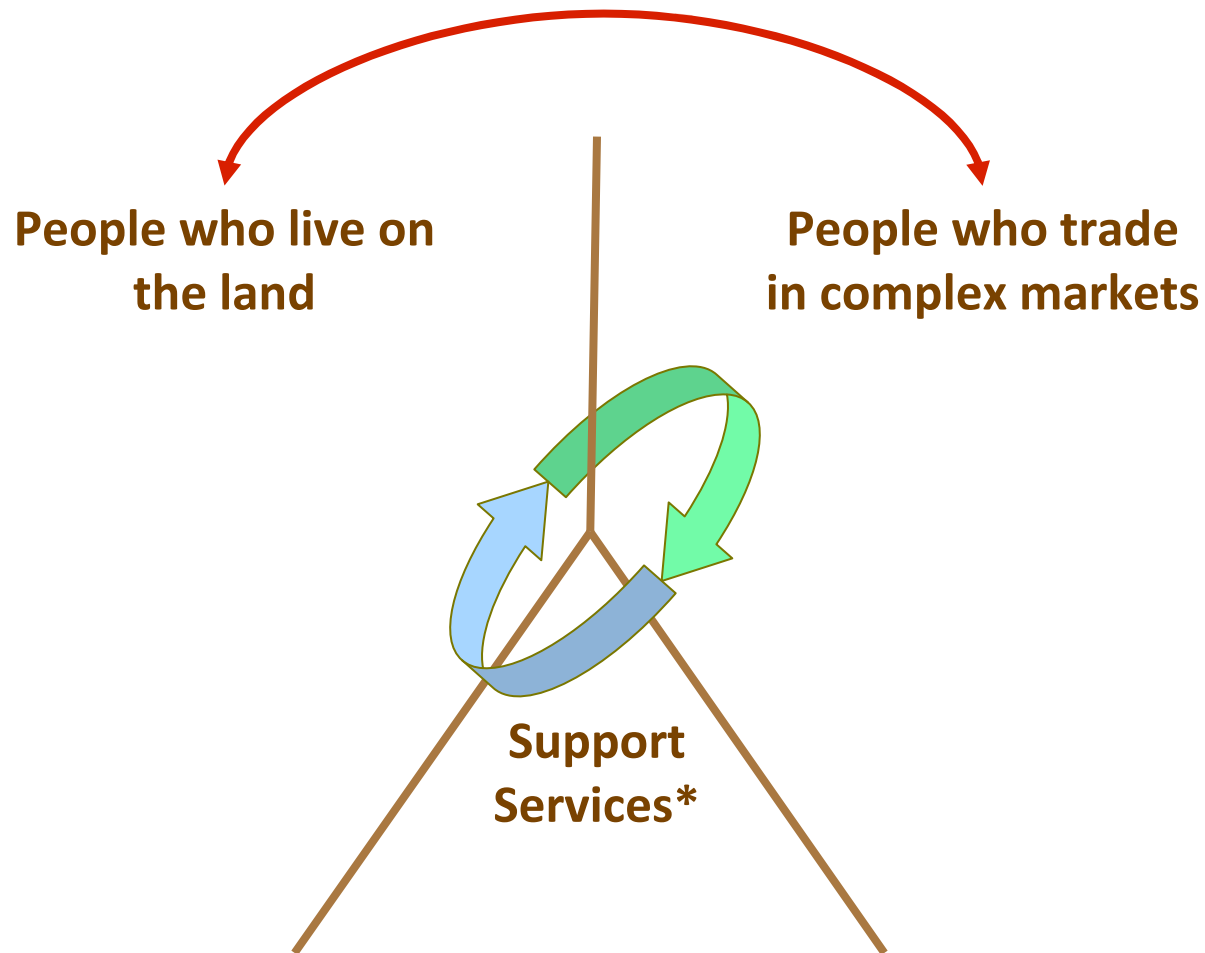
Magode Ikyua
Molo Rural Agricultural
Farming Initiative
(MRAFI)



No site photos
available as of 15
December 2008

Interest in
watershed &
swamp restoration
&
fish farming

Principal Relationship: People & Markets



e.g. environmental monitoring, finance, advertising, PR

Potential Markets

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

Invention Convention

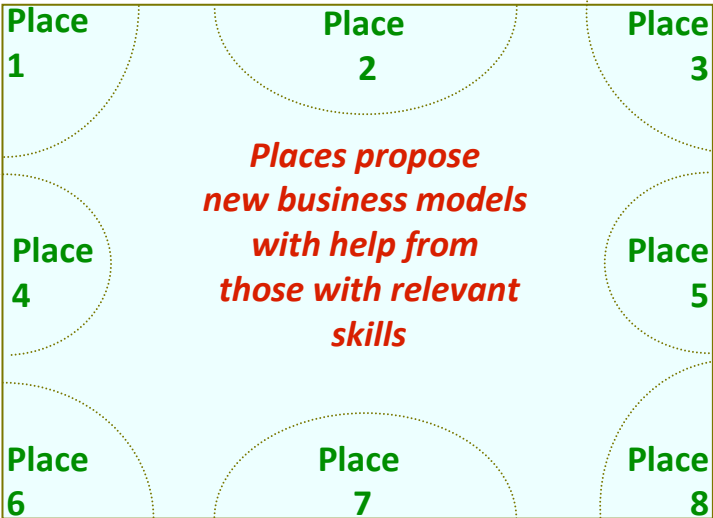
1. Places & Potentials



2. Essential Skills



3. Linking Sites & Skills



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*

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

Possible site

Small Sites, Big Ideas, Key Individuals

Zanzibar



Bring monkeys to the tourists ...



