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 km²

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


• 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 Ntfonjeni 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