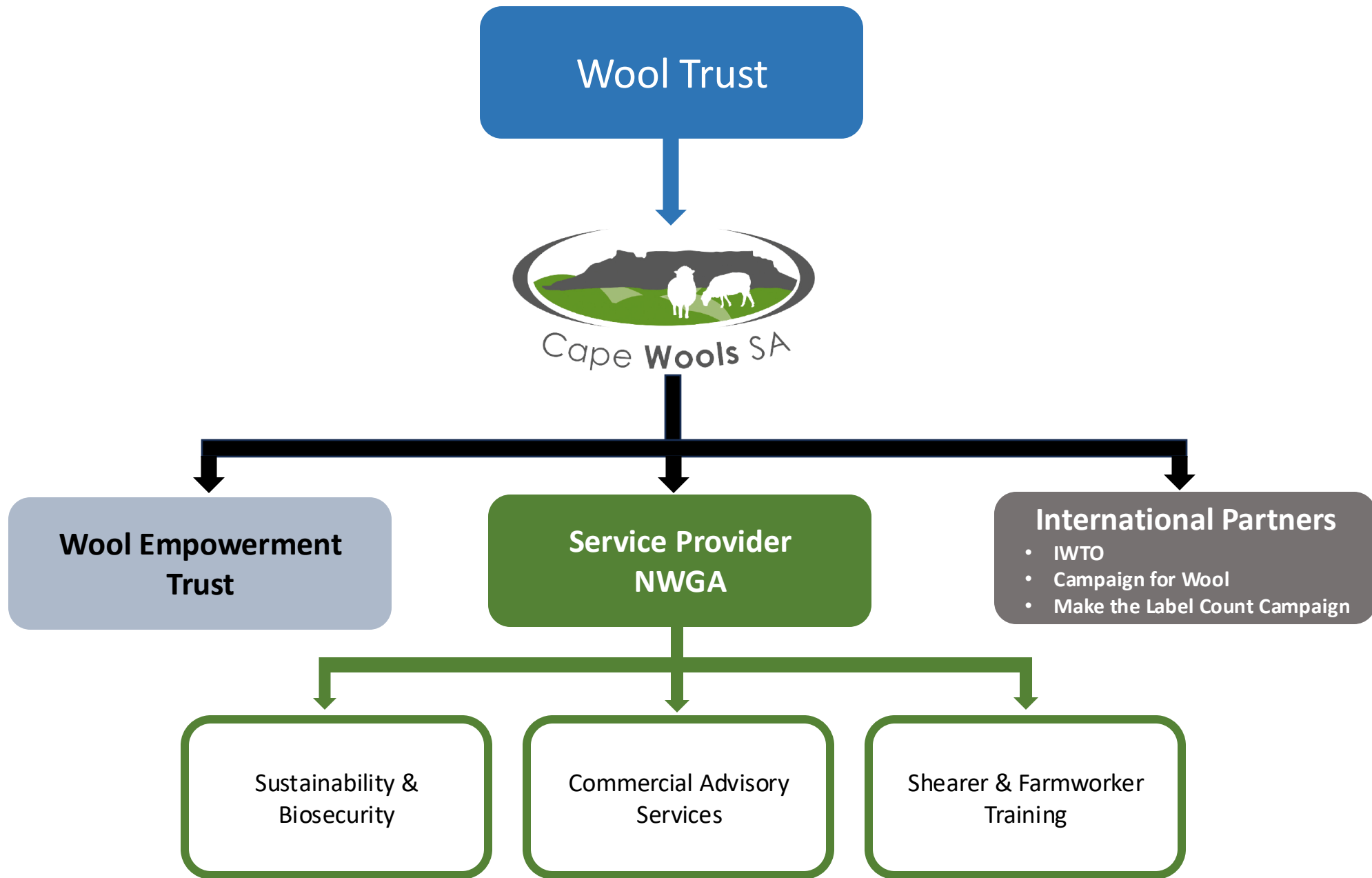
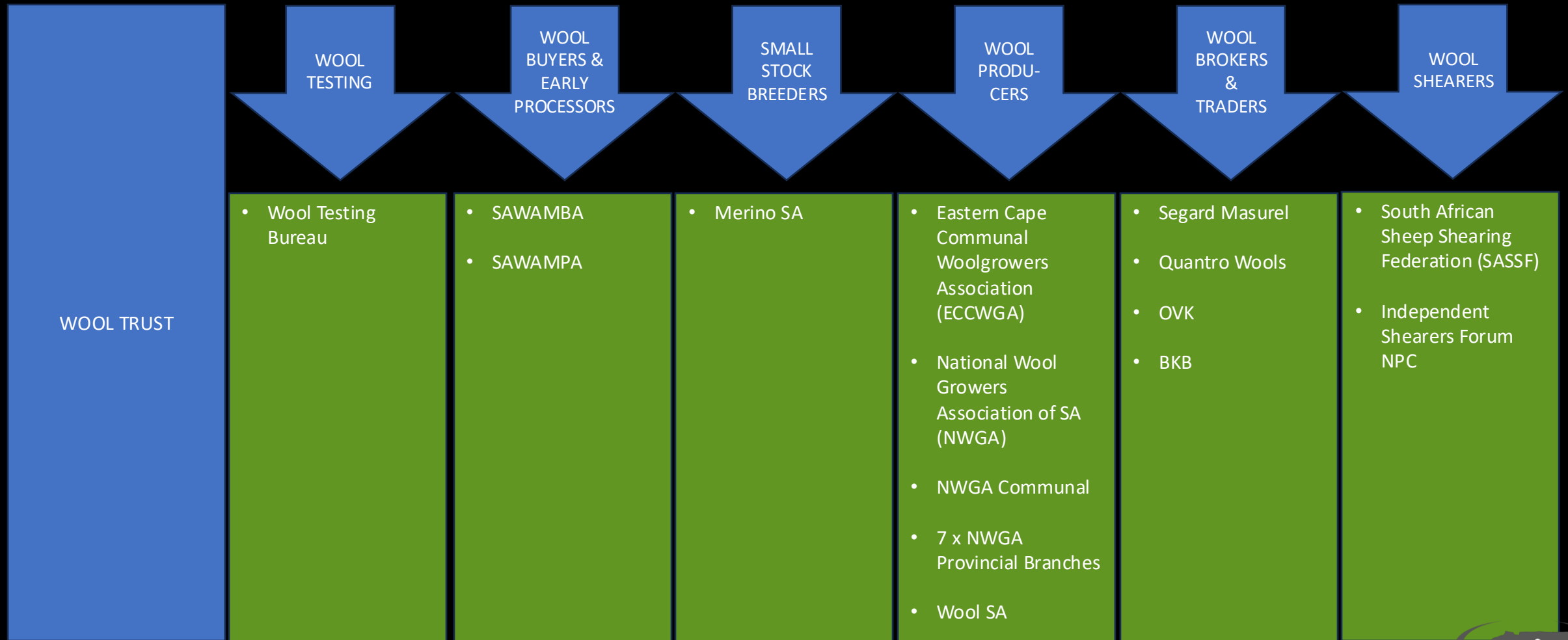




