



Ministry of Agriculture

# Climate Smart Agriculture Interventions in Eswatini

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# Outline

- Country stats (Brief background)
- Institutions and Policies supporting CSA
- Interventions
  - Conservation Agriculture (CA)
  - Large scale water harvesting and irrigation development
  - Small earth dam development
  - Home based water harvesting



Area = 17 364  
km<sup>2</sup>

Population slightly  
> 1.3 million (70%  
in rural areas)

Landlocked btn SA  
and Moz (Trans  
boundary issues)

# Institutional – Policy Framework

- National Climate Change Committee – (Multi-stakeholder) drawn from government ministries and departments, private sector, CSOs and the academia
- National Climate Change Strategy and Action Plan (NCCSAP) (2012) for the period 2014-2019.
- Climate Change Policy (Ministry of Tour. & Env. Affairs) – fosters mainstreaming of CC in different sectors
- Sectoral Policies such as: Environmental Management Act, National Disaster Management Policy (NDMP), National Biodiversity Conservation and Management Policy (draft, GOS-SEA, 2007), National Food Security Policy for Swaziland (GOS-MOAC, 2006)

# Interventions

- Research to establish appropriate advices on **choices of crops** to be planted in the different **agro-ecological zones**





# Interventions cont....

- **Conservation agriculture** - minimum/no tillage, rotation and permanent soil cover (Supported mainly by FAO, UNDP, World Vision etc)



# Interventions cont....

- Minimum tillage- tractor drawn direct seeder





# Interventions cont....

Large dams



Mainly for sugarcane





# Interventions cont....

- Irrigation schemes all over the country
- Comesa and UNDP are jointly supporting implementation of a project “Increasing Farmer Resilience to Climate Change-Upscaling Market Oriented Climate Smart Agriculture”, local leading partner is NAMBoard.
- Intamakuphila scheme situated within Ngwempisi Inkhundla and Mavulandlela scheme situated within Ntfontjeni Inkhundla (production techniques, up-scale production to break-even, market linkages and water use efficiency – leaks reduced and systems changed)

# Interventions cont....

- Small earth dams



# Interventions cont....

- Home based roof top water harvesting and other means to support back yard gardens and drinking animals

Concrete water tanks for domestic use and watering backyard gardens



Permaculture backyard gardens which require very little irrigation water





# THANK YOU

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