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CLIMATE CHANGE INSTITUTE

October 2018

On Monday the Intergovernmental Panel on Climate Change (IPCC) released their [Special Report on Global Warming of 1.5°C](#). The report finds that at current rates of temperature increase, we are likely to reach 1.5°C warming by 2040. It also highlights dramatic differences in impacts between 1.5°C and 2°C. A 2°C rise would result in practically total loss of tropical coral reefs and impacts from sea level rise, more droughts, greater damage from extreme climate events, water, fires, biodiversity, human health and poverty.

Whilst the findings are sobering, it is not impossible to limit warming to 1.5°C if we act now. Decarbonisation is already happening and there is much more that can be done to transform our energy systems, our consumption, our food systems and our economies generally. But one of the key messages is that the longer we leave taking action, the faster we'll have to reduce greenhouse gases and the more it will cost through unwanted impacts.

Scroll down for commentary on the report and, if you missed our public lecture, you can download my presentation summarising its key findings [here](#).

The report was released against a backdrop of increasing concern about

climate change in the wider Australian community. Three recent polls have identified that almost [eight out of ten Australians accept the scientific evidence that our climate is changing](#). There is also very strong, and increasing, support for more government action to address climate change.

So the next ten years will be crucial - there is no time to lose. Even half a degree of temperature rise will have an enormous impact on the lives of billions of people around the world, not to mention our environment and ecosystems.

We have much, although not all, of the technology required. What we've been lacking is the sense of urgency and the political will to put the required transformational changes into practice.

Regards,

Professor Mark Howden
Director, ANU Climate Change Institute

Events



Power, Protest, Norms and Networks: Fossil fuels and the new politics of climate change

Tues 16 Oct, 12.30-1.30pm

[Read more](#)



Social equity in the energy transformation

Tues 23 Oct, 8.30am - 4pm

News

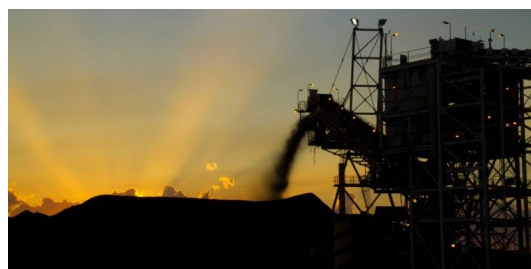


New UN report outlines 'urgent, transformational' change needed to hold global warming to 1.5°C

Lamis Kazak, Prof Mark Howden & Dr Bec

Colvin, The Conversation, 8 Oct

[Read more](#)



Coal is on the way out, the only question is how quickly

Prof Mark Howden & Prof Frank Jotzo, Sydney

[Read more](#)

Morning Herald, 10 Oct

[Read more](#)

ANU Energy Update and Solar Oration

Thursday 29 November

[Read more](#)

News



New research finds Australians increasingly concerned about climate change

[Read more](#)

Who'll pay for the loss and damages caused by climate change?

[Read more](#)

Expert commentary on IPCC Report on 1.5C Global Warming

[Read more](#)

News



Energy Change Institute wins \$10m for zero-carbon energy for Asia-Pacific project

[Read more](#)

Australia's lightbulb moment - how to decarbonise the world's energy supply

Podcast with Dr Emma Aisbett, Dr Paul Burke
& Dr Matt Stocks

[Listen to podcast](#)

Educational opportunities

New PhD scholarship now open: [Climate Visualisation](#)

Short course: [Energy Literacy for Professionals](#),

Scholarship applications open for [Master of Energy Change](#)

Other news

[Voters of Wentworth can send a message on climate governance](#), Sydney Morning Herald, 10 Oct

[In a canter? Climate experts say Australia will not meet emissions targets](#), The Guardian, 11 Oct

[Drought could lead to spike in gastro cases](#), Canberra Times, 11 Oct

Other events

[Download slides from public lecture on the IPCC Special Report on Global Warming of 1.5°C](#)

[Surviving the Era of Disasters](#), Dr Robert Glasser, 1 Nov, 5.30-7.30pm



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