

Barbets Duet

an experiment in systemic invention

Founding Partners

Barbara Heinzen

James Magode Ikuya

Chris Jones

Rose Lyimo

Mwajuma Masaiganah

Sammy Muvelah

Oby & Hilda Obyerodhyambo

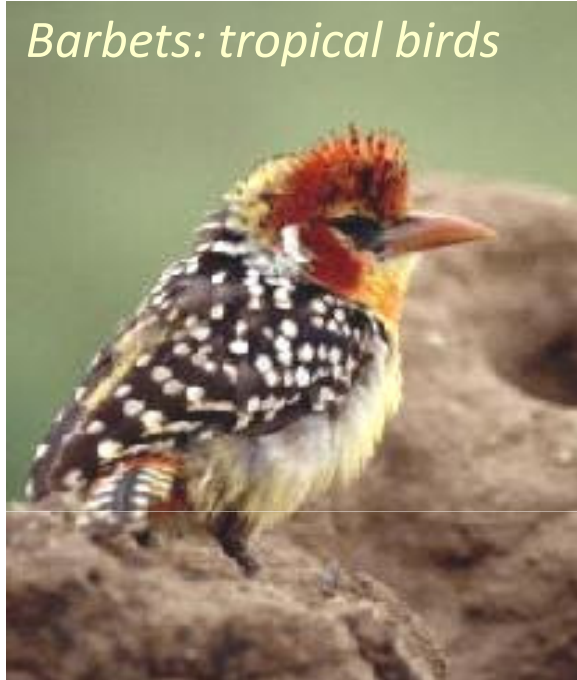
June 2011

www.barbaraheinzen.com → Barbets

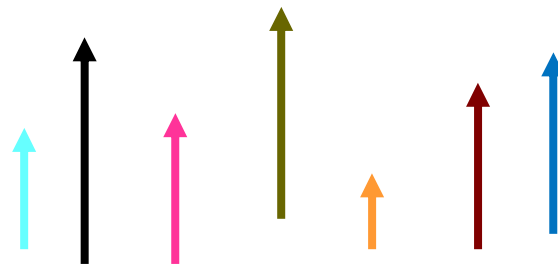
www.barbetsduet.com

Barbets Duet

A Business Idea, Not a Charity



(“It will take 20 years...”)



Barbet learning sites

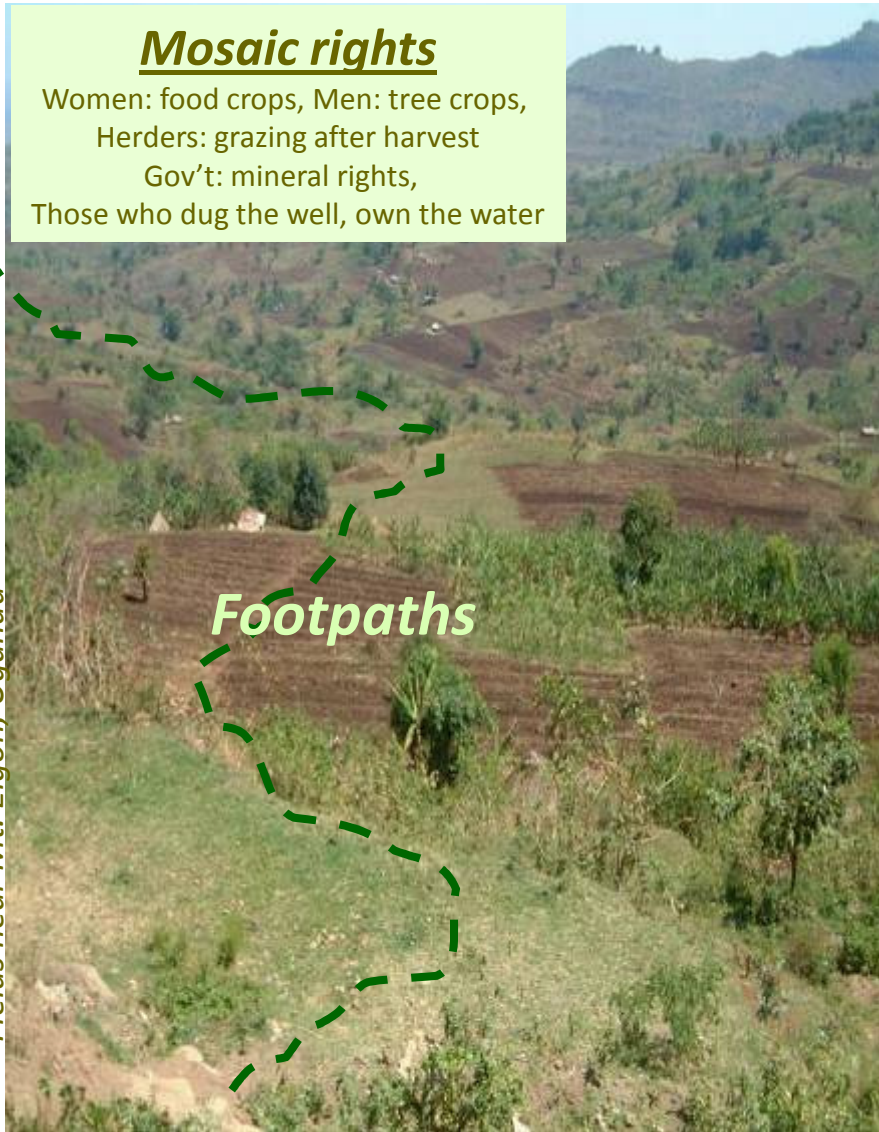
Two Cultures: Mosaic Rights & Column Rights

