



Western Cape
Government

FOR YOU



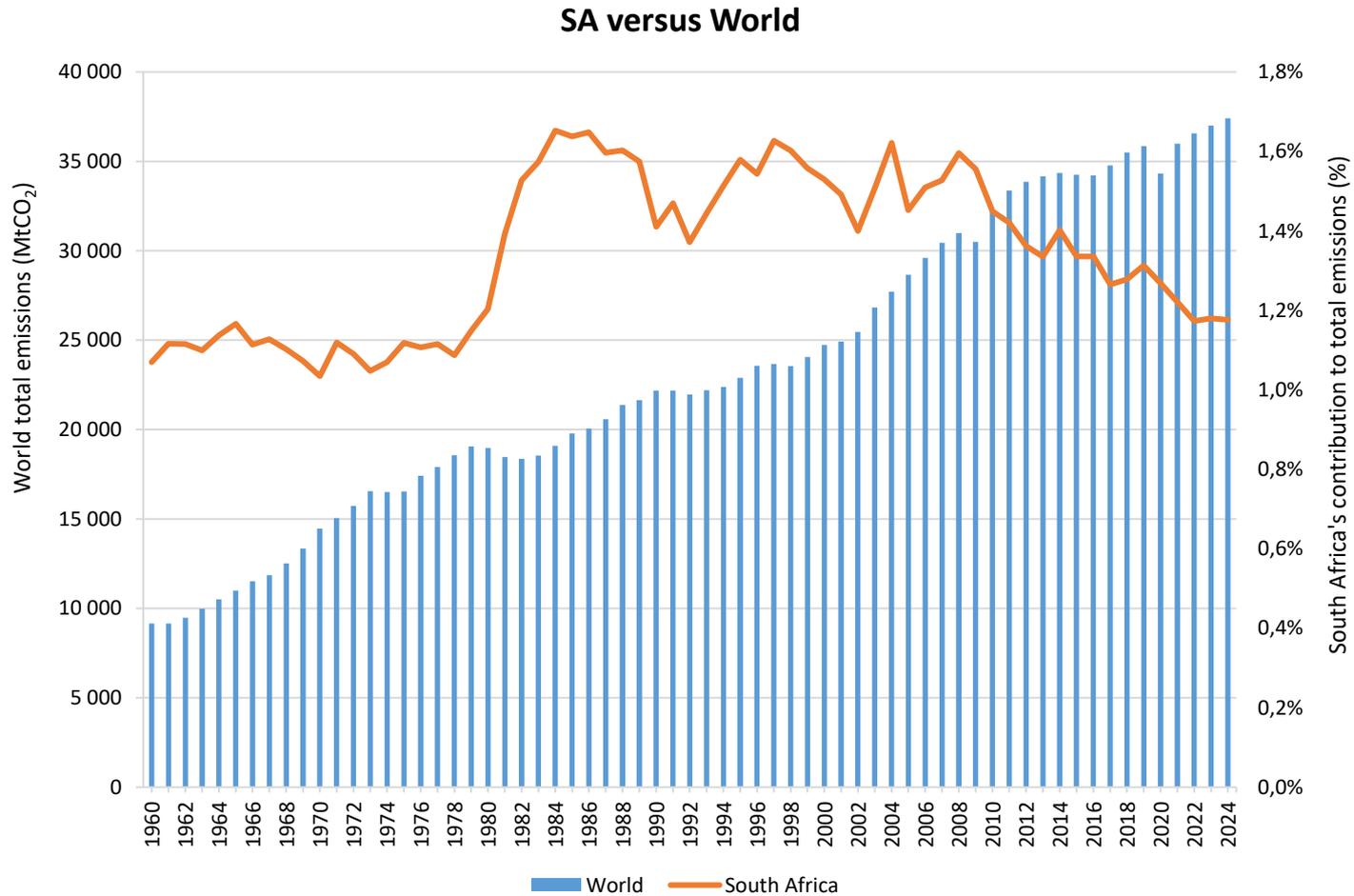
Agriculture

Carbon Emissions:

