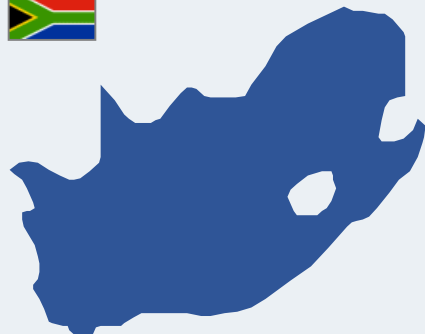


SAWS Web Portal and API

WeatherSMART Symposium

18-19 March 2019



57.1 Million SA Population

Top 5 Home Languages	Total (57 million)
iSizulu	11.6 million
IsiXhosa	8.2 million
Sesotho/Setswana	7.8 million
Afrikaans	6.9 million
English	4.9 million

Internet Users 30.8 m (54%)	Digital Optimism 37.2 m (66%)
Internet Access via Smartphone 21.3 m (69%)	Active Social Media Users 18.2m (32%)

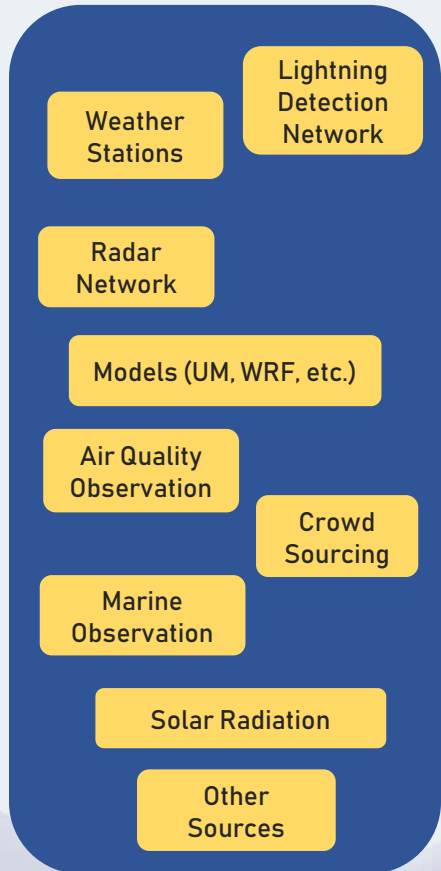
Source: Digital in 2018 Report

Key Objectives of the Web Portal and API

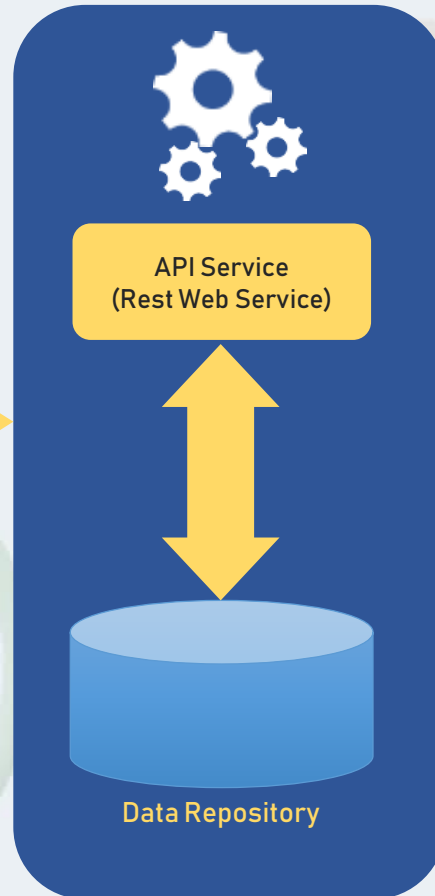
- Contribute towards the vision of SAWS to provide “South African Weather-related solutions for everyone, everyday!”
- Promote accurate, reliable and timeous delivery of weather forecasts, warning and alerts to the public;
- Share knowledge and information with partners and stakeholders in South Africa and around the world;
- Improve commercial revenue to further support the activities of SAWS (execution of its mandate);



