

Extreme heatwaves and heavy rain storms are already happening with increasing regularity worldwide because of manmade climate change, according to new research.

Global warming over the last century means heat extremes that previously only occurred once every 1,000 days are happening four to five times more often, the study published in Nature Climate Change said.

It found that one in five extreme rain events experienced globally are a result of the 0.85C global rise in temperatre since the Industrial Revolution, as power plants, factories and cars continue to pump out greenhouse gas emissions.

"A lot of us and our colleagues were surprised by how high these numbers are already now in the present day climate," said Dr Erich Markus Fischer from the Swiss Federal Institute of Technology.

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