Mosaic rights

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

Footpaths

Fields near Mt. Elgon, Uganda

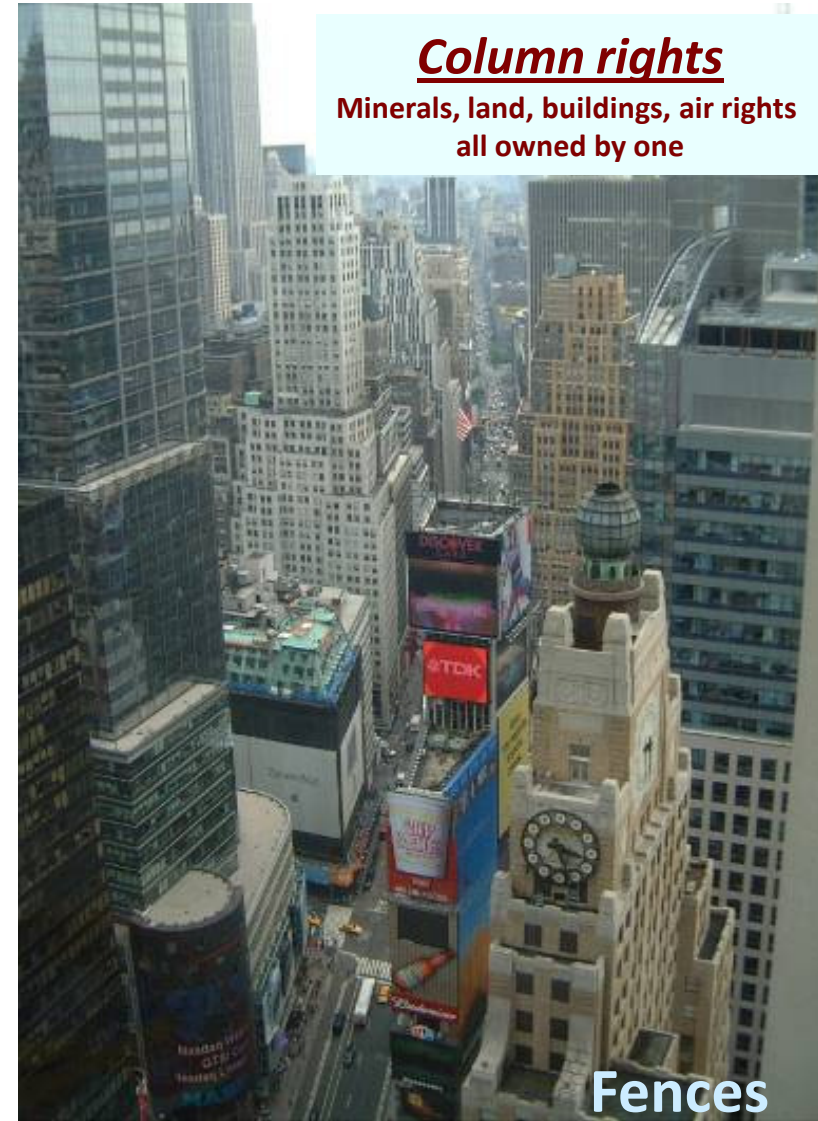


Column rights

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

Fences

Downtown NY, from Times Square



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



Partners & Sites, 2008-2010

experiments begun, conventions & cross-learning, self-financed

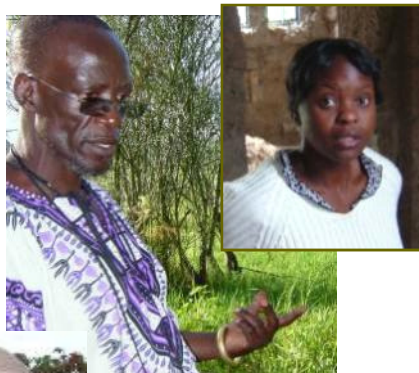
James Magode Ikuya
Molo, near Tororo, Uganda



