



Building partnerships for robust climate risk assessments: why, what, how, when?

Tuesday 21 July 2020, 11.30am–12.30pm (AEST)

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Climate change information and services are increasingly recognised as important inputs into risk assessments, policy processes, planning and management strategies and financial disclosures by decision makers across Australian sectors including ecosystem management, agriculture and horticulture, water resource and energy management and the financial services sector.

The Earth Systems and Climate Change Hub has been working with its stakeholders to better understand their climate information needs. Feedback from our stakeholders indicates that there is still a lot of stakeholder uncertainty about how the climate system works, how the climate is changing and what climate change projections actually tell us. This means that existing climate change information and tools are not being readily accessed, understood and applied to inform decision and policy making.

The Hub is therefore developing a climate change information toolkit to build both understanding of climate change and capability for using climate change information for decision making. The toolkit provides stakeholders with a better understanding of the climate system and the confidence to find and use climate change information to inform decisions. The development of the toolkit is being informed by participant feedback from pilot workshops around the country, with over ten workshops held with various stakeholder groups to date.

In this webinar, ESCC Hub leader Professor David Karoly will use the toolkit developed by the Hub to provide an overview of why and what climate change information can be used for informing robust risk and impact assessments. David will also discuss how and when to use climate information in decision making, using a number of current Hub case studies and engagements as examples.



Professor David Karoly is Leader of the Earth Systems and Climate Change Hub in the Australian Government's National Environmental Science Program, based in CSIRO. He is also an honorary Professor at the University of Melbourne. David is an internationally recognised expert on climate change and climate variability.

Professor Karoly was a member of the National Climate Science Advisory Committee (2018-2019) and the Climate Change Authority (2012-2017), where he provided advice to the Australian government on climate change science and responding to climate change. He contributed to Assessment Reports of the Intergovernmental Panel on Climate Change in 2001, 2007, 2014 and 2021. In 2019, David was elected as a Fellow of the Australian Academy of Science.

Content for this webinar was sourced from outputs from [Case Study 5.4: Climate change 101 toolkit](#).

The Earth Systems and Climate Change Hub science webinars are open to anyone interested in finding out more about the Hub's research (noting that some understanding of climate change science and the fields being discussed will be assumed).