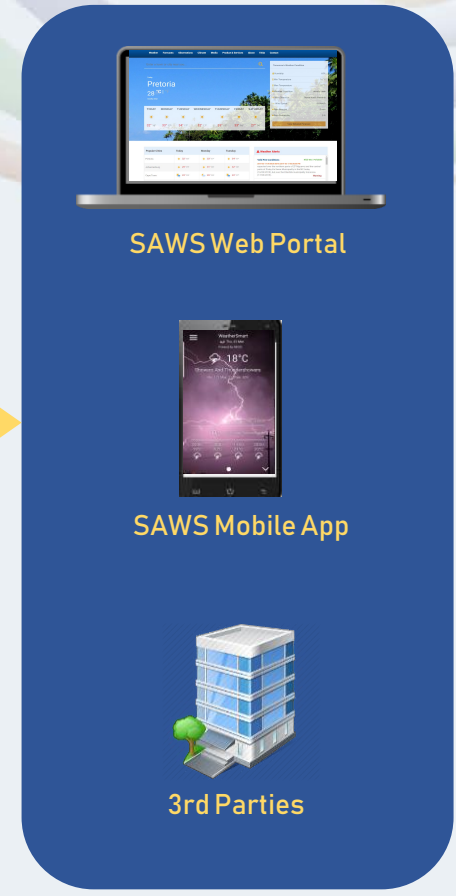
1 Collect from data sources



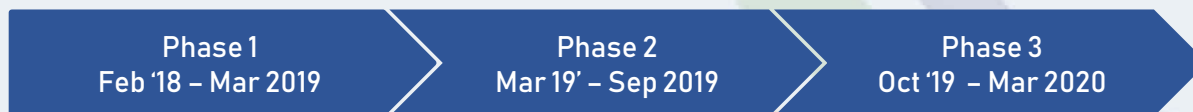
2 Process and store data



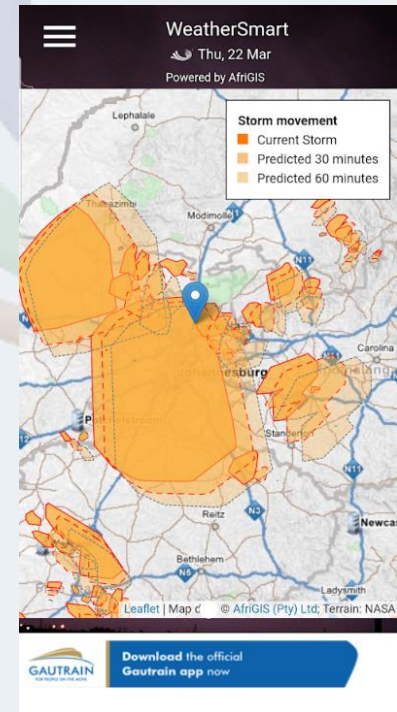
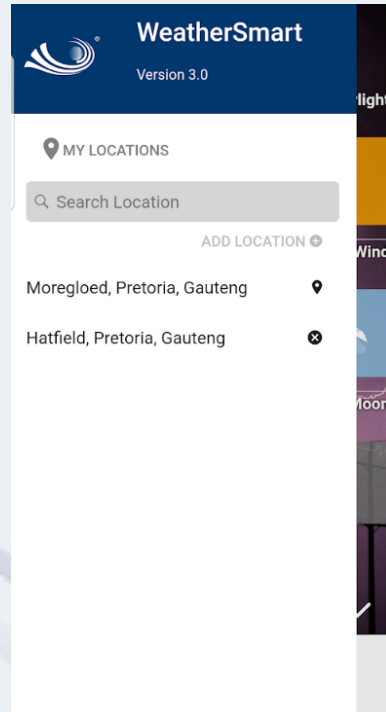
3 Access data via API



**South African
Weather Service**



Web Portal Features	Weather Forecast	Lightning Strokes	Impact based Forecast and Warnings
	Alerts & Warnings	Payment Portal	Real-time Satellite Display
	Real-time Station Data	Commercial API	Improve Mobile App
	Storm Tracker	Historical Data	
	Open API	Automated Reporting	
	Social Media Integration	Weather Dictionary	



WeatherSMART Mobile Application

- Location based forecasts
- Server weather warnings
- Storm tracking
- Weather notices, warnings and alerts
- Seven day weather forecasts

WeatherSMART app is available for download on the Apple (iOS) and Google Play(Android) stores

Weather Forecasts Observations Climate Media Product & Services About FAQs Contact

Enter a town or city near you...