Sammy Muvelah,
Lukenya,
nr Nairobi, Kenya



Oby & Hilda Obyerodhyambo,
Seme, near Kisumu, Kenya



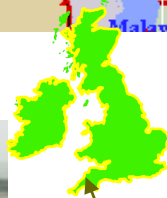
Msichoke Seaweed Farmers
& Mwajuma Masaiganah,
Mlingotini, Bagamoyo, Tanzania



Barbara Heinzen,
Coordinator, UK &
Hudson R. NY, USA



Chris Jones,
Woodland Valley
Farm, Cornwall, UK



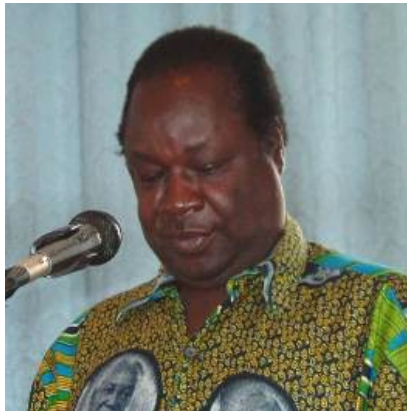
Rose Lyimo,
Rufiji, Tanzania
(proposed)



**Barbet Learning Site
Confirmed Feb08**



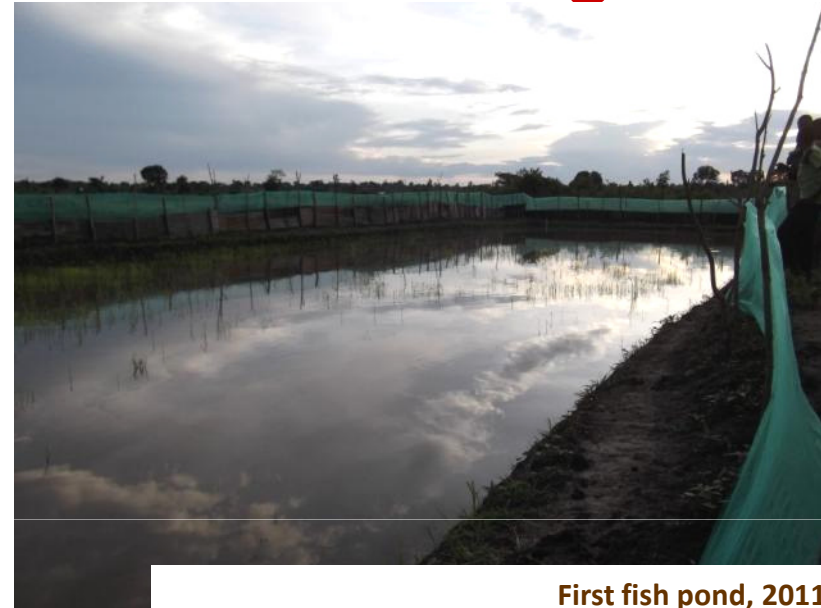
**Identification, protection & propagation
of useful trees;
Safari Convention, April 2011**