Wool export value chain and the role
of communal/emerging farmers

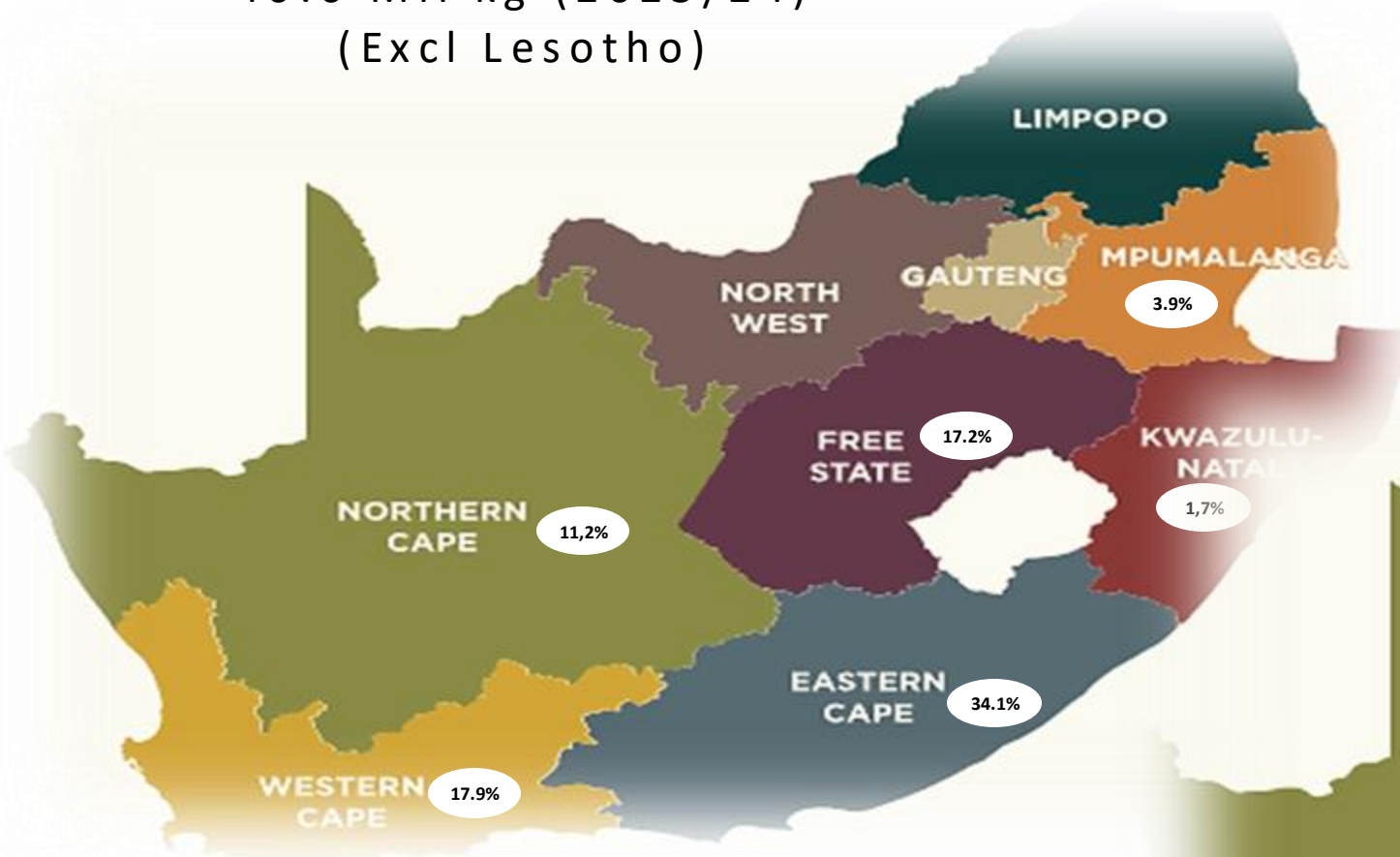


CAPE WOOLS SA MEMBERSHIP



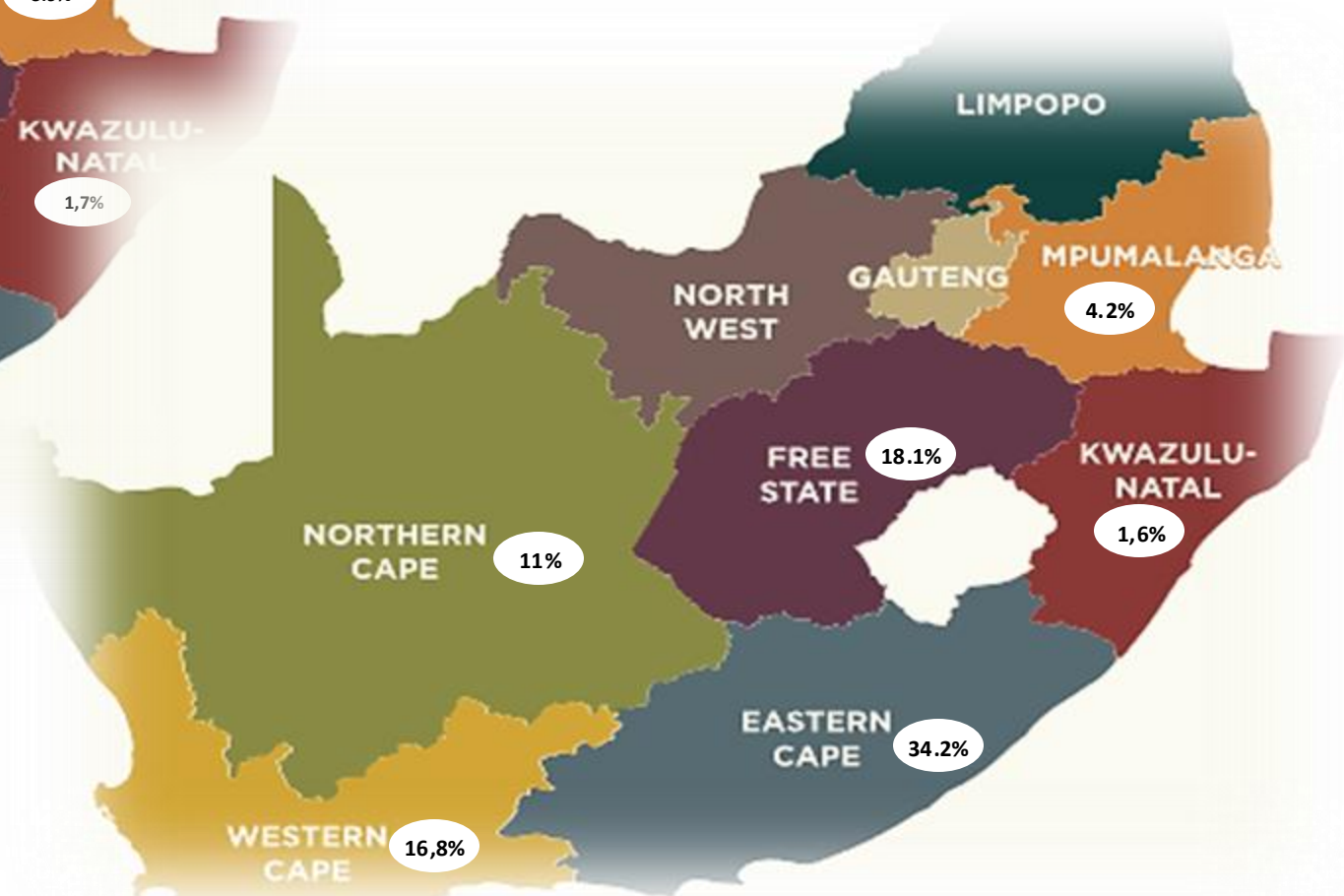
SA WOOL PRODUCTION

