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Panel 4 Paper 4.2: Resiliency of rural socio-ecological landscapes: Case study of the Black Volta and Weto Landscapes of Ghana

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Empowered lives. Resilient nations.



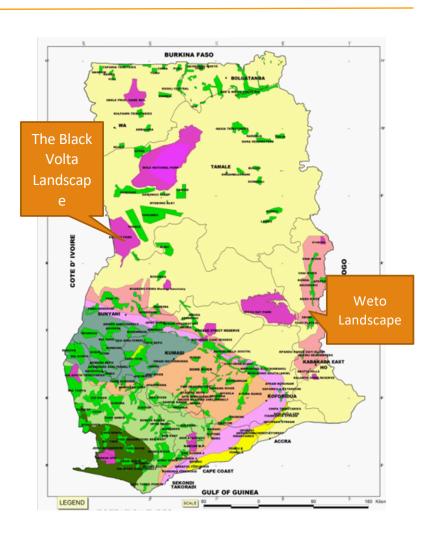
RESILIENCY OF RURAL SOCIO-ECOLOGICAL PRODUCTION LANDSCAPES: THE CASE OF WETO AND THE BLACK VOLTA LANDSCAPES OF GHANA.

Dr. George B. Ortsin

Purpose of presentation SGP Small Grants Programme

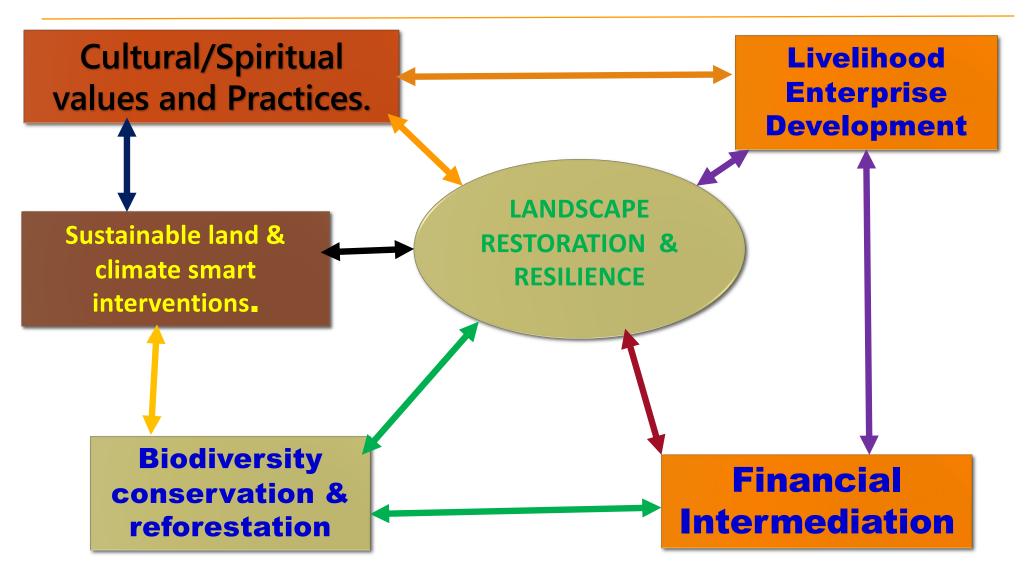


- I) Share experiences in restoring socio-ecological production landscapes for resilient livelihood in Ghana
- 2) Discuss the methodologies and challenges in landscape approach.
- 3) Discuss new paradigm shifts in landscape management approach



Conceptual framework for landscape resilience management









Ecosystem services

Natural assets of the landscape

Production systems

Culture, food security, markets, tenure systems,

Why Resilience?