**Magode Ikyua
Writer,
businessman,
activist**

Molo, near Tororo

Uganda



**First fish pond, 2011
Molo Rural Agricultural Farming Initiative
(MRAFI)**

**Clan land: 21 km along Kanginima stream,
feeding Nile River, 2009**



**oil seeds for
cash cropping,
April 2011**

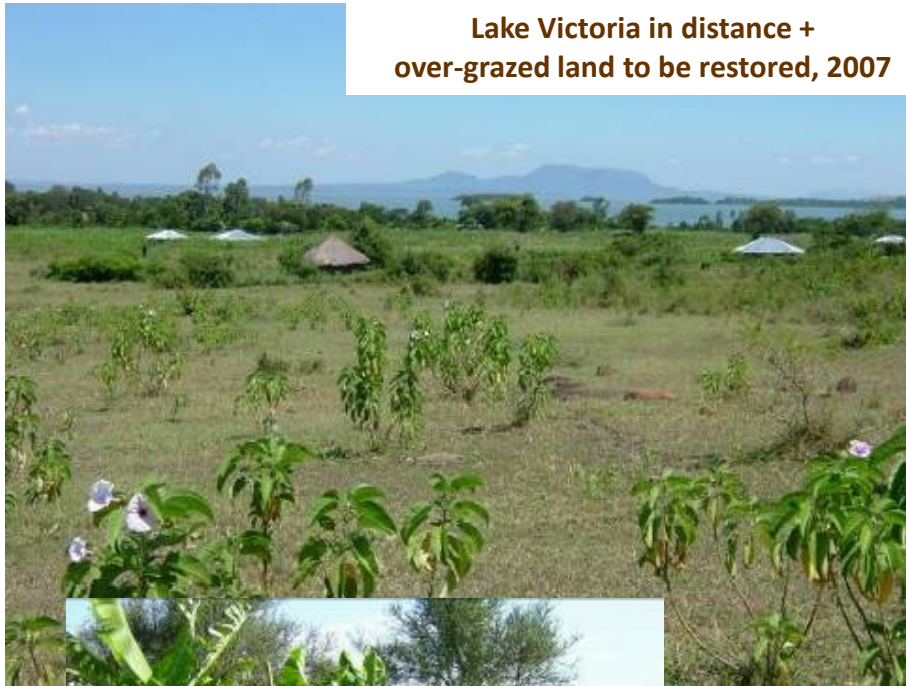


forest & swampland cleared in previous 12 years, 2009

**Barbet Learning
Confirmed Feb08**

Seme, near Kisumu, Kenya

Lake Victoria in distance +
over-grazed land to be restored, 2007



Tissue culture bananas, 2007

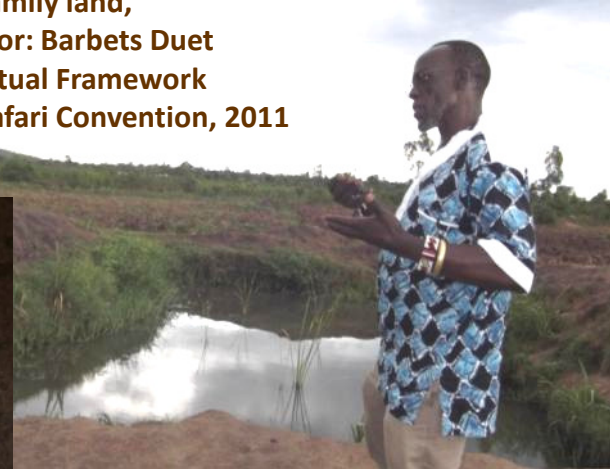
Oby Obyerodhyambo

Family land,
Co-author: Barbets Duet
Conceptual Framework
Photo from Safari Convention, 2011

Kenya



Hilda Adhiambo



Site activities:
Water harvesting,
tree planting, medicinal plants,
training young people,
new & traditional crops



Identifying traditional remedies,
April 2011



First planting of *siala*, 2011
(*markhamia lutea*) for
building materials & charcoal

**Barbet Learning Site
Confirmed Feb08**

Lukenya, near Nairobi

Kenya



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

Tree nursery



Moringa trees
dry season food
& fuel, 2011



Water harvesting – new dam April 2011



Mlingotini, Bagamovo **Tanzania**

Msichoke Seaweed Farmers Cooperative



Members of Msi Choke, 2007



Coastal waters & seaweed farm, Mlingotini, Tanzania, October 2009



Photo Godfrey Meena



Earth Day, Dar es Salaam, June 2011
Mama Kashindo with Guest of Honor,
Mr. Steven Nkondokaye,
Vice President's Office, Assistant Director,
Department of Environment

introduced



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

Mwjuma Mabewa & Machani Ali,
introducing Msi Choke at Seme, Kenya,
during Safari Convention, April 2011



**Barbet Learning Site
Proposed October 2009**

Ikwiriri, Rufiji **Tanzania**



**Rose Lyimo
Business woman,
Co-founder,
Akiba Commerical Bank,
Dar es Salaam**



**Lake, 12km long,
fed by
Rufiji River
Interest in tourism
Carbon markets, 2009**



**Barbet Learning Site
Confirmed October 09**



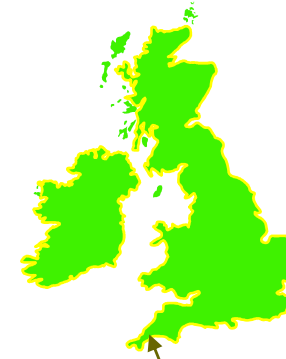
Chris Jones
Livestock farmer, forester,
nut & apple trees, Aug. 2010



Permanent organic pasture, August 2010

Ladock, Cornwall

England



WOODLAND VALLEY FARM

**Raising pasture-fed beef
Creating an Edible Woodland
Teaching ecology to school children**



Barbet Learning Site
Jan06 - July11

Wilmington Square, London

UK



A micro-site of plant pots
in Wilmington Square

An office in Gray's Inn for:
"Making our thinking familiar" to others &
searching for the right people to join the experiment



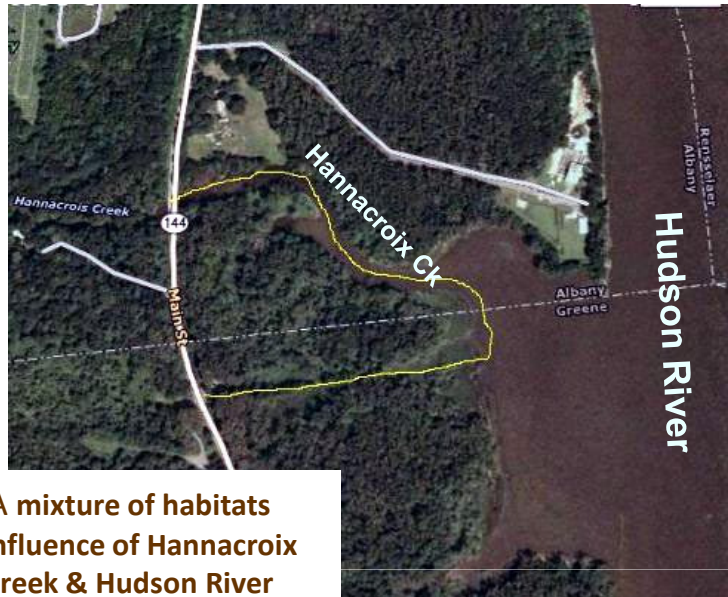
Barbara Heinzen

Independent scenario
planning practice;
co-author of
Barbets Duet
Conceptual Framework;
Author:
Feeling for Stones



