



IAIA 21

VIRTUAL EVENT

#iaia21

Action for sustainability through community-based environmental assessment

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Why does environmental impact assessment (EIA) matter?



Private dam 'leaked' before it burst killing 48 in night horror

Witnesses say a wall built on high ground plunged down the dark canyon.

By Steve Mwaniki

Almost from the start, Patel Dam seemed prone to leaks, just small ones, nothing too serious. Even villagers in the farms downstream used to joke that "one year later the dam doesn't break". The dam, with 200,000 cubic metres capacity located at the farm of a professional farmer Masoudi Patel in Solai, Nakuru County, was constructed to supply water for irrigation in their horticulture and livestock farming venture, spanning decades.

Patel seems to have carefully

devised and built a part. According to witnesses, a wall of the dam built on high ground plunged down the dark canyon, sweeping homes, cars, and a bus into a "massive" sleeping village.

The floodwaters and tumbling debris hit the Nyakaya village at high speed, then followed the massive destruction of homes at the neighbouring Energy village, washing away homes - some of them permanent structures, as it sped in the dark.

Little is known about Patel, the owner of the dam that killed more than 48 people in Solai, Nakuru County, on Wednesday night.

Not quiet man

Those who have interacted with him say he is a reserved person, nice and quiet.

According to residents of

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According to residents of

Team Shocked As Most Water Projects In Marsabit Do Not Have Permits

KNA March 20, 2019 Marsabit

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ENVIRONMENT

EIA 2020: Public consultation without informing the public?

The government's refusal to make the draft Environmental Impact Assessment accessible in regional languages is a violation of the fundamental rights of Indians and also a violation of India's international obligations

Community-based environmental assessment (CBEA)



Next generation EIA

Fulfilling the Promise: Basic Components of Next Generation Environmental Assessment

*Robert B. Gibson, Meinhard Doelle & A. John Sinclair**



Federal Environmental Assessment Reform Summit

Proceedings

Anna Johnston, Staff Counsel, West Coast Environmental Law
August 2016

Research purpose

To develop a framework for CBEA that incorporates key next generation EIA principles including sustainability, meaningful public participation, follow-up and monitoring, and learning and examine the potential of the framework.

