

PITCHES IN PERIL

Climate experts *Football For Future* examine how climate change is already affecting football and the risks that will escalate in the years ahead, using *Jupiter Intelligence*'s ClimateScore Global platform



PROFILE

Player: Dango Ouattara

Born: Ouagadougou, Burkina Faso

Grassroots club: Académie Foot Plus (AFP), Ouagadougou, Burkina Faso

How is climate change affecting Burkina Faso?

- Burkina Faso is facing rising temperatures, erratic rainfall, droughts, floods, and forest fires, which threatens agriculture, food security, and livelihoods.
- Burkina Faso is considered to be one of the countries that is more vulnerable to the impacts of climate change (39th of 187) and one of the least well positioned to

adapt to more extreme weather (170th of 187).

How will climate change affect Ouattara's grassroots pitch?

• Extreme heat

Temperatures are projected to rise; average annual temperatures are expected to be 17% higher by 2100, with maximum temperatures reaching 44°C annually by 2050 and 48°C by 2100. Heat already exceeds safe play limits on 58 days of the year, increasing to 139 days by 2050 and 231 days by 2100.

• Drought

Water stress is already extremely high in Ouagadougou - heavy rainfall can cause flash flooding but often fails to improve water availability, due to rapid run-off and limited storage capacity.

QUICK FACTS

The 10 hottest years on record in the UK have all occurred within Dango Ouattara's lifetime

By the time Ouattara turns 50, climate change could force 86 million Africans to move within their own countries

Since the Burkina Faso national team's first match in 1960, there has been a 76% decline in monitored wildlife populations across Africa

• Extreme weather events

More extreme and unpredictable weather events are expected, which will be increasingly disruptive to football. By 2100, the level of rainfall experienced during a 100-year extreme event is predicted to be 41% higher, and wind speeds 22% higher.

Final note

Grassroots pitches around the world are facing escalating climate hazards - including where Ouattara learned to play the game. Extreme weather is changing the game, which puts the future of football at risk.

By understanding the risks, we can prepare together and make sure everyone can keep enjoying football for generations to come.

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METRIC		2020	2050	2100
Extreme Heat Number of days per year that heat exceeds disruptive levels		199	233	275
		58	139	231
Extreme Heat Number of days per year that heat exceeds safe play limits		10	10	10
		128mm	140mm	167mm
Drought Total water stress, the ratio of human water demand against available supply		204mm	228mm	288mm
		88km/hr	91km/hr	100km/hr
Extreme rainfall Maximum total precipitation at the 10-year and 100-year extreme rainfall events	10 YEAR	119 km/hr	126 km/hr	145 km/hr
	100 YEAR			
Extreme wind Maximum one-minute sustained wind speed at the 10-year and 100-year extreme wind events	10 YEAR			
	100 YEAR			