Hannacroix Creek, New York

Barbet Learning Site
Confirmed May 10

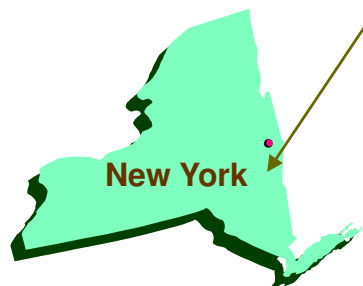


A mixture of habitats
confluence of Hannacroix
Creek & Hudson River



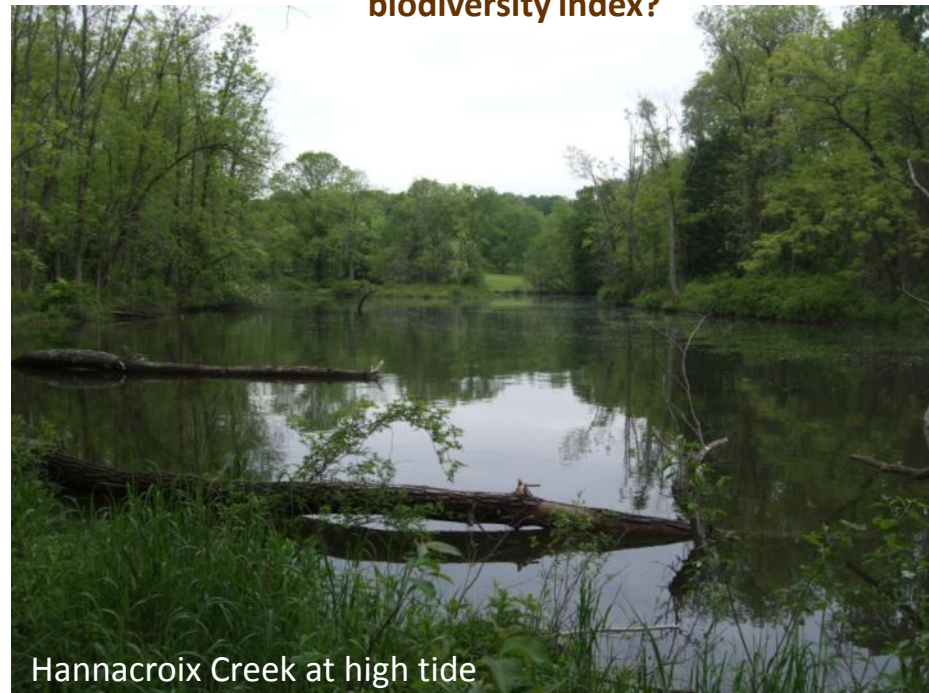
USA

Can we create a
simple tradable
biodiversity index?



Barbara Heinzen

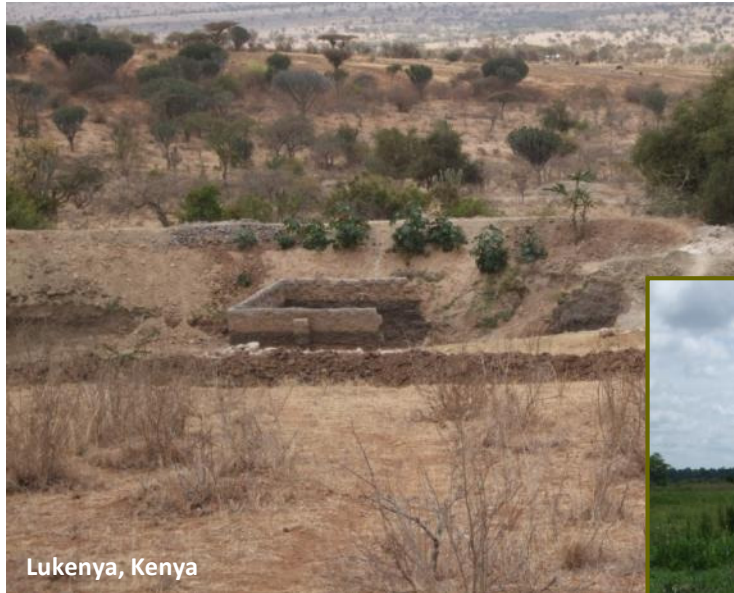
New owner of
a swamp forest on west
bank of Hudson River, at
Hannacroix Creek, New
York, USA