40.6 Mil kg (2023/24)
(Excl Lesotho)

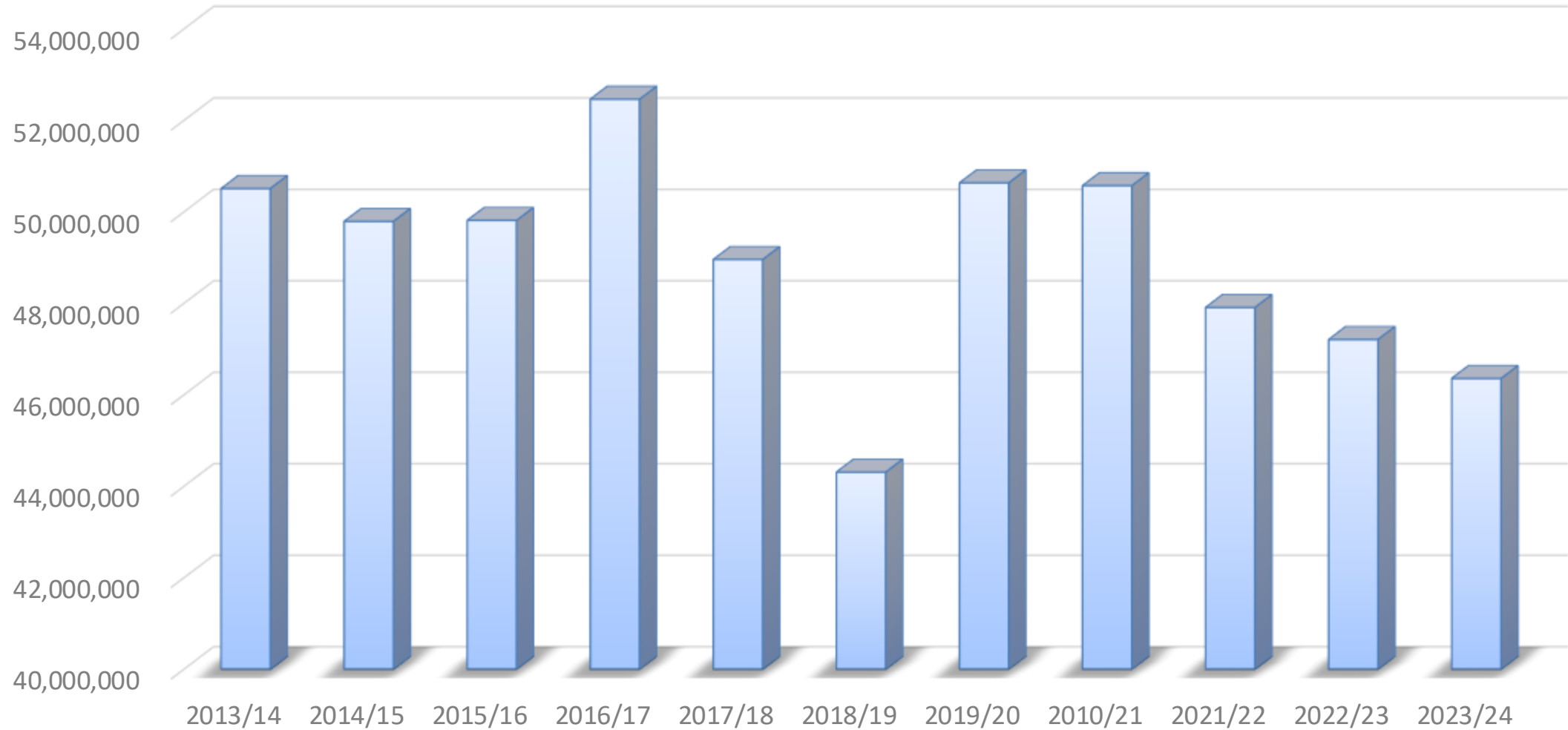


8 000 Commercial Farmers
45 000 Communal Farmers

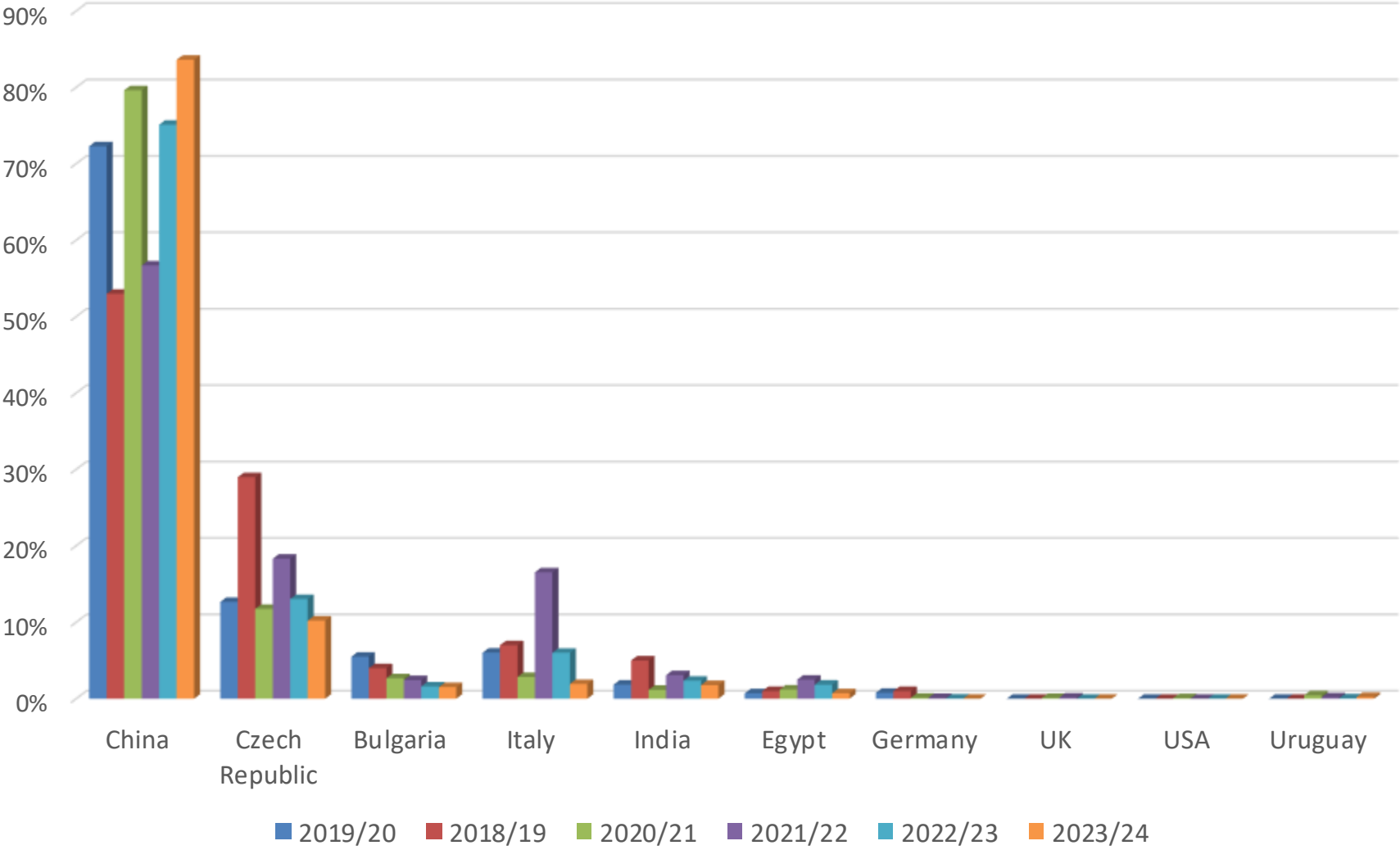
41.4 Mil kg (2022/23)
(Excl Lesotho)



