



Introduction to the CSA: capturing synergies between food security, adaptation and mitigation project

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Background and rationale for the Project

- Improving agriculture: key solution to food insecurity and climate change problems
 - Ag growth is most effective means of poverty reduction
 - Projected CC impacts require adaptation measures in agriculture
 - Often mitigation co-benefits are generated through measures to increase food security and adaptation and these can bring an additional source of finance
- CSA is building agricultural development policies, strategies and investments to increase food security with needed adaptation, capturing financial benefits from potential mitigation co-benefits



FAO **EPIC**

ECONOMICS & POLICY INNOVATIONS FOR
CLIMATE-SMART AGRICULTURE



CSA is...

- Context specific
- Evidence based
- Assessing synergies/tradeoffs across multiple objectives

CSA is not..

- One practice that is always applicable
- Prioritizing mitigation in LDC context



Background on the project

- 2009 Program of work on FS and CC for Copenhagen
 - Indicating considerable potential to capture synergies and link CC finance to agriculture
- 2010 Development of CSA background paper for Hague
 - Highlighting importance of resilience and institutional framework
- 2010 Initiate discussion with EC and countries for CSA project
 - Driven by need for action at country level
- 2011 Project development; background technical studies
 - Project plan is a framework to be filled in by each country
- 2012 Project initiated!
 - Time to fill in the framework

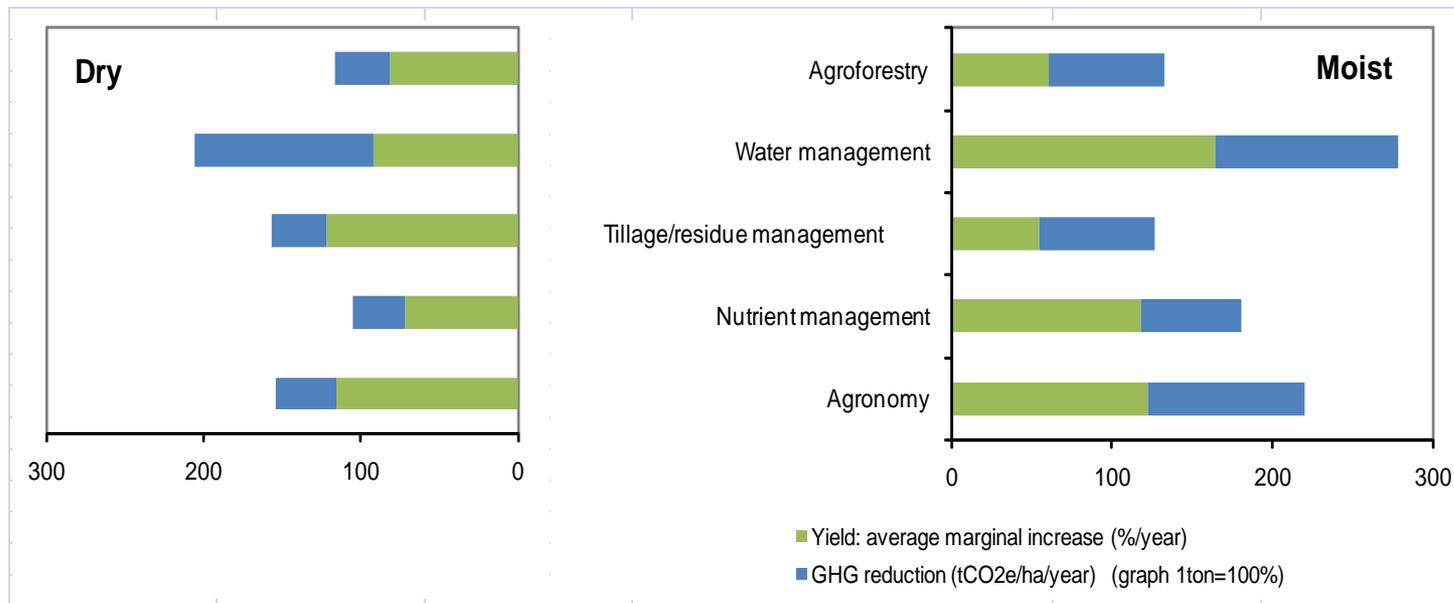
Example of synergies/tradeoffs analysis outcome for specific location

