IPSI Case Study Summary Sheet

Basic Information

Title of case study Perceptions of resilience, collective action and natural resources management in socio-ecological production landscapes in East Africa Submitting IPSI member organization(s) Bioversity International

Other contributing organization(s) (IPSI members and/or non-members)

National Museums of Kenya; Arizona State University; National Agricultural Research Organization; Graduate Program in Ecology and Biodiversity; São Paulo State University (UNESP)

Author(s) and affiliation(s)

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Museums of Kenya), Yamini Jha (Arizona State University), Gloria Otieno (Bioversity International), Rose Nankya (Bioversity						
International), Richard Ogwal, Bruno Leles (São Paulo State University), Michael Halewood (Bioversity International)						
Format of case study (manuscript or audiovisual)	Manuscript	Language	English			
Keywords						
Climate change, natural resources management, socio-ecological production landscapes, biodiversity,						
perceptions of resilience						
Date of submission (or update, if this is an update of	f an existing case study)	30 October 2018				
Web link (of the case study or lead organization if available for more information)	https://www.bioversityinternational.org/					

Geographical Information

Country (where site(s) or activities described in the case study are located – can be multiple, or even "global")							
Uganda, 1	anzania						
Location(s) (within t	he country or cou	ntries – lea	ve blank if specific locatio	n(s) cann	ot be identified)	
Central Re	egion, Ug	ganda; Tanga F	legion, Ta	anzania			
Longitude	e/latitude	e or Google Ma	aps link <i>(ij</i>	f location is identified)			
-0.716666	57,31.4 (Uganda); -4.79	86111,38	8.2880891 (Tanzania)	https:	//www.google.com/n	naps/@-
4.798611	1,38.288	0891,6z					
Ecosyster	n(s)						
Forest	Х	Grassland		Agricultural	х	In-land water	Coastal
Dryland		Mountain	х	Urban/peri-urban		Other (Please specify)	
Socioeconomic and environmental characteristics of the area							
The study was carried out in Yamba and Kwang'wenda, two representative villages of the Lushoto district of the Tanga							
region in Tanzania, and in Kiganda and Gosola, two villages of the Rakai district in the Kyovu Parish, in Lwanda Sub-county							
of Uganda. Rakai and Lushoto are ecologically similar in many aspects. The Sambaa, the dominant tribe in Lushoto, and the							
Baganda tribe of Rakai are predominantly farmers, with livestock keeping in both cases as a minor occupation.							
Description of human-nature interactions in the area							
Yamba is representative of forest-edge villages with high resource diversity. Around the center of Yamba village, the							
population density is high, and the land is highly cultivated. Kwang'wenda is representative of villages with relatively fewer							
resources and with little or no influence on forests. Kiganda and Gosola, in Rakai, are located on the inland part of the							
western shores of Lake Victoria, Southern Uganda, and share a similar nearly flat landscape interspersed by small hills,							
forming two highly cultivated landscapes, separated by a straight distance of about five kilometers.							

Contents

			04/2014 10/2014			
Status ("ongoing" or "completed")	Completed	Period (MM/YY to MM/YY)	04/2014 - 10/2014			
Rationale (why activities or policies de	escribed, or information share	d in the case study are needed)				
As climatic events become more severe, well-managed ecosystems such as forests or wetlands can buffer many flood and						
tidal events, landslides and storms.	However, many of the SEP	LS that integrate these ecosystems a	are comprised by so-			
called "common-pool natural resources", including forests, pastures, water systems, fisheries and biodiversity. Natural						
unsustainable agricultural and range	a by a number of factors st	ich as population pressure, expansio	in of agriculture and			
Objectives (apple of activities or polic	ias described, or of producing	the case study)				
Identifying local perceptions regard	ing (a) the contribution of	natural resources to local farmers' liv	veliboods and how			
farmers in turn contribute to the c	onservation and sustainab	le use of these natural resources (b)	landscape threats and			
resilience, and (c) major causes of t	he identified threats and p	ossible local solutions for mitigating	them, in four study sites			
located in Uganda and Tanzania.						
Activities and/or practices employed	d					
A series of participatory exercises a	iming at elucidating the rar	nge of perceptions of landscape resil	ience in the four			
communities were held in May and	October 2014. The particip	pants of each community were ident	ified by a local			
coordinator and gathered at a centr	al location in the village fo	r focus group discussions. In addition	n, Social network data			
was collected through personal inte	erviews to identify social tie	es. Two surveys were conducted: a h	ousehold survey, and a			
meso-level expert survey. The surve	eys were designed to explo	re farmers' communication with exp	erts and other farmers			
as well and recorded data on farme	rs' access to and participat	ion in sustainable natural resources	management and their			
perceptions about related policies.						
Results						
The four studied communities share	ed similar concerns about t	he decrease in accessibility to the na	atural resources and, as			
a result, to about their increasing de	ependence on the market.	Only one of the communities preser	nted a relatively high			
level of confidence in their landscap	e and considered that its s	tatus would improve in the future. I	n the four communities			
there was very little communication	n among farmers and the co	ooperation between farmers and loc	cal and district			
stakeholders was rather limited. Fai	mers did not seek much in	formation concerning conservation	and use of natural			
resources and very few of them we	re aware of the existence of found to be existence of the	of government programs regulating r	tural resources			
Inanagement. The study sites were			lurar resources.			
Lessons learned (factors in success of	or failure, chailenges and oppo	of the four communities, on found t	the evictoria of only			
weak local collective action initiative	isting among the members	of the four communities, ee found t	Procumphly the			
widespread feeling of lack of control	l over the natural resource	as of the studied communities toget	her with the particular			
institutional settings and the absence of local initiatives, have contributed to a situation in which natural resources are						
under threat subject to overharvesting land conversion and underinvestment						
Key messages						
The creation of spaces for informed	public discussion aimed a	t making the institutional context m	ore favourable for the			
creation and coordination of comm	unity groups and at enhand	cing their interaction, would contribu	ute to a wider			
movement of knowledge and social	exchange. This, in turn, co	uld ultimately result in the creation	of local initiatives aimed			
at the conservation of natural resou	irces.					
	es (if the case study is related	to any other IPSI collaborative activities	s, case studies, etc.)			
Relationship to other IPSI activiti						
This case study originally appeared	in the Satovama Initiative 1	Thematic Review v. 4.				
This case study originally appeared	in the Satoyama Initiative T	Thematic Review v. 4.				
This case study originally appeared Funding (any relevant information about the authors are grateful to CCAES for	in the Satoyama Initiative T out funding of activities or pro-	Thematic Review v. 4. <i>jects described in the case study)</i>				

Contributions to Global Agendas

CBD Aichi Biodiversity Targets (<u>https://www.cbd.int/sp/targets/</u>)

The table below shows based on the self-evaluation by author(s). \bullet and \blacksquare indicates the "direct" or "indirect" contributions to the CBD's Aichi Biodiversity Targets respectively to which the work described in this case study contributes to.

Strategic Goal A			Strategic Goal B						
			G	=7		1	R.	<mark>ير</mark>	.
Strategic Goal C Str			ategic Goal D Strategic Goal E						
								•	
11	12		14	5	26		18	2	

UN Sustainable Development Goals (SDGs) (<u>https://sustainabledevelopment.un.org/sdgs</u>)

The table below shows based on the self-evaluation by author(s). \bullet and \blacksquare indicates the "direct" or "indirect" contributions to the SDGs respectively to which the work described in this case study contributes to.

