Community-based adaptation to climate change to strengthen resilience (EC,KZN, Limpopo)



November 2022-August 2025













Smallholder CCA decision support system: individual and facilitated

Informationalrelationalsystems functions functions functions									
	Information intermediary	Knowledge translator	Knowledge broker	Innovation broker					
	Enabling access to information from multiple sources	Helping people make sense of and apply information	Improving knowledge use in decision-making; fostering the co-production of knowledge	Influencing the wider context to reduce transaction costs & facilitate innovation					
	Local good practice	Climate Change dialogues	Farmer level experimentation to	CoPs and innovation					
Activities and processes			test practices	platforms					
	Best practise options	Impacts of CC	Introduction of new practices and ideas to try	Benchmarking for visual indicators					
	Stakeholder engagements	Adaptive strategies	Learning and mentoring	CRA learning groups					
	Materials and information	Prioritized practices	Assessment of outcomes and impacts						
	Internet based platform	CRA best practice	Cyclical, iterative learning and implementation						
		Facilitator-Farmer Decision Su	pport System	1					

Research areas

SODI_CbCCA villages O Durban Feature 1 Feature 2 Limpopo-Mohlaba Limpopo-Mambangu ● Feature 3 Limpopo-Turkey, Limpopo-Sedawa O Feature 4 Limpopo-Willows Bergville-Stulwane Bergville-Mhlwazini Bergville_Ezibomvini Midlands Mbalenhle Midlands-Etsheni Midlands Hlathikhulu SKZN-Madzikane SKZN-Centocow C-NkaselaEC-Nkau SKZN-Ngongonini

Climate Resilient Agriculture learning groups (525 direct beneficiaries) 9 new learning groups – 3 per province... plus 18 existing groups

EXISTING VILLAGES

AREA	(YELLOW PINS)	NEW VILLAGES (RED PINS)
Eastern Cape (EC)-Matatiele	Nkasela	Mzongwana
	Nchodu	Nyaniso
	Nkau	Mehloloaneng
Southern kwaZulu Natal (SKZN)	Madzikane	Contocow
	Spring valley	
	Ngongonini	
Midlands (Central KZN)	Ozwathini	Hlathikhulu
	Mbalenhle	
	Etsheni	
Bergville (Nortern KZN)	Ezibomvini	Mhlwazini
	Vimbukhalo	
	Stulwane	
Limpopo (Mameja- Lower Olifants)	Sedawa	Worcester
	Willows	Mohlaba
	Turkey	Mambangu

The smallholder farming system

350 participants across 18 villages



OM and soil fertility

Feed biomass mulch

Dryland cropping of staples on small patches of available land (0,1-1ha)

Smallholder

farming

system

Fodder manure

Cover

crops,

non

staples

stover





Intensive homestead food production; vegetables, fruit, small livestock

Extensive grazing of livestock on stover and veld

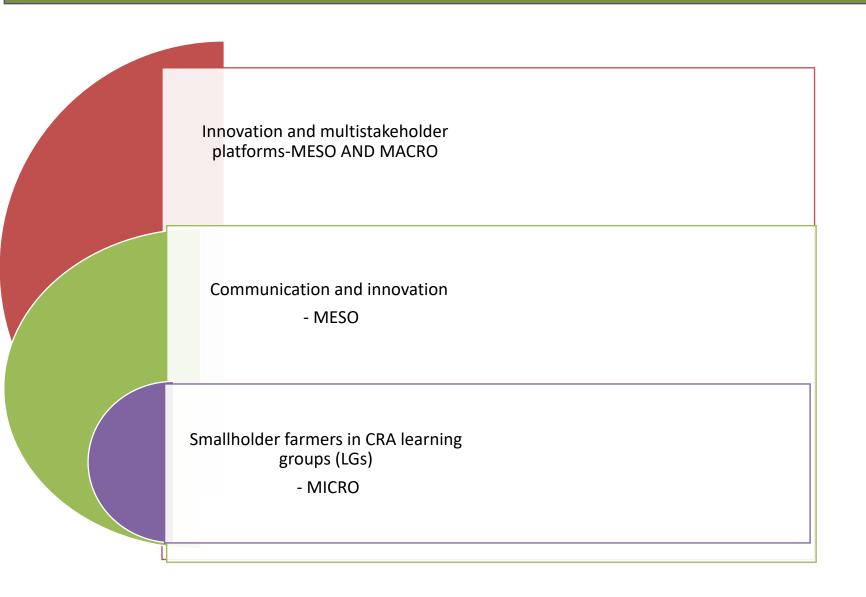
Manure mulch

Little to no soil cover





CoPs



Project measures

5.2.3 Sustainable water management

Development of 3 concepts for sustainable access to water

Development and implementation of institutional structures such as water management committees (6)

Measures	2022- 2023		2024			2025						
5.2.1 Implementierung von Communities of Practice (CoP)												
Introductory 2-day workshops for learning groups (LG) at village level in 3 provinces	х			х	х		x					
LG establishment; Roles, responsibilities, visioning and planning: 2-day workshops for 9 LGs in 3 provinces.		х	х			х		х				
Climate resilient agriculture training and capacity development for 9 new learning groups across three provinces - 3 days/group/ year			х	x		х	х	x	x			
Cyclical implementation of the LG at the village level: Implementation and mentoring for climate-adapted agriculture for 27 learning groups at village level; Development of local marketing initiatives (3) & local food security initiatives (building value chains, seed banks, etc.); Community-based management measures for natural resources		X	X	×	x	x	X	x	x	х	Х	
Entrepreneurial support for Food Security: village savings and loans associations and local marketing support and development		x	х	x	х	x	х	х	х	х	х	
Cyclical implementation of innovation platforms and multi-stakeholder networks; Implementation and capacity development for innovation (3) and multi-stakeholder platforms (3); meetings and cross visits				х				х				x
5.2.2 Development of an M&E toolbox and a handbook												
Development of M&E instruments and indicators			х		х		х		Х			
Development of the Handbook for Community-Based Adaptation to Climate Change											Х	x
Regular M&E by MDF together with smallholder farmers		Х		х		х		х		Х		х
Seasonal evaluation by learning groups at village level (18)				х		х		х		х		x
Participatory assessments improved climate resilience for a selection of learning groups at village level (18)				х		х		х		х		х

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