South Africa's global position

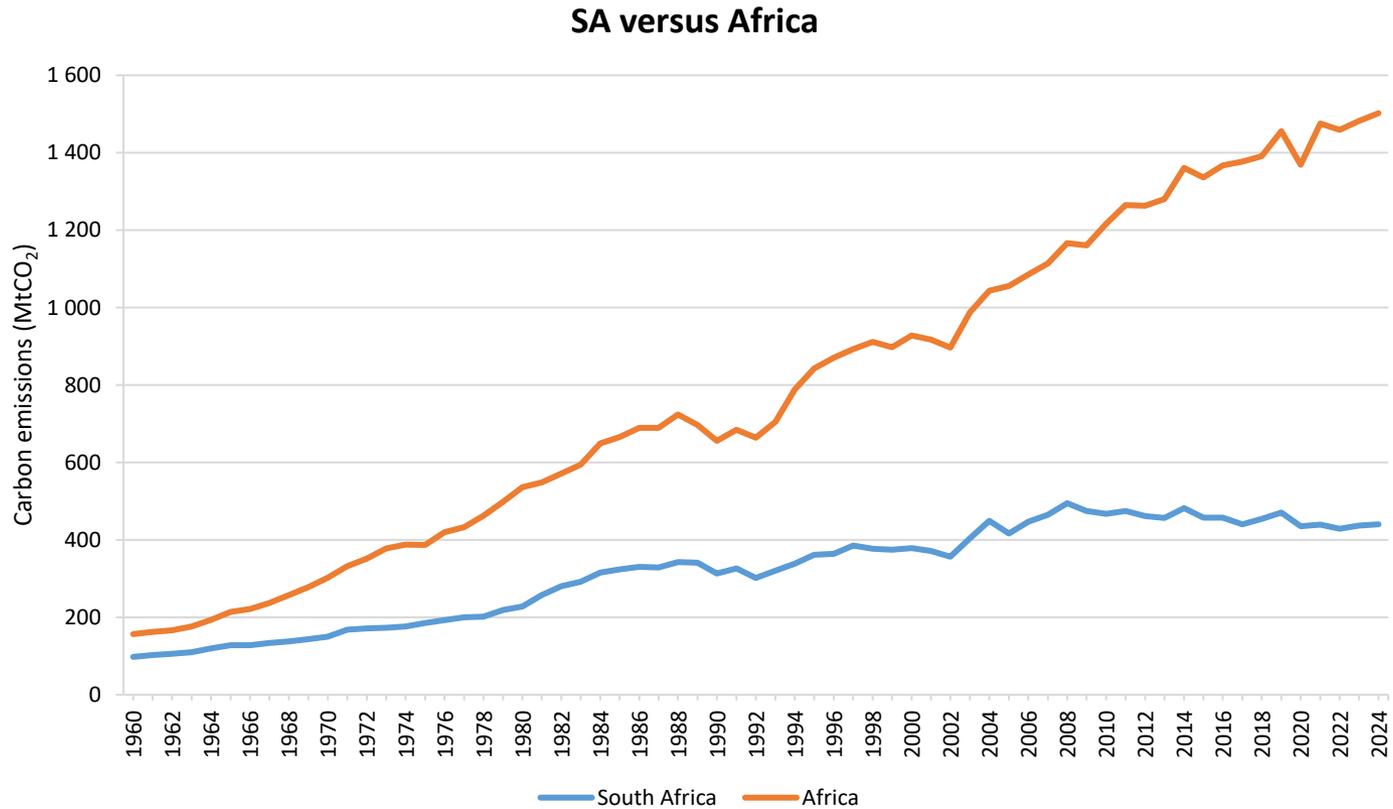
March 2026

Global Emissions



Source: Global Carbon Atlas, 2026

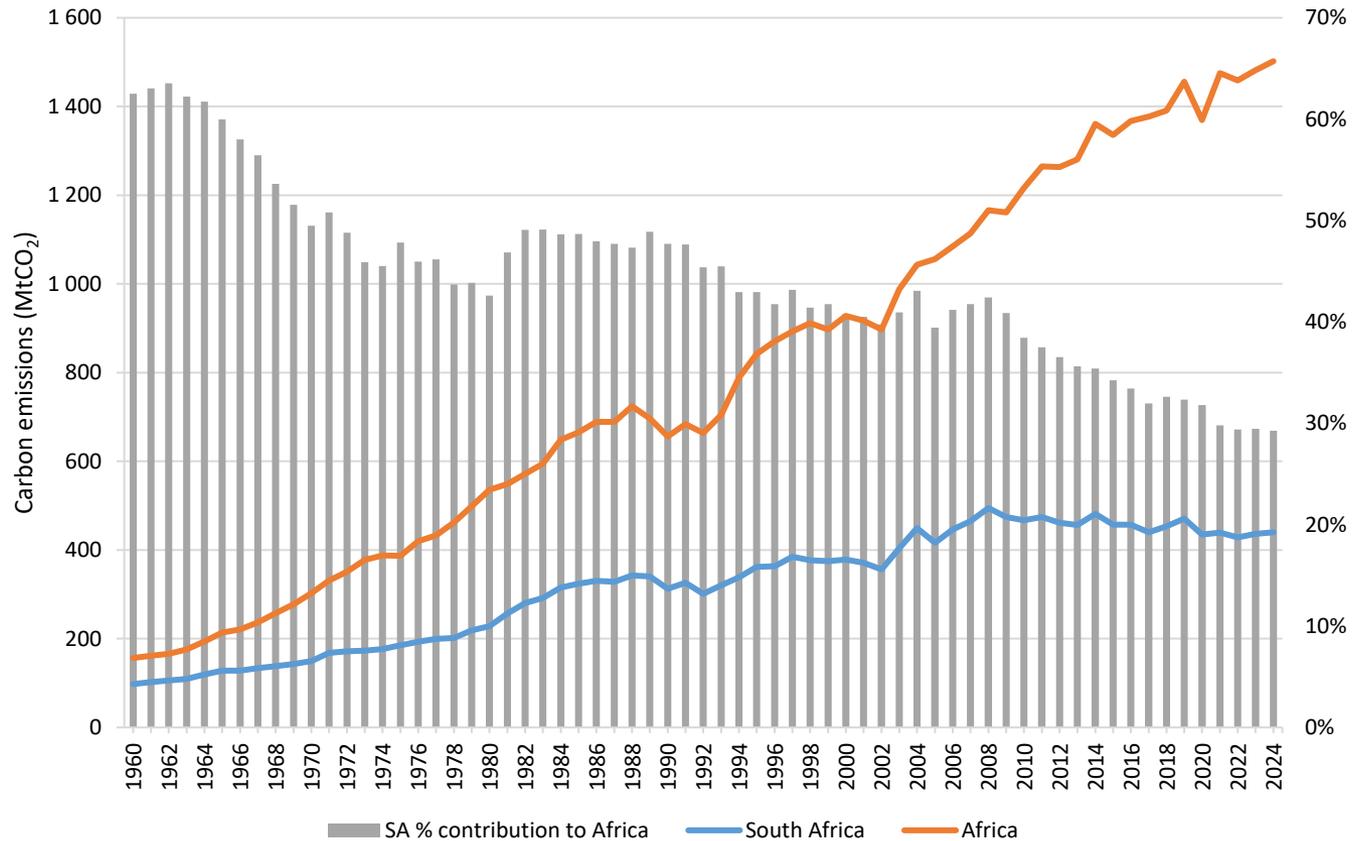
Africa's Emissions



Source: *Global Carbon Atlas, 2026*

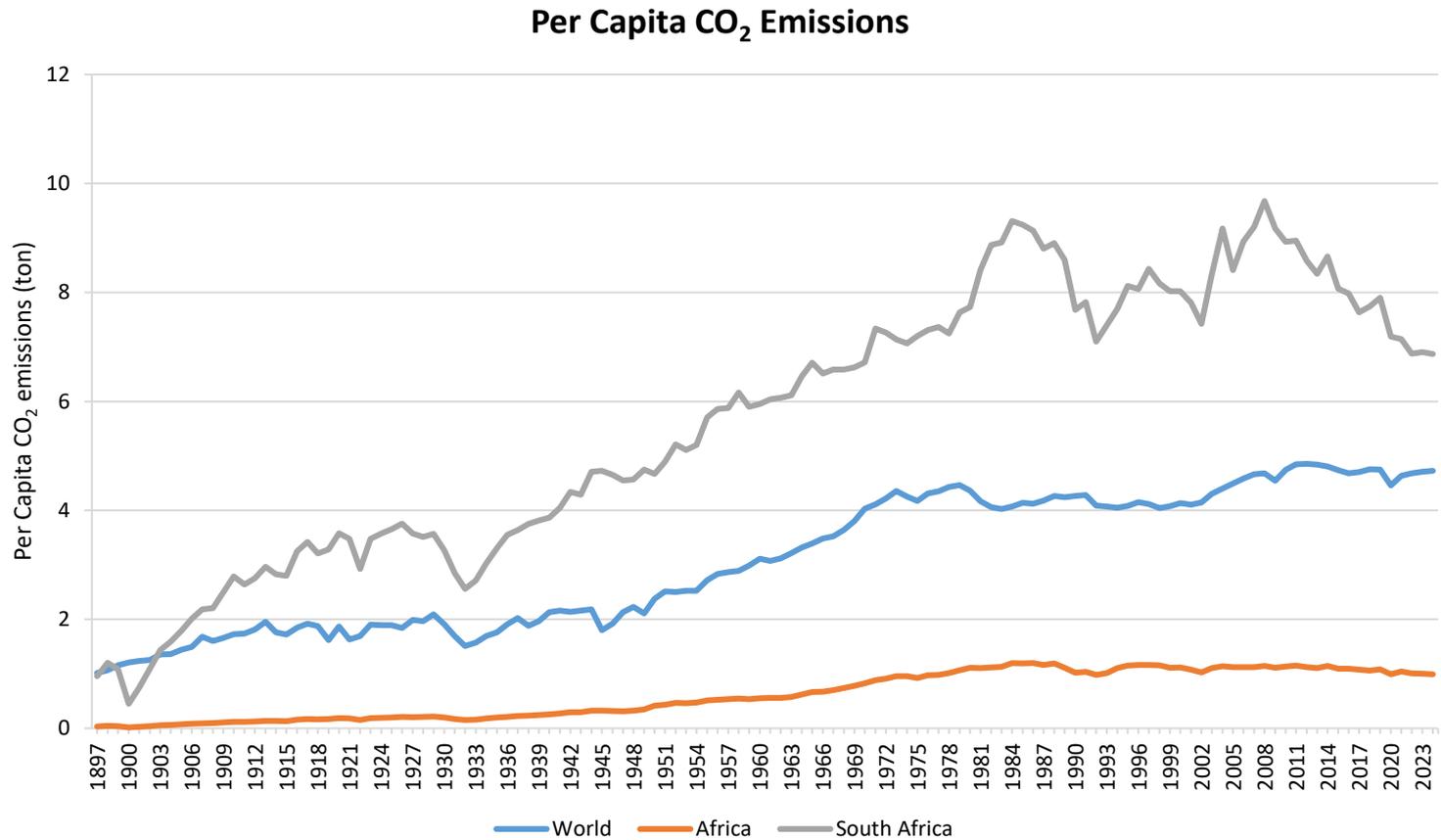
Africa's Emissions

SA versus Africa



Source: Global Carbon Atlas, 2026

Per Capita Emissions



Source: Our World in Data, 2026