Today

Pretoria

28 °C | °F

mostly clear

TODAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
32° 16°	33° 17°	34° 17°	32° 17°	33° 17°	33° 16°	27° 14°

Tomorrow's Weather Condition

Humidity	65%
Min Temperature	16 °C
Max Temperature	32 °C
Weather Condition	mostly clear
Wind Direction	North North Westerly
Wind Speed	5.0 km/h
Rain Amount	0 mm
Rain Probability	0 %

[View Detailed Forecast](#)

Popular Cities	Today	Monday	Tuesday
Pretoria	32° 16°	33° 17°	34° 17°
Johannesburg	29° 15°	31° 16°	32° 16°
Cape Town	23° 15°	25° 15°	23° 17°

Weather Alerts

Veld Fire Conditions

Khâi-Ma / Pofadder

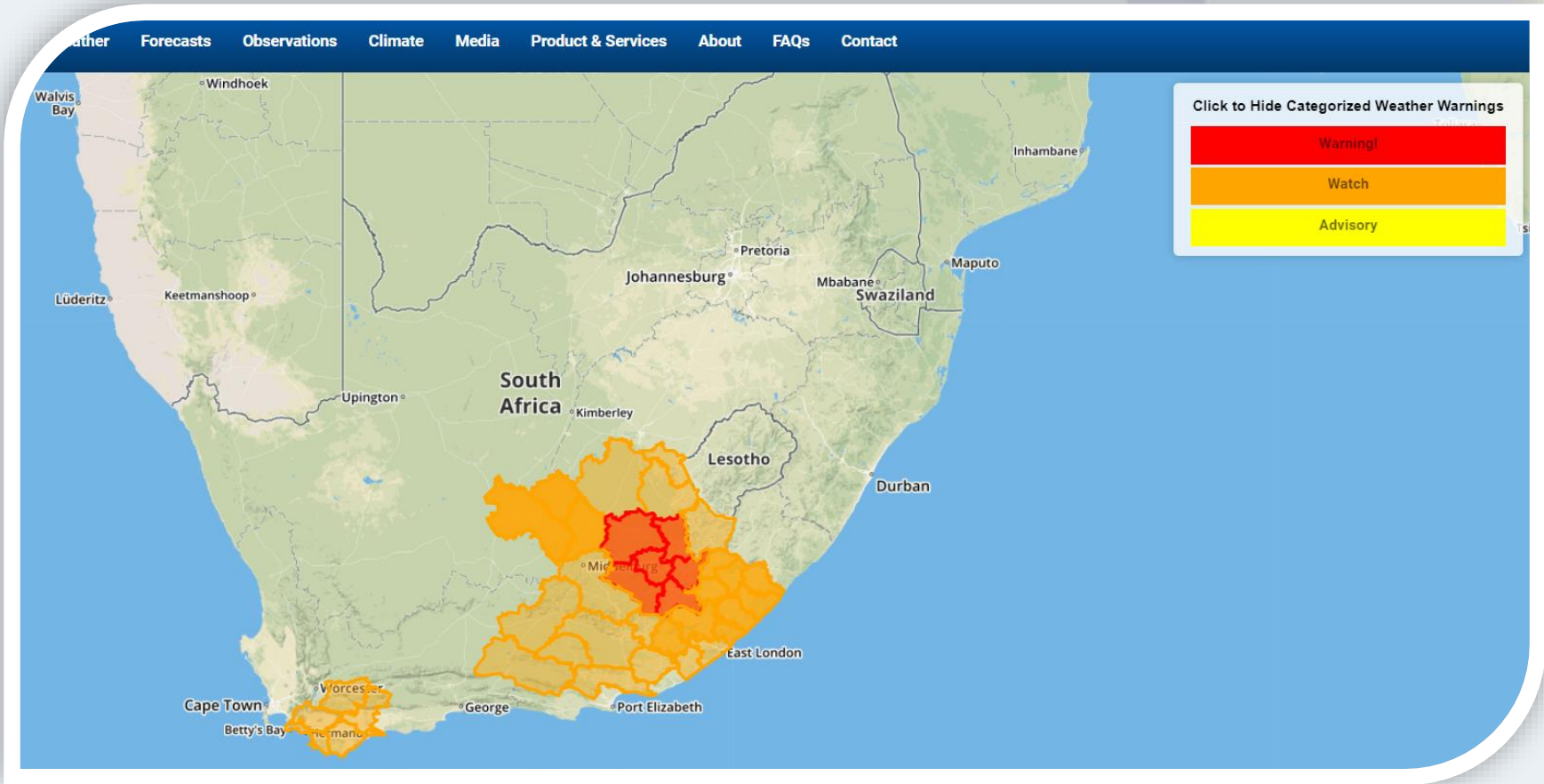
2019-03-17 09:00:00 AM to 2019-03-17 03:00:00 PM