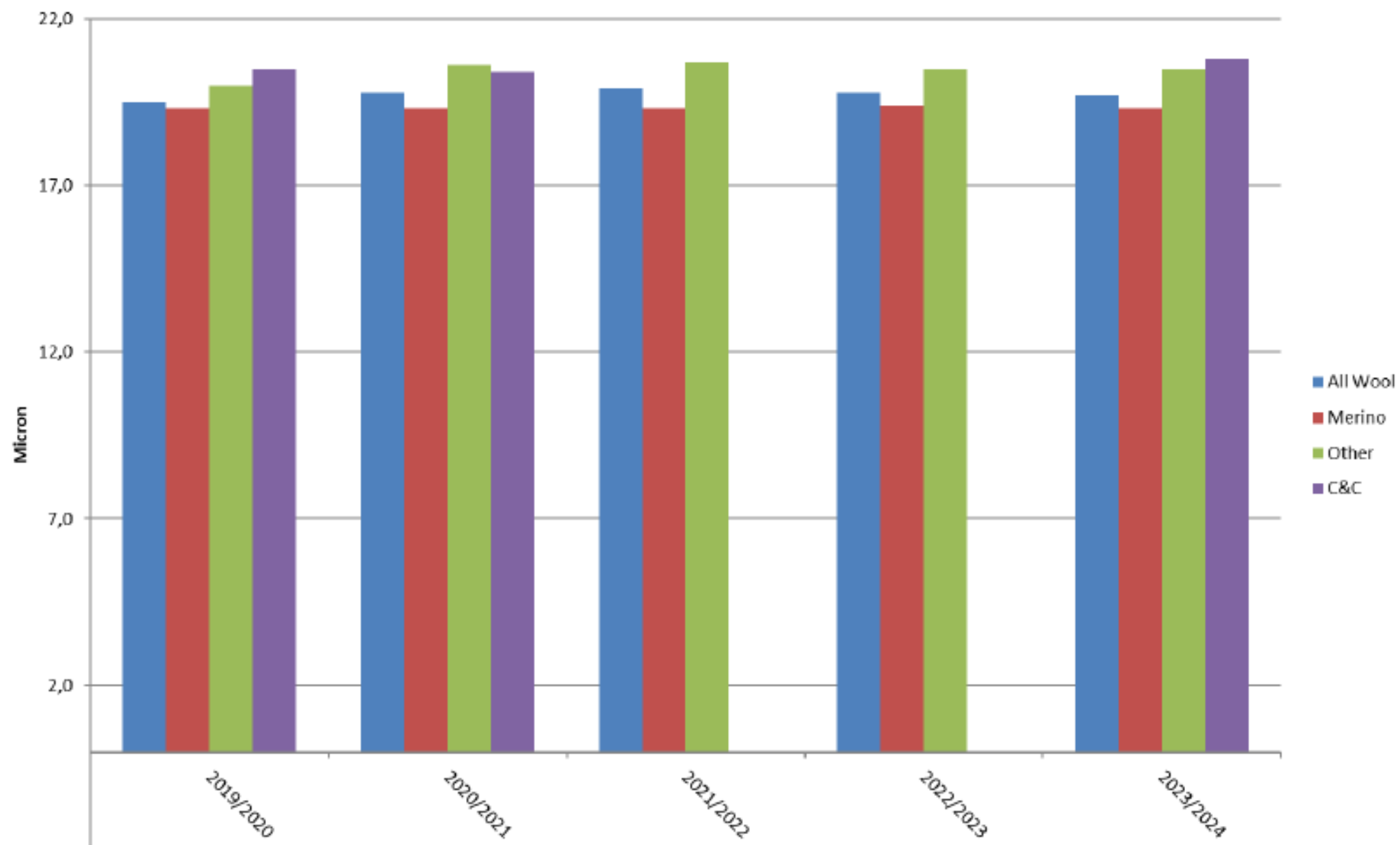
Greasy Wool Production



Exports (kg)



Average Micron Per Season



Management practices and clip preparation



- The bulk of the clips in SA are shorn at eight months of wool growth
- It is important for the wool grower to provide an even supply of feed to ensure sound wool with a good tensile strength
- Sudden changes are avoided and change in diet is introduced gradually
- Well trained shearers are used to ensure wool of an even length
- Well trained classers ensure even classing of wool
- Wool brokers ensure objective measurement of the bales and display of wool to potential buyers

Shearing



- Shearers are trained by qualified instructors.
- Beginner course is 8 working days and shearers are evaluated after the course.
- If they comply with the standard, they receive a shearing certificate and can be employed by a shearing contractor.
- Current shearers also get in service training and receive a bronze- or silver seal on their certificate, provided they comply with the criteria.

Wool Classing

- Formal classing standards are in place in the wool industry and various training courses are offered by the National Wool Growers Association.
- Classers attend a course which includes:
 - The physical properties of wool
 - The different types of wool
 - The role of physical properties of wool in classing of the clip
- After a theoretical as well as a practical examination, the Classers Diploma can be issued to a candidate which achieved a mark above 70% in the examination and can provide proof of sufficient experience in wool classing.



