

Impact of climate change a huge concern

Climate change is happening faster, more intensely and, in many cases, at an unprecedented rate of change, according to a report of the Intergovernmental Panel on Climate Change (IPCC).



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"There are few surprises in this report, but the increase in the confidence around many observations just validates what we are seeing happening around us," says Samantha Smith, leader of WWF's Global Climate and Energy Initiative. "Since the IPCC issued its last report in 2007, terrestrial glacier loss and sea-level rise has dramatically accelerated; the Arctic summer sea ice losses are higher than originally projected and the last decade was the warmest since 1850."

Particular findings show major impacts on our oceans are a huge concern, as more than one billion people live and depend on oceans as their main source of food and livelihood. Ocean acidification since 1900 has increased by almost 30% and is probably at its strongest level over millions of years.

"It's CO₂, mainly from burning fossil fuels, that dissolves in oceans and may destroy an already fragile ecosystem in an almost irreversible way if mankind does not shift from fossil fuels to renewables as soon as possible", says Dr Stephan Singer, WWF's director of global energy policy. "Warmer and much more acid oceans are detrimental for fish, coral reefs and most other parts of marine ecosystems." It is incumbent on all sectors of society, including governments, to now act on the facts and science presented in this report which has gone through an unprecedented process of review, he added.

Renewable energy

"Energy accounts for more than two-thirds of greenhouse gas emissions. In South Africa, coal-fired electricity accounts for about 90% of energy mix. For this reason we are calling for double the effort and double the ambition," explains Saliem Fakir, head of WWF South Africa's Living Planet Unit.

"Government has already committed to generating around 19 gigawatts of electricity through renewable energy by 2030. Doubling the effort means delivering on that far sooner than the deadline. Doubling the ambition means finding the money

and reducing the capital required to increase our goal from 19 gigawatts to 38 gigawatts. In other words, government needs to pull out all the stops to remove outstanding barriers and to look at innovative ways of reducing the financial cost of renewables."

"Whichever facts may be discussed, debated or distorted, we cannot ignore the reality that we must act or face frightening new impacts," Smith says. "We know that most of the pollution that causes climate change comes from burning fossil fuels. WWF calls on governments and investors to stop investing in dirty energy and start an immediate and just transition by investing in renewables."

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