Research methods

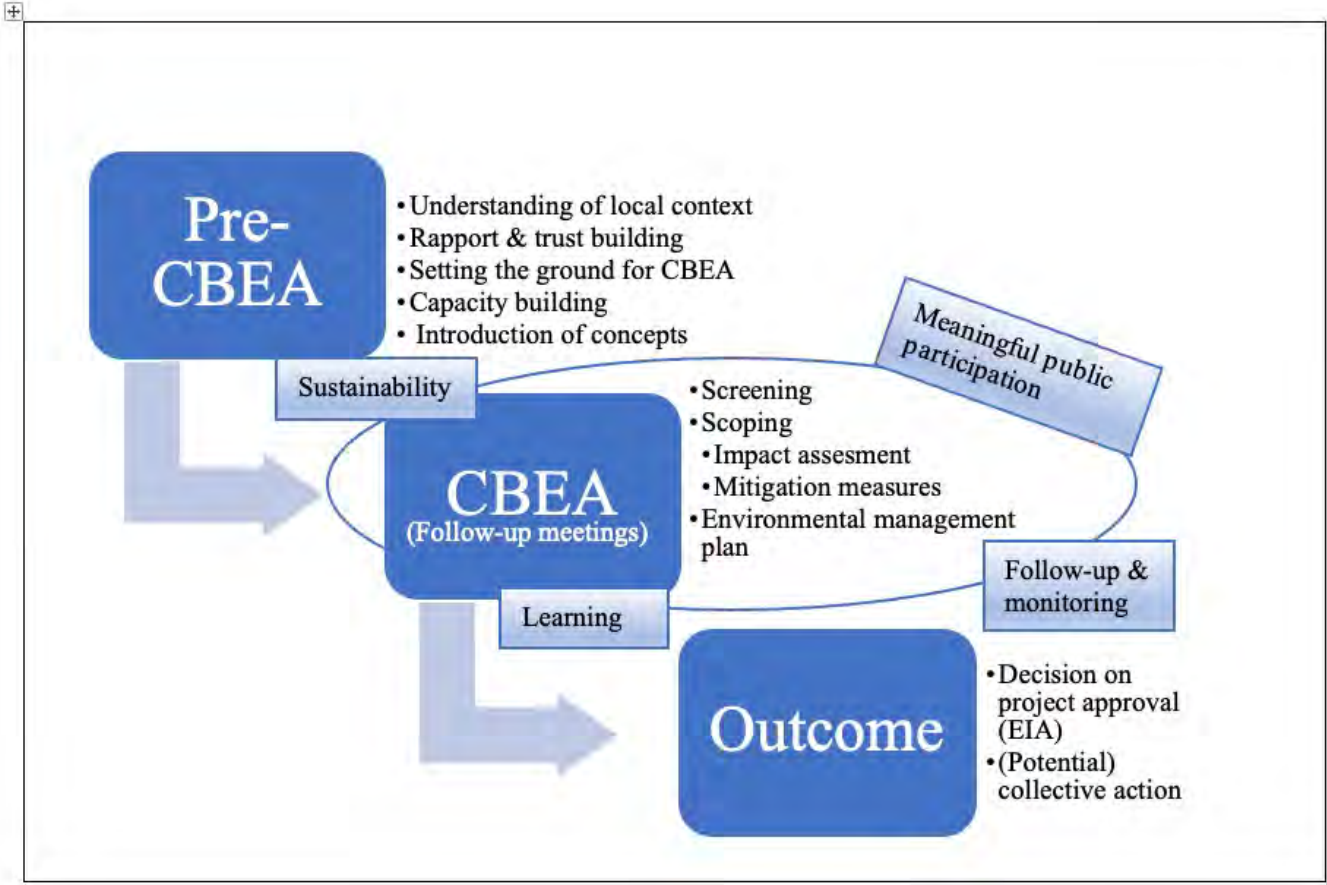
Phase 1

- Analysis of current CBEA practices in Africa to understand the recent developments
- Development of a next generation CBEA framework

Phase 2

- Examination of the potential of the next generation CBEA framework
 - Pre-CBEA phase
 - CBEA phase
- Identification and documentation of various barriers and enablers

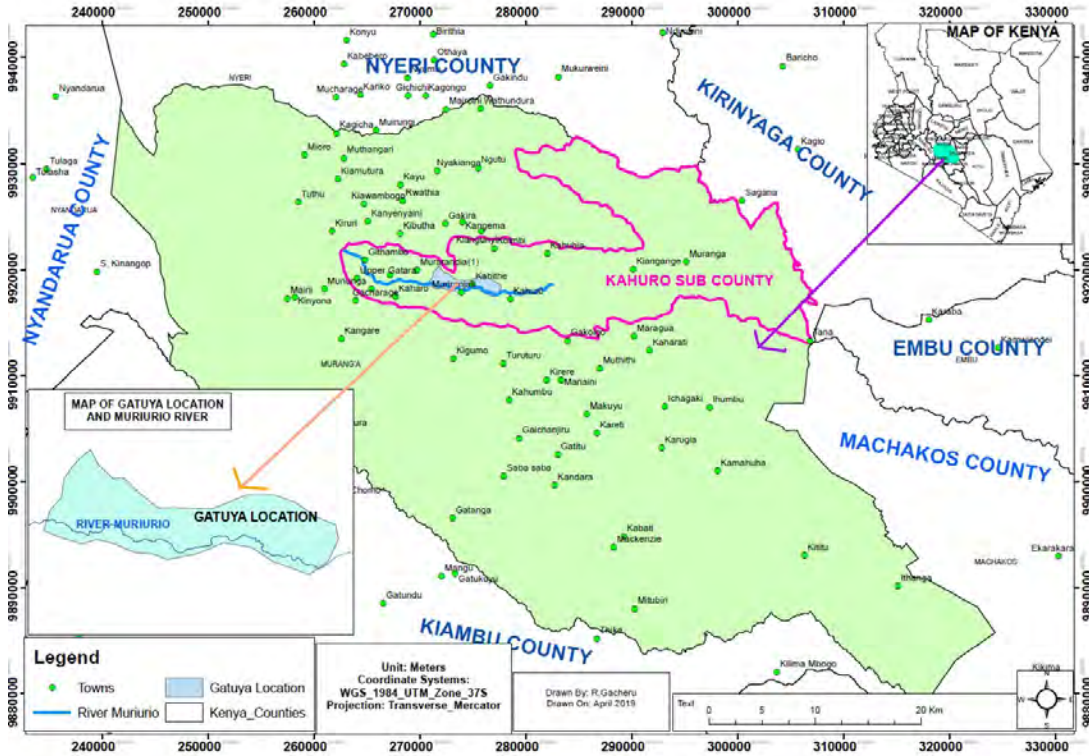
The architecture of the next generation CBEA