Hannacroix Creek at high tide

Diverse Ecologies →

→ Diverse Learning



Conventions & Cross-Visits



Invention Convention, Mlingotini, Tanzania - Oct. '09



Safari Convention, Molo, Uganda - April 2011

Oil seeds



Safari Convention, Seme, Kenya - April 2011



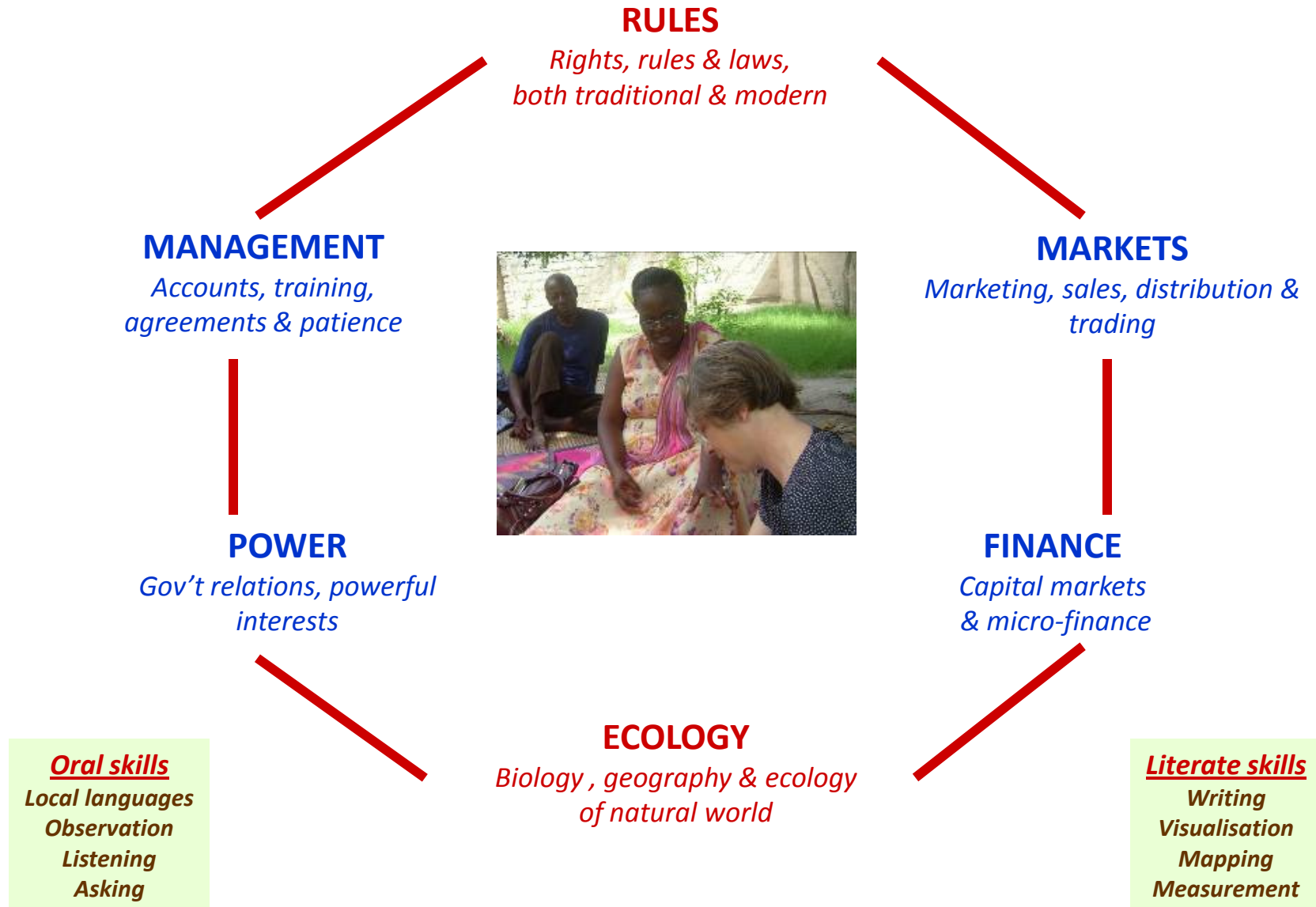
Woodland Valley Farm & Eden Project, UK, 2011

Useful Principles

Barbets Duet Working Assumptions	Initial Governance Principles	Establishing a Barbet Site
Multiple experiments & diverse sites → rapid learning	Each site evolves in its own way to its own conditions.	“Just Begin” With something that bears fruit quickly
Equity & engagement across knowledge, power & culture	There is value in coming together.	Barbet activity is consistent with its site
Give & gain: Everyone has something to give & something to gain.	In coming together, all have a stake and all share responsibility.	Shape environmental ambitions around immediate needs.
Mosaic Rights → support environmental goals.		Learning by demonstration
		Thinking step by step; one thing follows on another
		Follow the path of least resistance; start with what is most possible.
		Utu Net Benefits