Western Cape Emissions

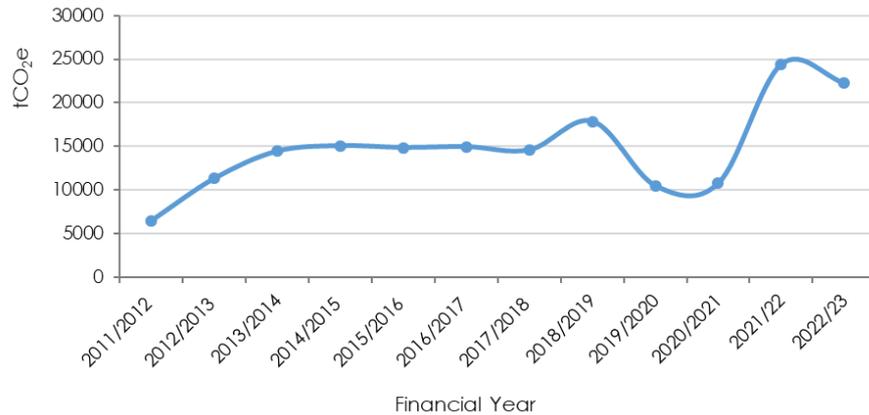
Table 1: GHG Emissions by the WC's AFOLU Sector (Year 2018)

Source (IPCC category)	GHG emitted (tonnes)			
	CO ₂	CH ₄	N ₂ O	CO ₂ e
3.A - Livestock				
3.A.1 - Enteric Fermentation		70,785		1,981,991
3.A.2 - Manure Management		21,021	678	768,296
3.B - Land				
3.B - Net change across land cover types	(1,701,586)			(1,701,586)
3.C - Aggregated sources and non-CO2 emissions sources				