Wool Selling

- Wool is sold mainly through the Auction System (>95%)
- Auctions are held in the South African Wool/Mohair Exchange
- Auction lots can be traced back to growers
- Auctions are held in Port Elizabeth (August to June)
- Six selling brokers and seven main buyers in South Africa



Wool Testing

- Latest technology used in testing:
 - NIR for yield testing
 - Laserscans for fibre testing
 - ATLAS for staple testing



TRANSFORMATION INITIATIVES



Communal Production Support Services

Producer Support:
Animal health
Breeding & selection
Livestock feeding
Animal husbandry
Shearing infrastructure
Meetings (SCWS; PA's)
Account sales interpretation
Sheep Shearing: Visit & Monitor
Life Cycle Analysis
Obtain Samples

Genetic Improvement:
Support to purchase quality rams/ewes
Institutional support:
Management meetings
Congresses
Flock Competitions:
Shearing Competitions
Administration:

COMMUNAL WOOL PRODUCTION					
SEASON	VALUE (R)	MASS (KG)	LOTS	BALES	AVERAGE PRICE (R)
2009/2010	60 432 983,71	2 776 867,8	4 343	19 353	21,76
2010/2011	71 749 104,17	3 027 276,3	5 085	21 237	23,70
2011/2012	88 442 521,03	2 782 370,7	4 660	19 755	31,79
2012/2013	108 248 805,28	2 842 409,1	4 686	20 187	38,08
2013/2014	137 919 367,70	3 806 993,5	6 368	26 740	36,23
2014/2015	130 849 387,92	3 582 122,6	6 363	25 252	36,53
2015/2016	233 618 024,81	4 462 089,1	7 832	31 689	52,36
2016/2017	299 882 007,84	5 812 641,3	9 138	39 964	51,59
2017/2018	383 607 431,04	5 422 122,3	9 569	38 617	70,75
2018/2019	336 979 827,63	4 737 000,0	9 021	33 510	71,14
2019/2020	289 475 740,22	5 876 741,3	9 121	39 132	49,26
2020/2021	260 451 284,03	5 455 470,8	9 421	36 233	47,74
2021/2022	255 013 759,48	4 402 619,2	8 095	30 030	57,92
2022/2023	281 895 295,79	5 158 852,1	9 381	34 297	54,64
2023/2024	301 623,589,00	5 757 722,6	9 725	37 573	52,39



STRENGTHS

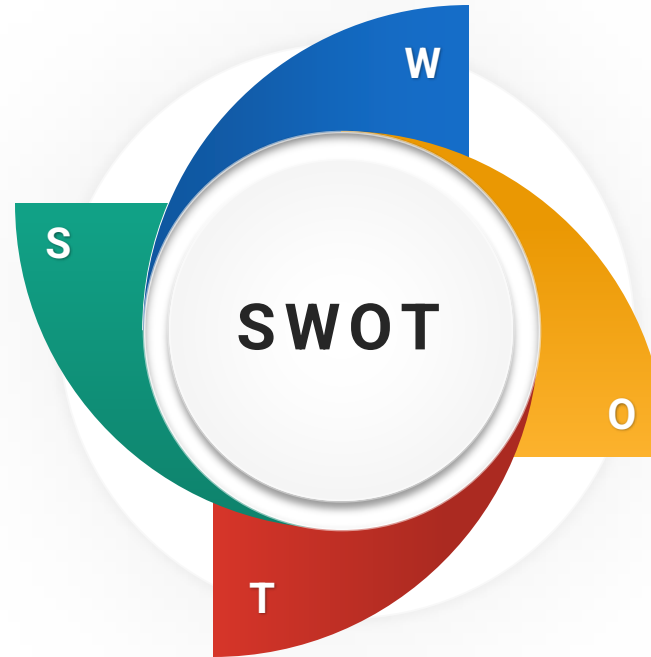


- Strategic Pillar of Cape Wools
- Well Established Interventions funded by CWSA
- Experienced Production Advisors
- Excellent support ICT systems ie Transformation Tracking App

THREATS



- Poor quality wool
- Reduced volumes in wool production
- Reduced income
- Loss in Jobs



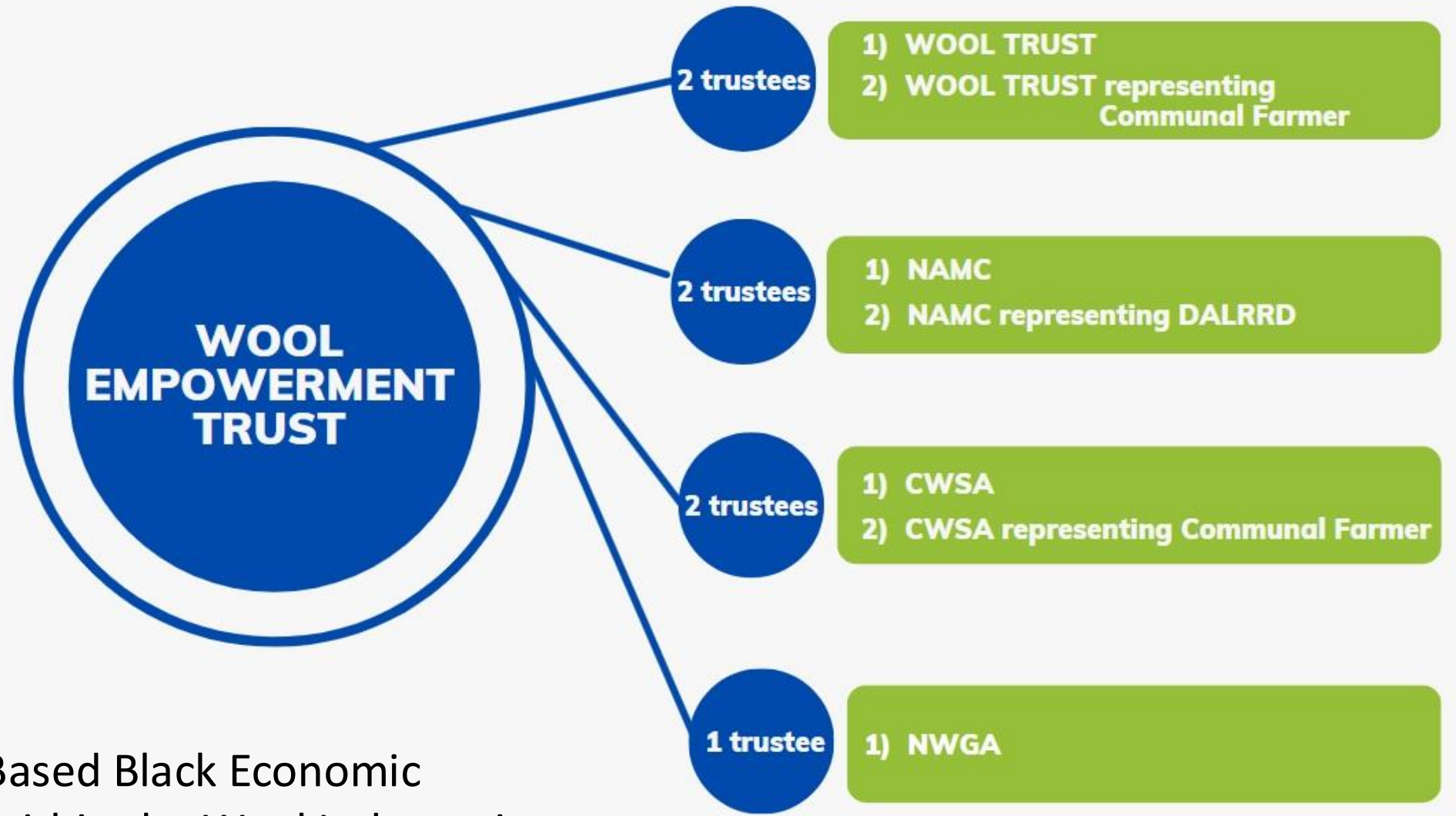
WEAKNESSES

- Lack of Infrastructure: ie Shearing Sheds & Equipment
- Poor Road Conditions to sheds
- Too few Production Advisors to cover all the shearing sheds
- Limited funding available
- Poor Genetics
- Stock & Wool Theft