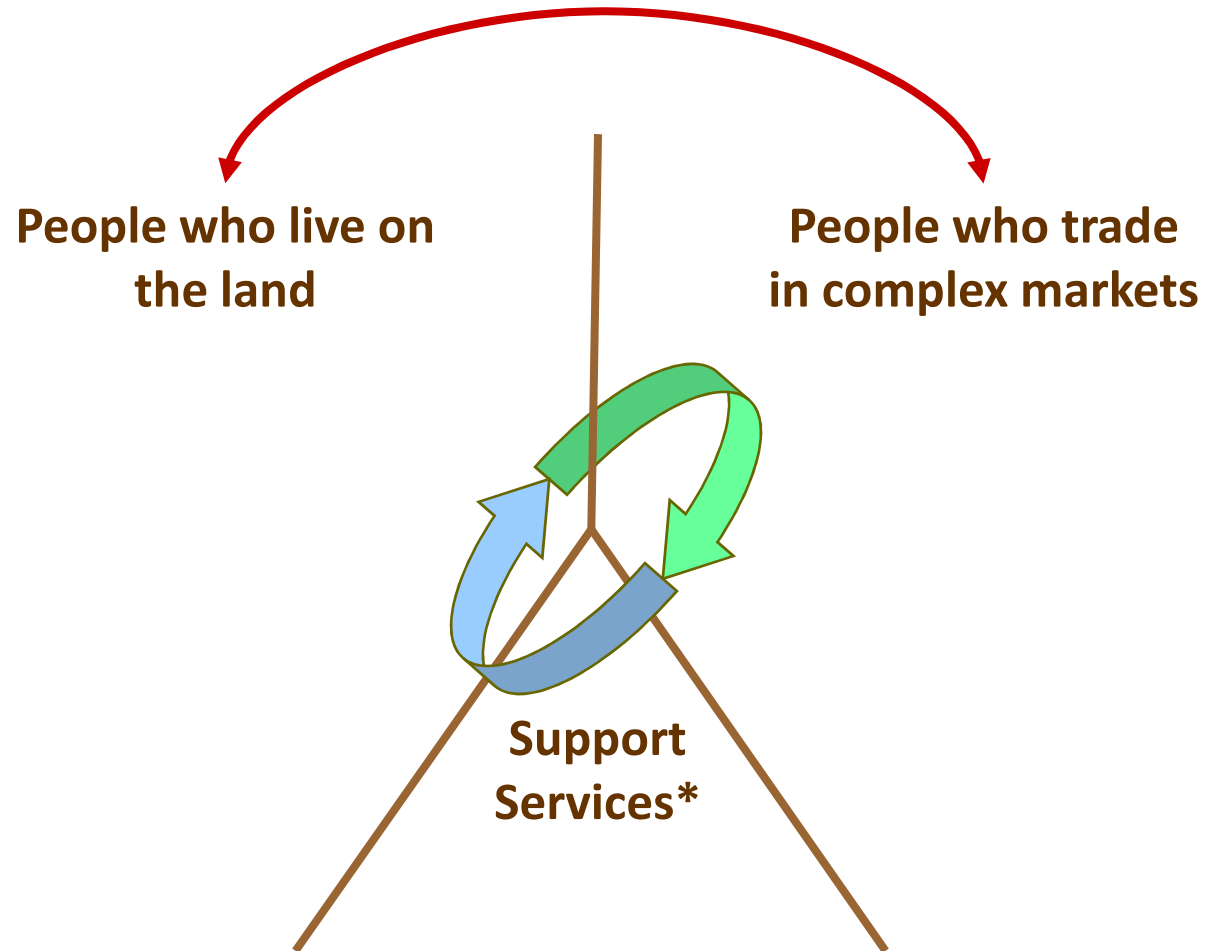
*“Rather than asking
how can Lukenya
support a Friesian cow,
I ask:
what can Lukenya support?”*
Sammy MuveLah, ‘10

Necessary Knowledge & Experience



<p><u>POTENTIAL MARKETS</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; biofuels</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 & domestic <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 or bad weather</p>	<ul style="list-style-type: none"> • Woodlots & grasses • Medicinal plants • Diverse food supply • 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
<p>Learning & Advisory Services Practical land management & business, Integrating income & environ’tal restoration, Managing experiments & systemic invention</p>	<ul style="list-style-type: none"> • Barbets Game • local field guides • ‘How-to’ manuals 	<ul style="list-style-type: none"> • Visitor Centres (c.f. Eden Project) • Advice on environment/economics integration • Working stays at sites

Principal Relationship: People & Markets



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

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



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.