3.C.1 - Emissions from biomass burning	4,650	8	1	5,022
3.C.2 - Liming	169,180			169,180
3.C.3 - Urea application				
3.C.4 - Direct N2O Emissions from managed soils			2,394	634,483
3.C.5 - Indirect N2O Emissions from managed soils			834	221,019
3.C.6 - Indirect N2O Emissions from manure management			279	73,812
3.D - Other				
3.D.1 - Harvested Wood Products	(38,844)			(38,844)
Total	(15,666,601)	91,815	4,185	21,113,372

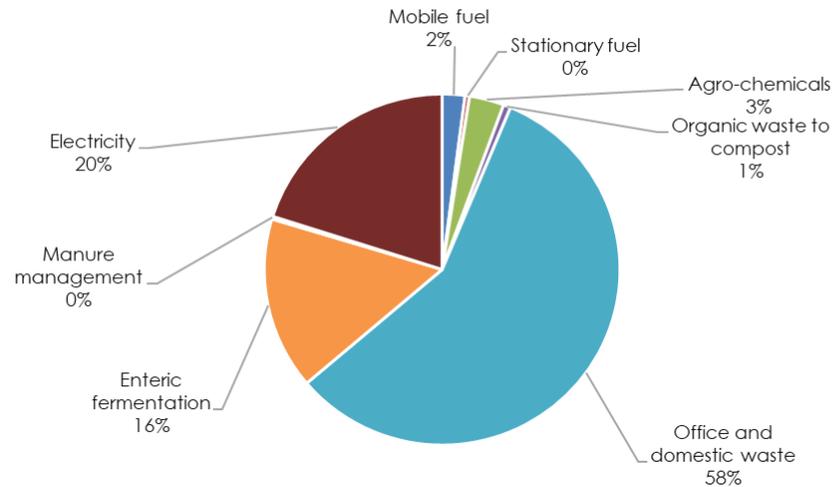
Source: DEADP, 2022

WCDOA – Research Farms

Total Emissions of WCDOA Research Farms



Aggregated Carbon Emission Activities for all WCDOA Research Farms: 2022/23



Source: WCDOA, 2026

Contact Us



Western Cape
Government



Vanessa Barends-Jones

Agricultural Economic Services

Tel: 021 808 7752

Fax:

Vanessa.Barends@westerncape.gov.za

www.westerncape.gov.za