

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: Nathan Collins

Age: 24

Born: Confey, Leixlip, County Kildare, Ireland

Grassroots club: Cherry Orchard FC, Ballyfermot, Dublin, Republic of Ireland

How is climate change affecting Ireland?

- Sea levels around Ireland have increased by 2-3mm every year since the 1990s.
- Temperatures in Ireland have already risen by 0.8°C since 1900, with further increases of up to 1.6°C by mid-century.

- Ireland is one of the least vulnerable countries to the impacts of climate change (168th of 187) and one of the readiest to adapt to more extreme weather (25th of 187).

How will climate change affect the grassroots pitches in Ballyfermot?

- **Extreme Weather Events**
- More extreme and unpredictable weather events are expected, which will be even more disruptive to football.
- By 2100, the levels of rainfall experienced during a 10 and 100-year extreme event are predicted to be 23% and 22% higher respectively.

QUICK FACTS

Since the Republic of Ireland reached the quarter-finals of the 1990 World Cup, Ireland has experienced 15 of its 20 warmest years on record.

By the time Collins is in his 50s, winter rainfall in Ireland will be 20% more intense and the country will have half as many frost days.

- **Extreme Heat**
- The average annual temperature is on an upward trend in the area, predicted to rise by 7% by 2050 and 29% by 2100.
- It is predicted that by 2100, one day of each year will be disrupted by extreme heat.

Final note

Grassroots pitches around the world are facing escalating climate hazards - including where Collins 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 here and in our community for generations to come.

Scan the QR code to learn more.

SCAN HERE TO EXPLORE



METRIC		2020	2050	2100
Extreme Heat Number of days per year that heat exceeds disruptive levels		0	0	1
		0	0	0
		0.11	0.12	0.15
Extreme rainfall Maximum total precipitation at the 10-year and 100-year extreme rainfall events	10 YEAR	62mm	66mm	76mm
	100 YEAR	96mm	102mm	117mm
Extreme wind Maximum one-minute sustained wind speed at the 10-year and 100-year extreme wind events	10 YEAR	94 km/hr	92 km/hr	85 km/hr
	100 YEAR	120 km/hr	117 km/hr	108 km/hr