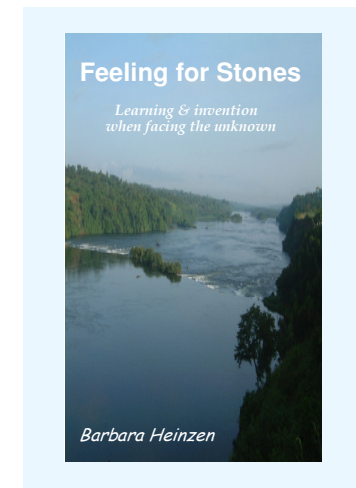
Early English Lessons in Systemic Invention

E

Engagement
& aEsthetics

Experiment
& Education

Extremity
& NEcessity



Potential Sites in Canada

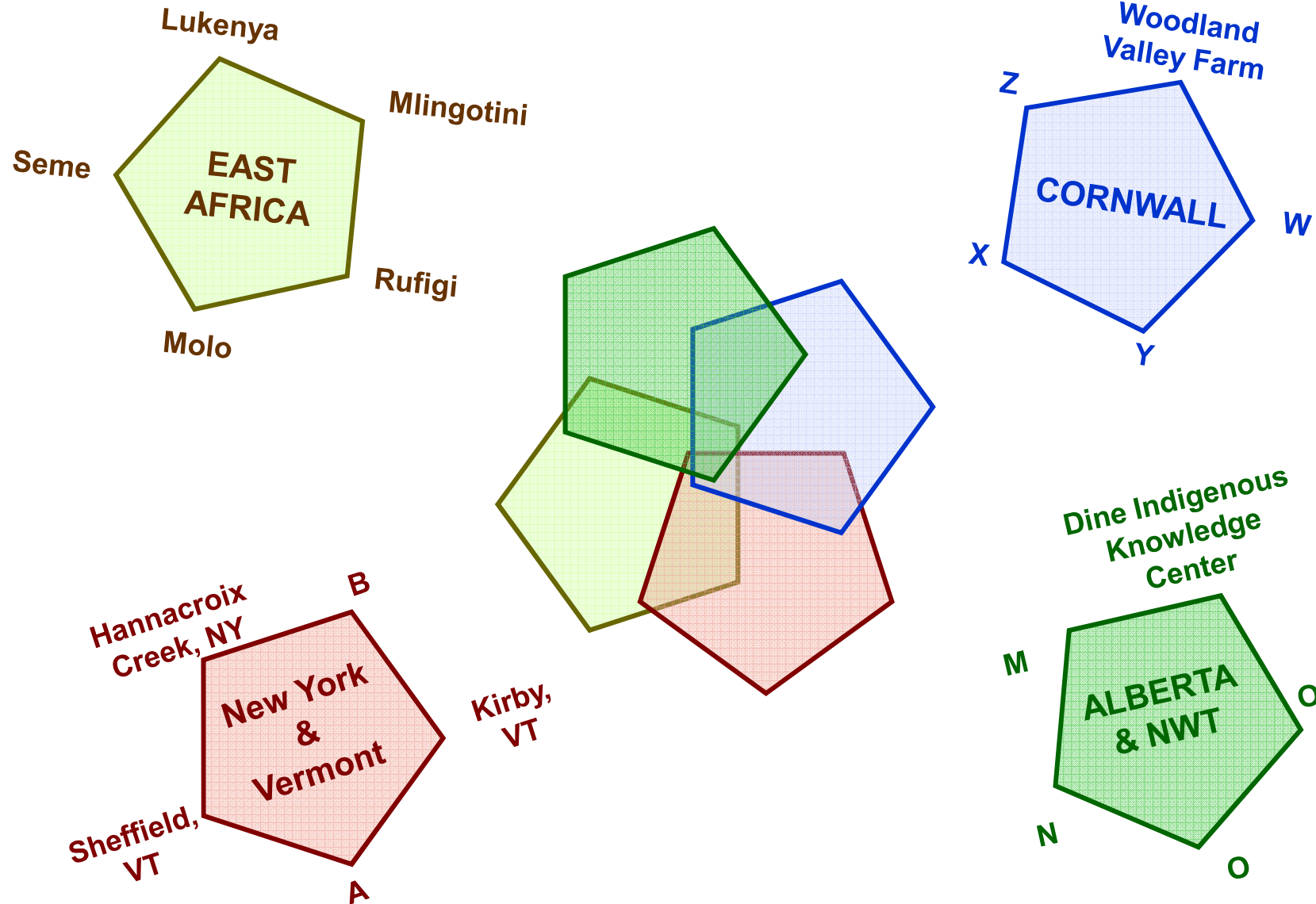


The Barbets Duet idea has been tested with various audiences in Alberta, Canada.

Academics, environmentalists, business people and farmers have expressed interest in having Barbet Learning Sites in Canada.



A Tangle of Pentangles?



The Barbets Game

Learning tool



Prevailing winds & rain
E

Mixed path:
mosaic & column rights