expected over the northern parts of ZF Mgcawu and the central parts of Pixley Ka Seme Municipality in the NC today (16/03/2019), but over the Khai-Ma municipality tomorrow (17/03/2019).

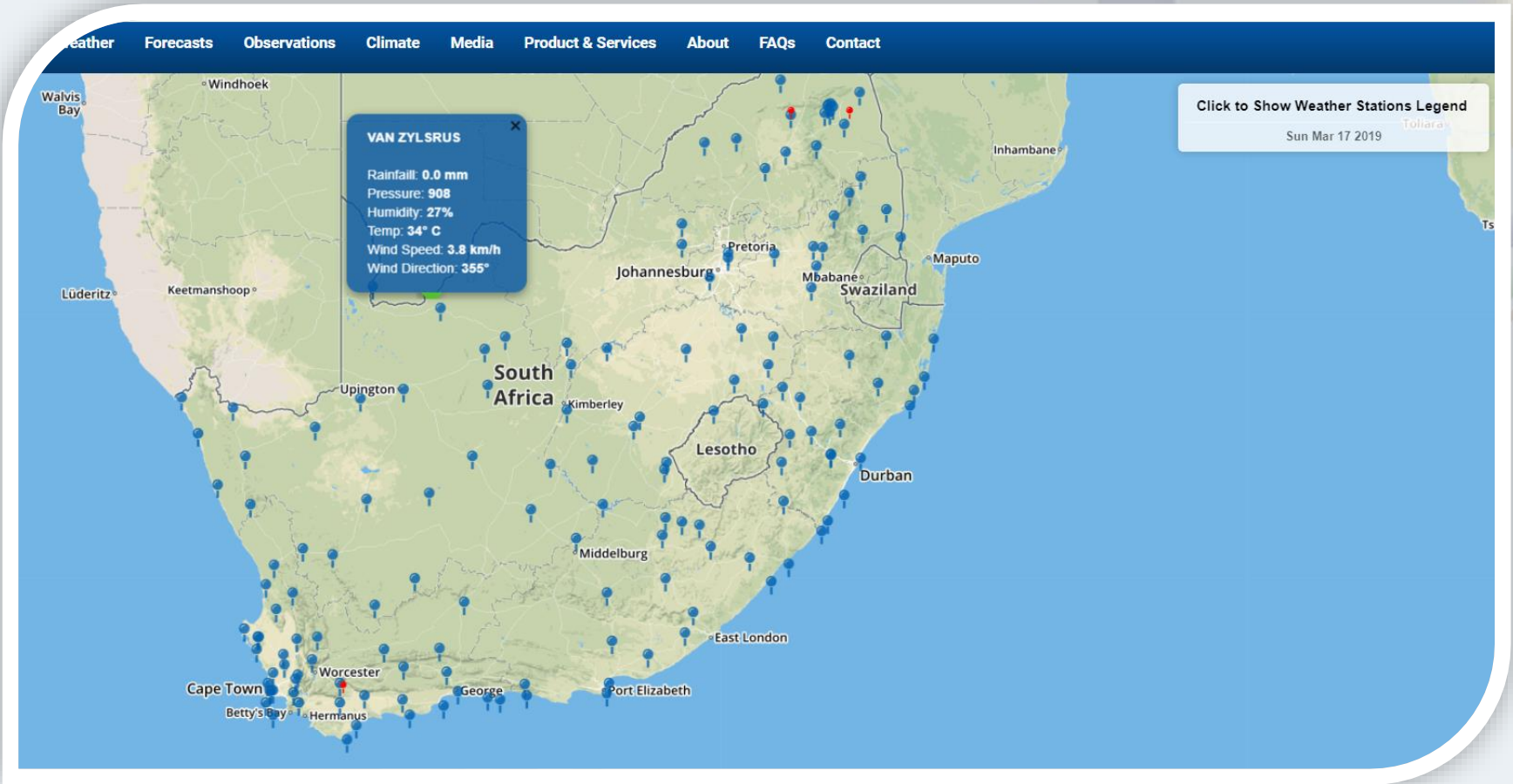
Warning



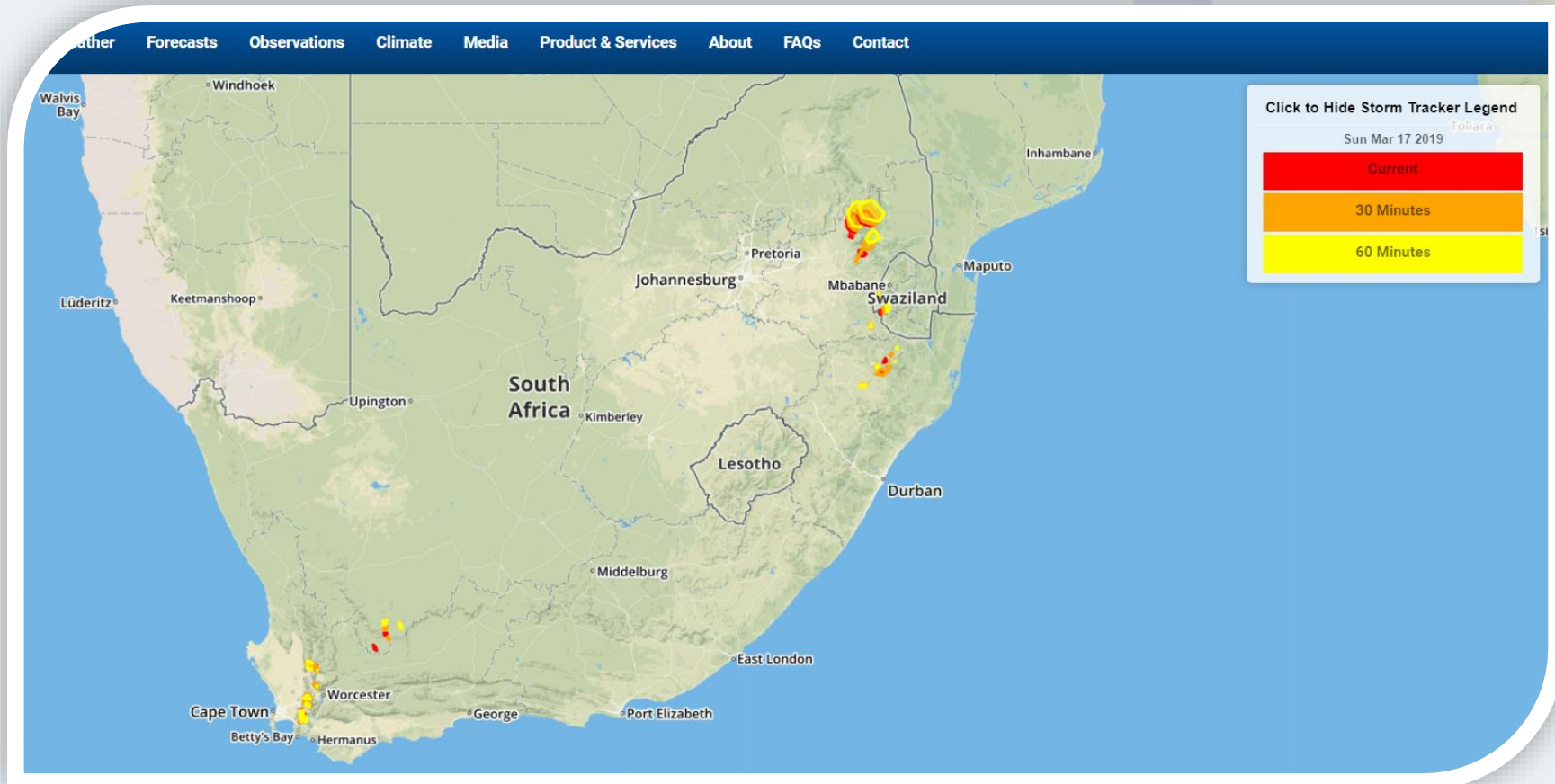
**South African
Weather Service**



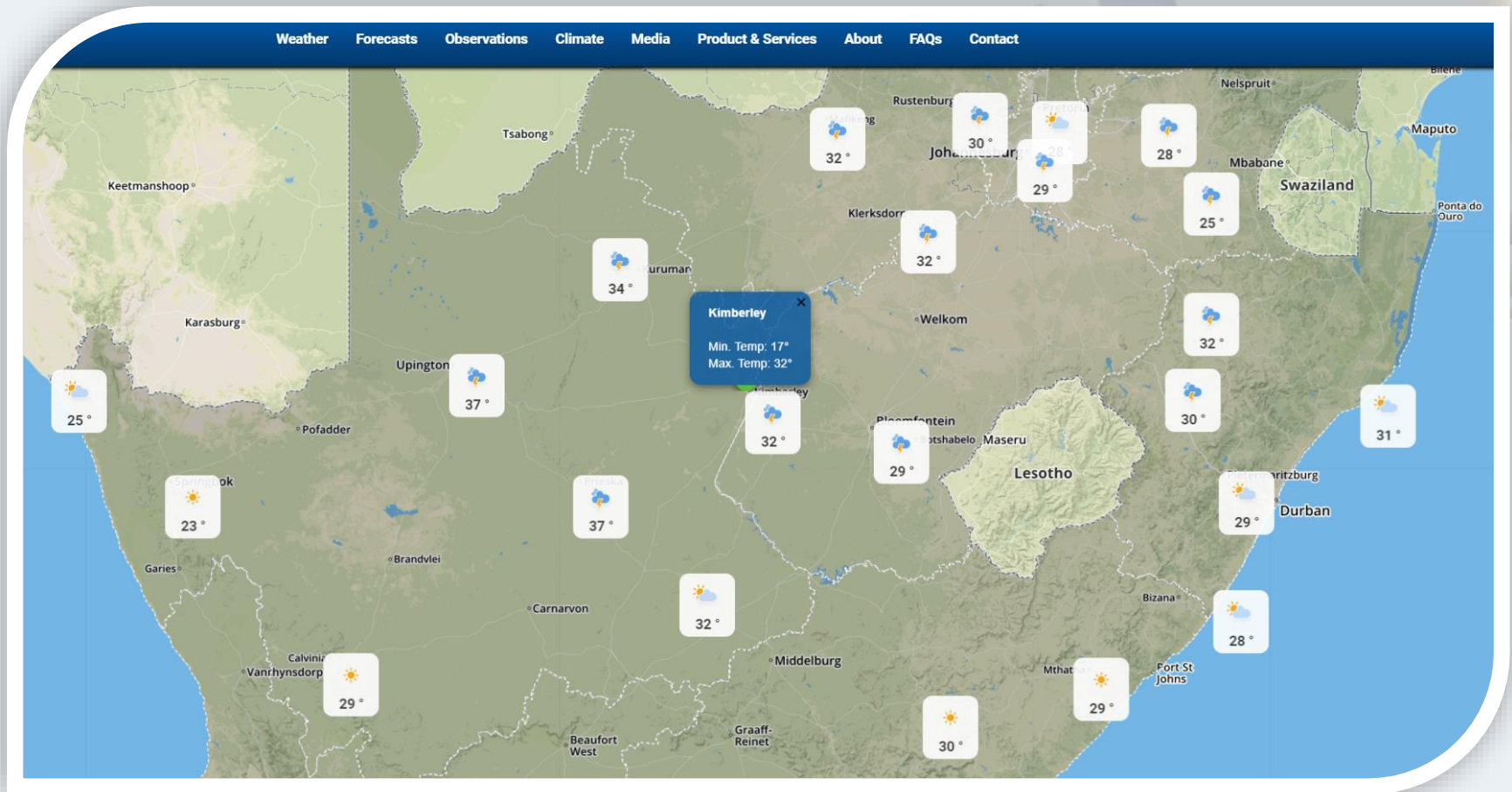
**South African
Weather Service**



**South African
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Min-Max Temperatures



**South African
Weather Service**



For more information

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