OPPORTUNITIES

- Sustainability Certification
- Empowerment Trust
- More Collaboration with Government / DRDAR
- Funding support
- Genetic improvement



Mandate:
To Drive Broad Based Black Economic
Empowerment within the Wool Industry in
South Africa

SCWSc & Needs Analyses



Cape Wools SA

SUSTAINABLE AUDIT SYSTEM

Browse the Audits file

1a) Requested Audits |
 1b) Requested Audits |
 2) Without Appointment |
 3) Postponed |
 4) Scheduled |
 5) Overdue |
 6) Completed |
 7) Samic Linked Audits |
 8) Reaudits |
 9) E Audits

Farm Audit ID	Farm Name Assigned Auditor	Admin Req	Requested Completed	Request By Completed By	Appointment		
					Date Contact	Time	Contact Telep
482683A	JONKERSFONTEIN		9/03/2022	NWGA	//	0:00:00	0845124195
10001475	Cancel Audit	14/03/2022	//				
482683B	DOORKRAAL		17/03/2022	Jan Fourie	//	0:00:00	
10001500	Cancel Audit	//	//				
484614B	HOLBANK		7/03/2022	Annelize Smit Van Niekerk	//	0:00:00	
10001456	Cancel Audit	//	//				
484918B	MOREZON		8/06/2021	Casper Labuschagne	//	0:00:00	
10000803	Cancel Audit	//	//				
485631B	HELPMEKAAR		23/06/2021	Casper Labuschagne	//	0:00:00	
10000876	Cancel Audit	//	//				
485631C	CENTERA		23/06/2021	Casper Labuschagne	//	0:00:00	
10000877	Cancel Audit	//	//				
485631D	WITKOP		23/06/2021	Casper Labuschagne	//	0:00:00	
10000878	Cancel Audit	//	//				
485631E	SMILING VALLEY		23/06/2021	Casper Labuschagne	//	0:00:00	
10000879	Cancel Audit	//	//				
486063B	STRYDPOORT		3/06/2021	Casper Labuschagne	//	0:00:00	
10000783	Cancel Audit	//	//				
486580A	AQUA-HERTZOGVILLE		16/01/2024	ABEL	//	0:00:00	0769747993
10002631	Hugo Groenewald	19/01/2024	//		Rickus		
487683B	DRIEFONTEIN		6/05/2022	Annelize Smit Van Niekerk	//	0:00:00	
10001549	Cancel Audit	//	//		T Hattin		

Other Farms

Code	Farm Name	Date Sold
482683B	DOORKRAAL	//

Farm Audit

Audit ID Completed	Appoint Date C M S	Auditor
10000626	30/03/2022	Erwin Woolward
//	0 0 0	


Data Filter Center

Column	Operator	Value/Expression	Connecting Operator


☐ Case sensitive search







SUSTAINABLE AUDIT SYSTEM

FileAuditsTransferExitVer 4.0


 Complete Audit

☒ All☐ Non Conform☐ No Answers

 Close



App QR Code

 Audit

924645ATRADER

01

Audit Checklist

0101Audit Checklist

0102Animal Welfare

0103Biosecurity and Health

Shearing

Environment


Social

Management and Auditing


Flock Assesment







SUSTAINABLE AUDIT SYSTEM

FileAuditsTransferExitVer 4.0


 Complete Audit

☒ All☐ Non Conform☐ No Answers

 Close




App QR Code

 Audit

924645ATRADER

02Animal Welfare

02	01	The flock is monitored by the farmer, and action taken as appropriate.
02	02	There is sufficient shelter against extreme weather conditions.
02	03	Animals have easy access to sufficient food as appropriate.
02	04	 Animals have easy access to sufficient water as appropriate.
02	05	Animals have a suitable diet.
02	06	Farmers are aware of the need for supplementation and supplementary feeding as appropriate.

SUSTAINABLE AUDIT SYSTEM

Sustainable Cape Wools Standard - Communal

Ver 4.1

Farm: 959591A TINANA SHEARING SHED

Date of Audit: 11/10/2023 **Score:** 99.02

Auditor: Phumlani Sawula

Non Conformances

Critical: 0 **Major:** 0 **Minor:** 2



capewool@capewools.co.za
041 484 4301

01 General

01	Name of Shearing Shed BHUKHWANA S/S	None
02	Region 24	None
03	Shearing shed chairperson - name only. GCINILE	None
04	List Producer Numbers 959591A7	None
05	Number of bales produced during the last shearing season. 11	None
06	Average price per kilogram of wool from the last clip as per the brokers report. R58,30	None

SUSTAINABLE AUDIT SYSTEM

04 Animals have continuous access to clean and safe water.

1. Yes



NA

Major



SUSTAINABLE AUDIT SYSTEM



Certificate Number
SCW10001919

Certificate of Compliance

This document certifies that

TINANA SHEARING SHED
959591

has complied with the
Sustainable Cape Wool Standard

Assessed On: 11/10/2023
Valid Until: 10/10/2026

A stylized, handwritten signature in black ink, appearing to read "Seymour".