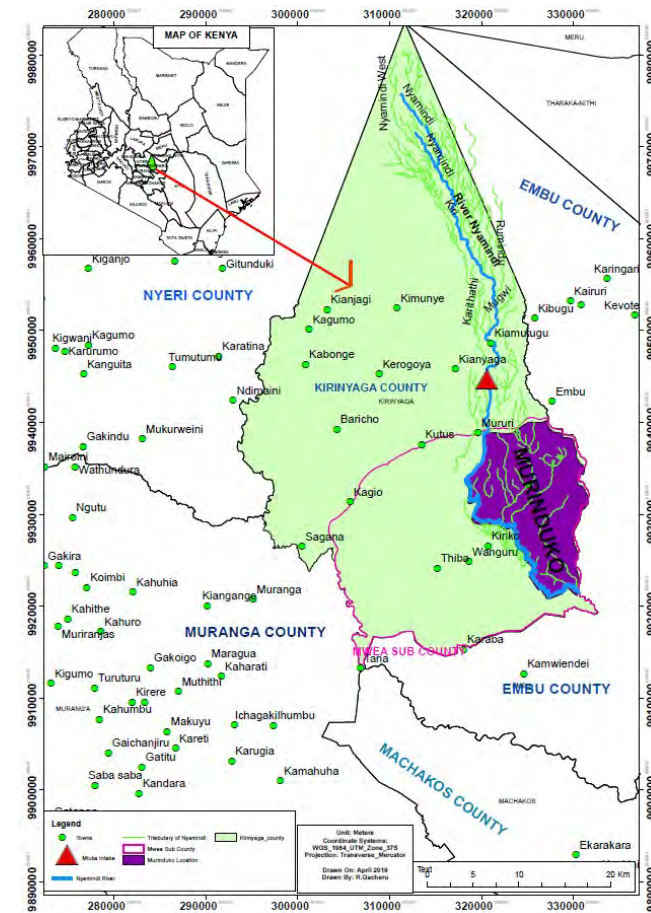
Sustainability criteria in next generation CBEA

- Consideration of local context
- Consideration of project alternatives
- (Avoidance) of trade-offs
- Interconnectedness
- Generic criteria of sustainability (as a complete package)

