

Ministry of Agriculture

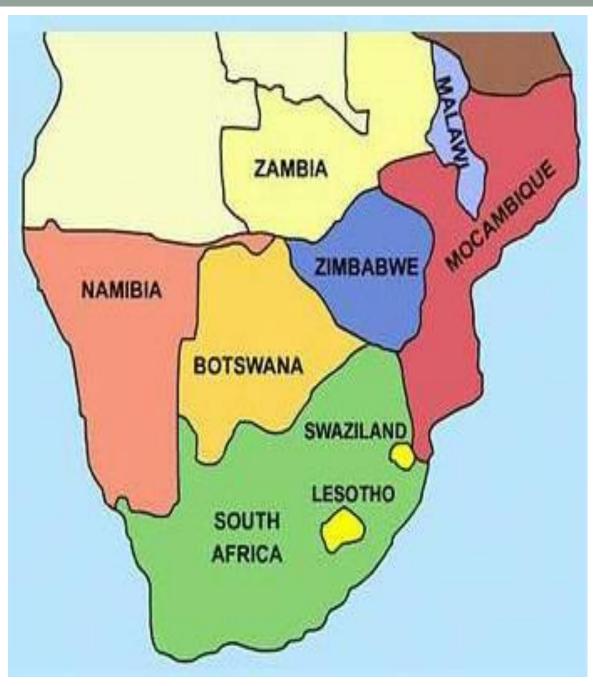
### Climate Smart Agriculture Interventions in Eswatini

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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  $km^2$ 

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







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





Minimum tillage- tractor drawn direct seeder



#### Large dams

#### Mainly for sugarcane





- 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
  Ntfonjeni Inkhundla (production techniques, up-scale production to break-even, market linkages and water use efficiency leaks reduced and systems changed)

### Small earth dams







 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