General Manager





Cape Wools Digital Ecosystem: Identity: Wool Bale RFID



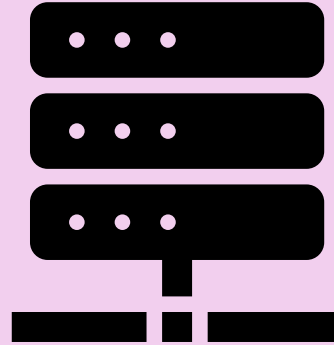


BLOCK
CHAIN

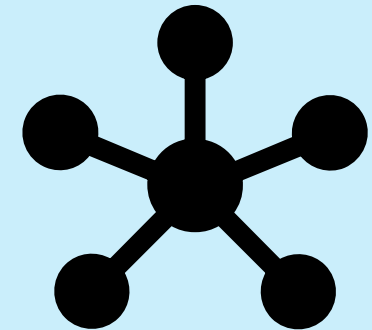
THE THREE LEGS OF TRACEABILITY



IDENTIFY



CAPTURE



SHARE

Interoperability through the Ethereum Blockchain



IDENTIFY

CAPTURE

SHARE

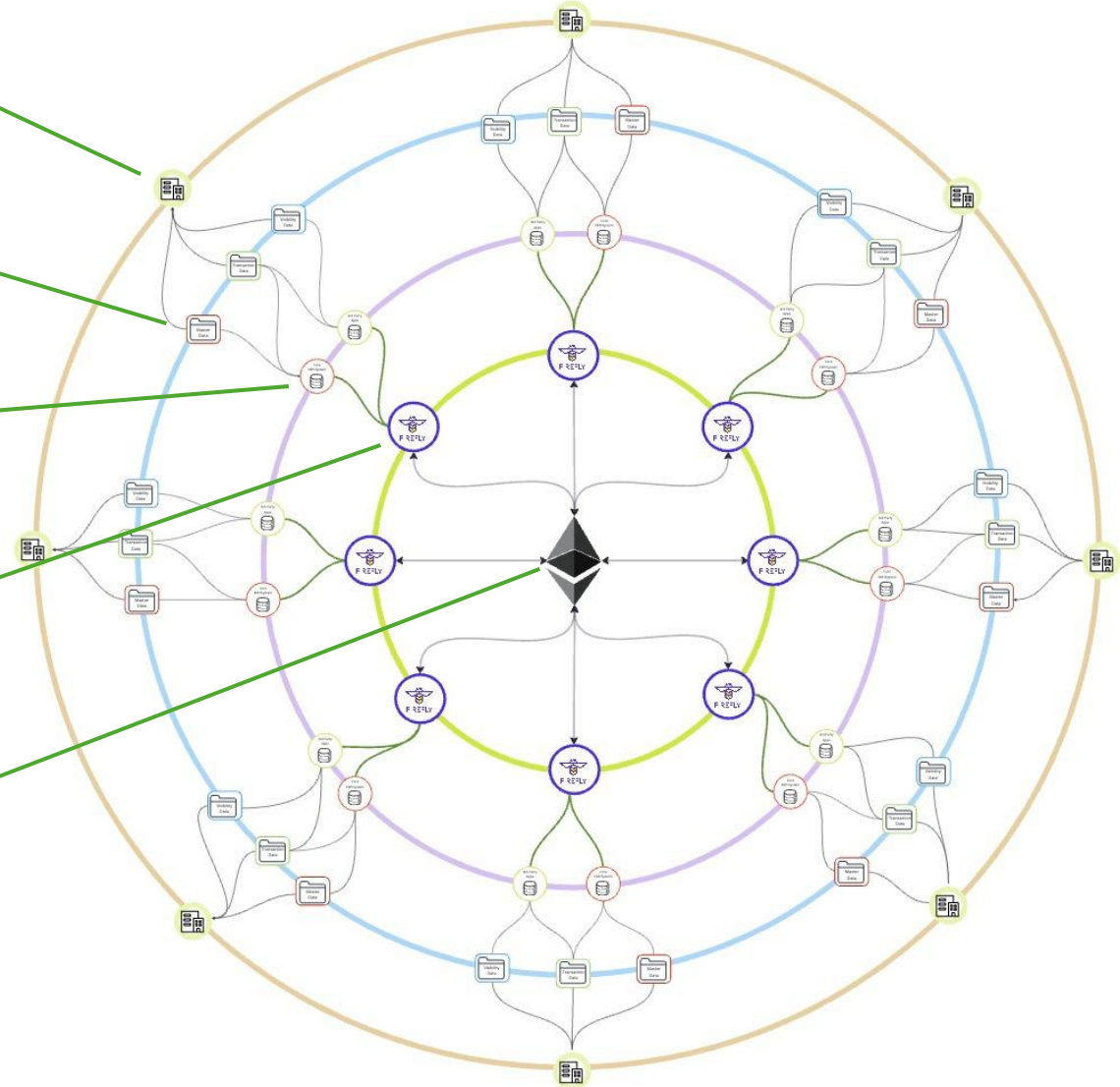
Organization

Business Application

Data

FireFly Node

Ethereum Blockchain



Interoperability through the Ethereum Blockchain



- Business Application link to the FireFly Blockchain Node through an API
- Each organization has a unique ID on the Blockchain – known as a DID
(Decentralised Identification Nr.)
- Data gets ‘Pinned’ to the Blockchain

The screenshot shows a web application interface with a sidebar on the left containing navigation options: 'Contacts', 'Meetings', 'Opportunities', 'Sales', and 'More'. The main content area displays a 'Firefly Identity' modal window. The modal is titled 'Firefly Identity' and contains the following information:

IDENTITY		CLAIMED BY	
Description ?	Eendracht Valleij Plaas (Pty) Ltd	Claimant ID ?	7ec2fbff-70f5-47d3-83c1-9d6c1ab37242
ID ?	10037df9-e23e-46dc-ab35-c2a0731c03b0	Claimant Name ?	capewools
Name ?	capewools-eendracht-valleij-plaas-pty-ltd		
Type ?	custom		

PINNED BY	
Pin ID ?	7ec2fbff-70f5-47d3-83c1-9d6c1ab37242
Pin Name ?	capewools

At the bottom of the modal is a 'Close' button. The background of the application shows a dashboard with various metrics and a sidebar with navigation options. The sidebar also includes a 'New' button and a 'Contacts' dropdown menu. The top right of the application shows the user's name 'Administrator' and the company name 'saas'.

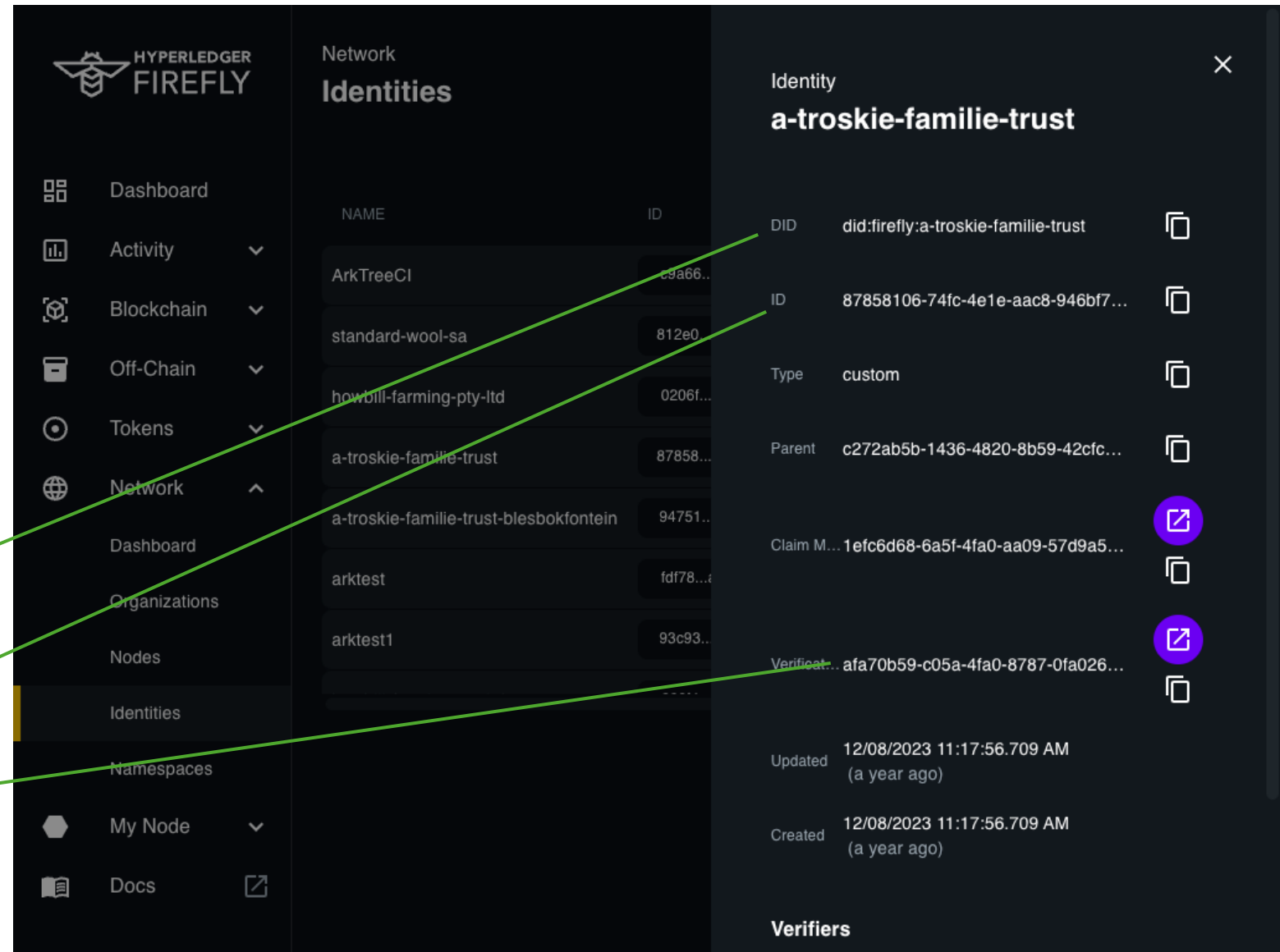
Interoperability through the Ethereum Blockchain