Phase two: Selection of case studies

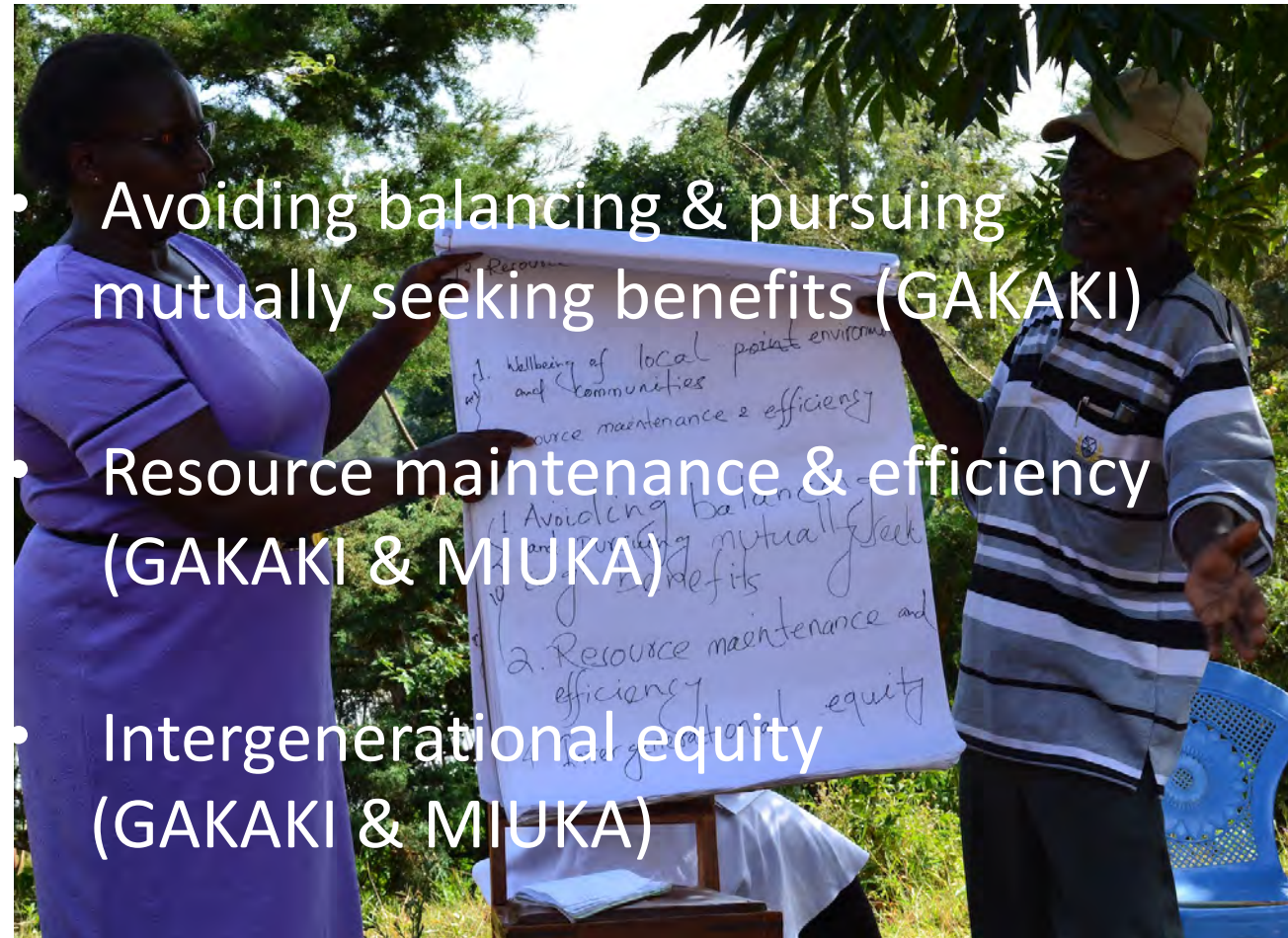


GAKAKI small-scale irrigation water project, Murang'a



MIUKA Irrigation water project, Kirinyaga

Pre-CBEA phase: Defining sustainability in local terms



CBEA phase: Screening



- Consideration of the local environment
 - Identified most-valued ecosystem components:
 - Environmental: Water
 - Social: health
 - Economic : livelihood
- Consideration of Project alternatives
 - Boreholes
 - Rainwater harvesting

CBEA phase: Scoping

Examination of potential project impacts

- Avoidance of trade-offs
- Interconnectedness

Development of mitigation measures

- From sustainability lens



Research findings

Enablers

- Consideration of local context
- Consideration of project alternatives
- (Avoidance) of trade-offs
- Integration of interconnectedness

Barriers

- Integration of the generic criteria of sustainability as a complete package



Acknowledgement

- GAKAKI & MIUKA Projects (Proponents)
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- Key informants
- National Environment Management Authority (NEMA, Nairobi)
- Catholic University of Eastern Africa (CUEA)
- Dr. Frida Mutui (Local supervisor, CUEA)
- Committee members (University of Manitoba)

Asante!!!



Let's continue the conversation!

Post questions and comments via chat in the IAIA21 platform.



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