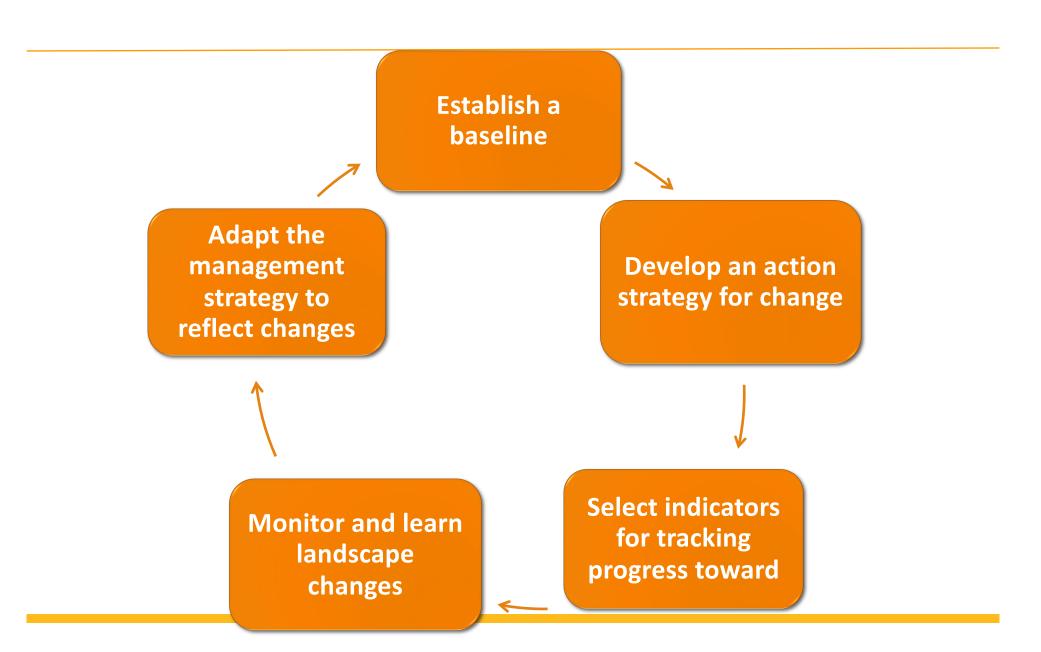


- To maintain, revitalize and rebuild socio-economic production landscapes in era of climate change and challenges for food security and environmental sustainability.
- •To develop the capacities of the rural households, communities and systems to mitigate, adapt and recover from climate change shocks and stresses, thereby reducing chronic vulnerability for inclusive growth and learning.
- To create resilience practices that further wellbeing, whilst providing support to key ecosystem functions and biodiversity conservation.



Steps in resilient adaptive collaborative management





Outcome of landscape Level interventions



Community Empowerment

- Positive attitudinal change towards the sustainable management of natural resources.
- Increased capacity of small producers to adopt climate smart/resilient farming.
- Access to new technologies.
- Involvement of local communities in preserving ecosystems and their services.
- Women empowerment in decision making and economic investments





Arable land under sustainable management



- Fire volunteers Squads trained and equipped for fire management.
- Farmers and farm families adopt climate smart farming and sustainable land management system.
- Communities operate tree nurseries to produce and supply seedlings year round.
- Soil fertility enhanced
- Organic/conservation agriculture adopted at landscape level.





Livelihood enterprise development

SGP The GEF Small Grants Programme 25

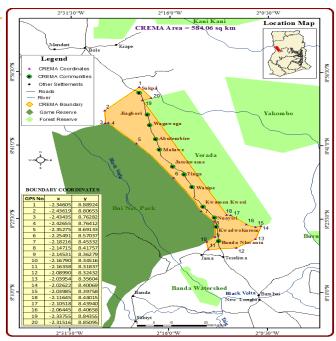
- Processing and packaging of natural resource products on commercial basis.
- Introduction of eco-labelling commercial woodfuel production.
- Financial intermediation via village savings and credit rotation schemes.
- Integrated small ruminant rearing and apiculture.







- Forest/woodlands under sustainable management
- Protection of sacred landscapes and creation of CREMA.
- Incorporating indigenous seedlings on farms
- Introduction of new exotic species (eg. bamboo cultivation)
- Conservation of wildlife including Hippos and elephants





Emerging resilient integrated landscape management approach



- ☐ A new management approach within the concept of an integrated approach to managing dynamic mosaic landscapes
 - Collaboration for synergy.
 - Diverse sources of funding are needed to involve all stakeholders and encompass all of the goals for a landscape.
 - ➤ Diverse livelihood opportunities are required for economic security.
 - Building community capacity to implement adaptive management is key.
 - Institutional development and empowerment.
 - Need for policy to guide the adoption of indigenous practices.



Challenges to rural resiliency



- ☐ Multi-disciplinary teams to collaborate with local and regional stakeholders in the diagnosis of resilience problems and opportunities for viable, locally-driven, and high-impact solutions is time consuming.
- ☐ To promote resilience to a range of shocks and stresses has to be developed and tested to address local context problems. It is no one fit for all model/approach;
- ☐ The process requires dedicated public and private sector funding, to implement and scale the most promising solutions. The political will to create such funds are non-existing.

Conclusion & the way forward



The new approach to rural resiliency must simultaneously be:

- Transformative contributes to systemic change within the landscape.
- High impact demonstrates potential to deliver significant impact on poor and vulnerable people.
- Scalable/replicable demonstrates potential for impact on a regional or global scale.
- Feasible technically sound and faces limited and/or manageable risks.
- Sustainable presents evidence that the solution has strong public sector buy-in or market adoption and that the solution would continue to build momentum with a broad base of stakeholders.



Emerging Landscape Resilience Change Model