Food Security + Adaptation Potential

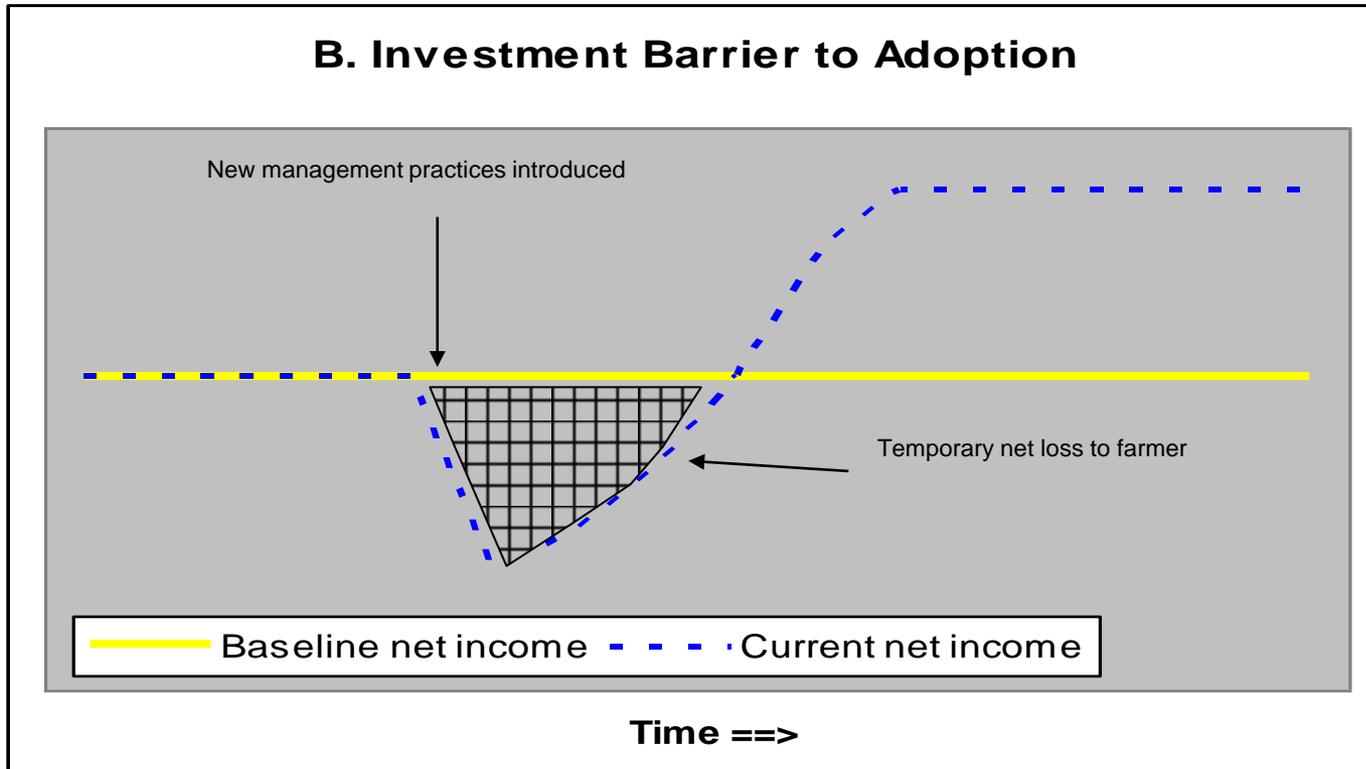
<p>Food Security Potential : High Mitigation Potential: Low</p> <p>Expand cropping on marginal lands Expand high energy-intensive irrigation Expand energy-intensive mechanized systems Inefficient use of nitrogen fertilizer</p>	<p>Food Security Potential : High Mitigation Potential: High</p> <p>Restore degraded land Expand low energy-intensive irrigation Conservation agriculture with agro-forestry Low emissions dairy diversification</p>
<p>Food Security Potential : Low Mitigation potential: Low</p> <p>Bare fallow Continuous cropping without fertilization Over-grazing</p>	<p>Food Security Potential : Low Mitigation Potential: High</p> <p>Reforestation/afforestation Restore/maintain organic soils Agro-forestry options that yield limited food or income benefits</p>

Sequestration/Mitigation Potential

Comparing effects on average yields and carbon sequestration from adopting SLM



Adoption Barriers: Up-Front Financing Costs



Source: FAO 2007



Why Malawi?

Early action CSA implementation in countries requires country commitment and capacity: Malawi has both

1. Interest, commitment and capacity in MOAFS;
2. Strong voice in international climate talks on agriculture;
3. Good basis for policy coherence (AsWAP, NAPA, CCP);
4. Strong research capacity in related fields
5. Several CSA related activities already being implemented

Project Framework

NEEDS

Core Need

Develop a policy environment & an agricultural investment strategy to attain increased food security and provide resilience under climate uncertainty

Potential entry points:

- Input support
- Conservation agriculture
- Livestock/crop mix
- Agriculture/Forest interface
- Role of climate risk and uncertainty
- Role of legal and institutional environments

RESEARCH COMPONENT

¹ What are the synergies and tradeoffs between food security, adaptation and mitigation from specific practices/locations?

² What are the barriers to adoption of CSA practices in specific agro-ecological/socio-economic contexts?

³ What are the policy levers/institutions required to facilitate adoption and what will they cost?

⁴ What changes are needed in the legal/regulatory/ policy environment to support CSA implementation?

POLICY SUPPORT COMPONENT

¹ Identifying where policy coordination at the national level is needed and means to do it

² Facilitating national participation/inputs to international climate and ag policy process

³ Capacity building for more evidence-based and integrated policy-making

OUTCOMES

- Climate smart agricultural solutions for different contexts
- Appropriate instruments for prioritization, financing, and adoption
- Development of an investment proposal.
- Capacity to implement a CSA strategy

Outputs

An evidence base for implementation for climate smart agriculture.

A strategic framework to guide action and investment on CSA.

Climate smart agriculture investment proposals and identifying financing sources, including climate finance.

Capacity building for planning, policy, implementation, financing



What has been done up to now?

- Identified CSA Priority Areas for Malawi in collaboration with Government and research partners and initiating work on evidence base (Conservation Ag., Diversification, Dairy, Irrigation)
- Identified National Focal Point for the Project (LRCD under MoAFS)
- Set up a selection process with Bunda College to identify students whose interests match the priority areas
- Hired Technical Coordinator
- Started analyzing agricultural household data (LSMS 10,000 HH 2010, 2004) and matching weather data to do analysis of adaptation/food security
- Initiated support to government experts attending UNFCCC



What do we need to do at this workshop:

- Get input from all relevant stakeholders to develop detailed and country specific project plan
- Revise and “fill in” the existing project log-frame
 1. Building the evidence base
 2. Country-owned strategic framework
 3. Develop CSA investment proposals
 4. CSA planning and implementation capacity



Thank you!