- Each organization gets its own FIREFLY Node in order to send and receive data messages
- DID is used to securely send data messages between two organizations

Producer DID

Data Message ID

Verified by Cape Wools



The screenshot shows the Hyperledger Firefly interface. On the left is a sidebar with navigation options: Dashboard, Activity, Blockchain, Off-Chain, Tokens, Network, Organizations, Nodes, Identities, Namespaces, My Node, and Docs. The main panel is titled 'Network Identities' and displays a table of identities. A modal window on the right shows the details for the identity 'a-troskie-familie-trust'.

NAME	ID
ArkTreeCI	c9a66...
standard-wool-sa	812e0...
howbill-farming-pty-ltd	0206f...
a-troskie-familie-trust	87858...
a-troskie-familie-trust-blesbokfontein	94751...
arktest	fdf78...
arktest1	93c93...

Identity: a-troskie-familie-trust

DID	did:firefly:a-troskie-familie-trust
ID	87858106-74fc-4e1e-aac8-946bf7...
Type	custom
Parent	c272ab5b-1436-4820-8b59-42cfc...
Claim M...	1efc6d68-6a5f-4fa0-aa09-57d9a5...
Verified...	afa70b59-c05a-4fa0-8787-0fa026...
Updated	12/08/2023 11:17:56.709 AM (a year ago)
Created	12/08/2023 11:17:56.709 AM (a year ago)

Verifiers

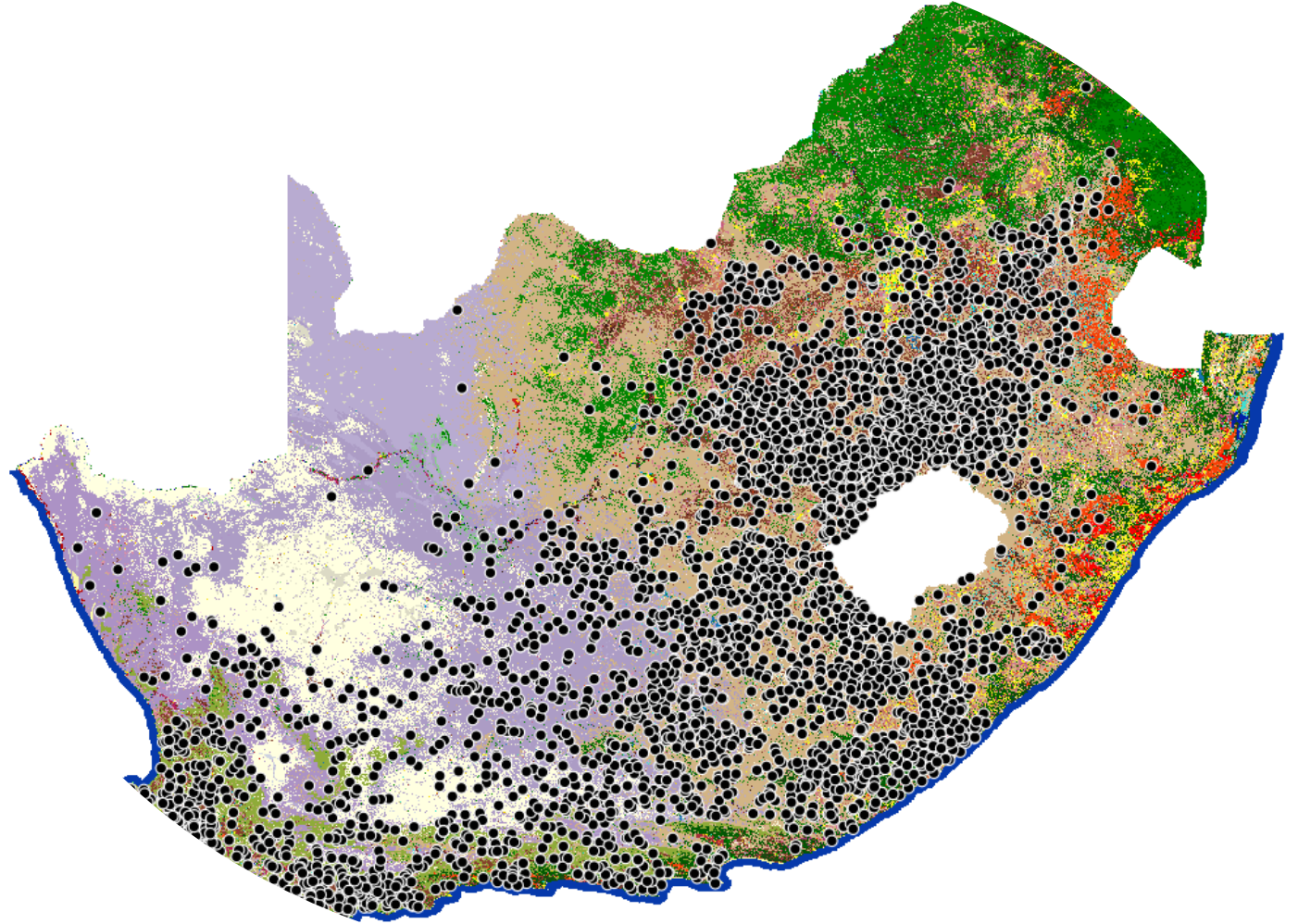
IDENTIFY

CAPTURE

SHARE

Locations

Point generated statistically
from assigned district and
land use of cropland/grazing





SOUTH AFRICAN
MERINO



MZANSI WOOL



Telling our Story



CAPE WOOLS & POLO BOX PROJECT





**Gerber
&
Co**



Early stage wool processing

Thank You

www.capewools.co.za
deon@capewools.co.za