Ali Mwinyi

Director, Jozani Forest, Zanzibar



Possible partnership to landscape Kombo's Kizimkazi tourist site with coral rag forest, using Jozani Forest's knowledge

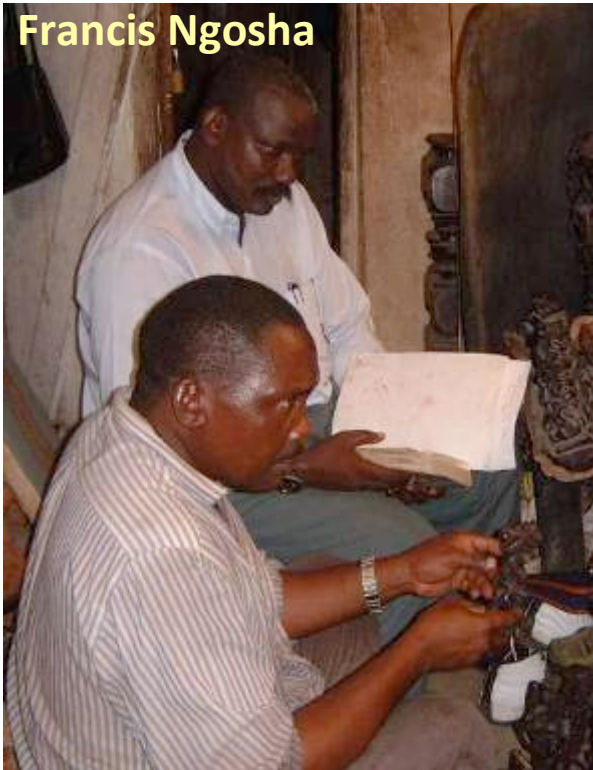
Mahmoud Kombo

Deputy Minister of Information, Culture & Sports
Businessman, Zanzibar
Tourist investment at Kizimkazi

Possible site

Small Sites, Big Ideas, Key Individuals

Francis Ngosha



Joseph Nyunga

Dealer & Wood Carver
Mwengi Carving Centre



Tanzania

introduced

Not shown

**Tanzanian Wood Carvers Association
Mwengi Carving Centre, Dar es Salaam**

Chairperson: Focus Senya

**Budget to plant 35 acres with trees for carving
2007 costs in T.Shillings**

work to be done

1.Preparing fire defencing road	4,000,000
2.Seeds planting space	6,000,000
3.3 water wells	1,500,000
4.Planting seeds	3,900,000
5.Tree planting	9,980,000
6.Keeping record and inspecting	700,000
7.Office expenses	5,010,000
8.education on environmental	7,900,000
TOTAL, in TZ shillings	22,990,000
	<i>less than £10,000</i>



Tanzania, Mar 2002*

Society for International Development
East African scenarios work
1997-2008

Kenya, Tanzania, Uganda, E, African region

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

* No digital photo of the Kenyan team, but many members are in the other photos.

Early English Lessons in Systemic Invention

E

Engagement

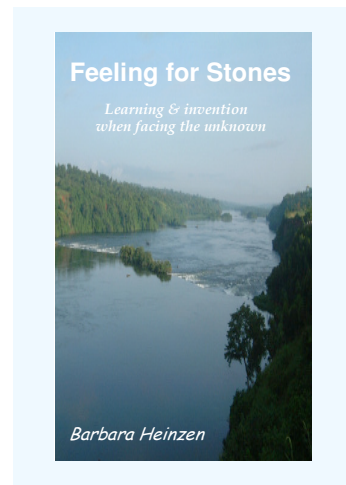
& aEsthetics

Experiment

& Education

Extremity

& NEcessity



Barbets Game

a tool for active learning

Test Players 2008-2009

Ruby & Billy Reid, London

Jones Family, Woodland Valley Farm, Cornwall

Kelly Brown & Susan Applegate, Alberta

Conoco Philips Canada, Alberta

Alberta Dept of Environment

Mwajuma Masaiganah, Eileen Burke, London

Delfabbro family, London

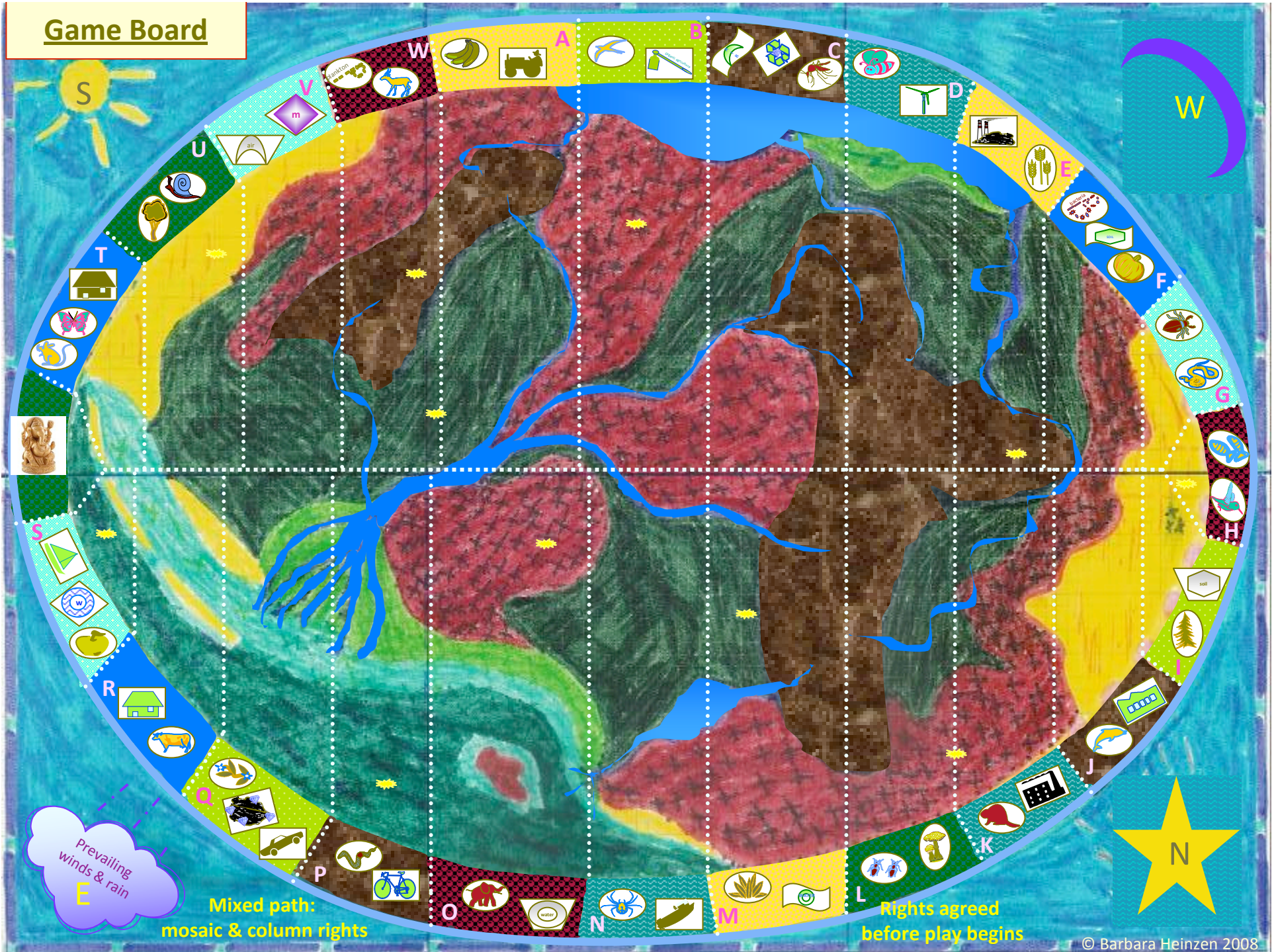
Oskar Eysers & Billy Reid, London

Obyerodhyambo family, Kenya

Nan Heinzen, Max Strizich & Joy Chiu, Albany, NY

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Game Board

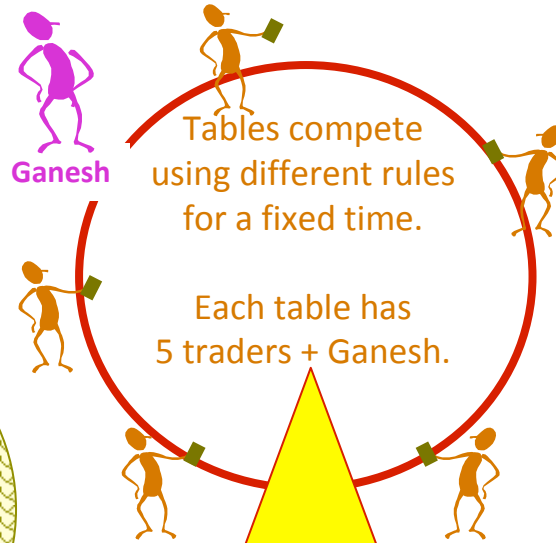


Prevailing winds & rain
E

Mixed path:
mosaic & column rights

Rights agreed
before play begins

The Competition



Mosaic rules

Column Rules

Winning Table has:

greatest biodiversity on landscape
+
greatest financial equity in team

Column Rules

Mosaic rules



Ganesh is

Constitution Keeper
*holds "Book of Laws"
adds amendments*

Banker

*Holds & distributes
cash & rights*

Supreme Court

settles disputes

Limits Officer

*Declares when natural
limits are reached*