

Regional climate Information: Australia, New Zealand and Antarctica

Monday 8th Nov 2021 09:15 - 10:45 GMT

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Website: <https://apps.ipcc.ch/outreach/programme.php?q=17&e=1>

Description (max 250 words)

In this side-event the latest knowledge on climate change will be presented by IPCC authors for Australia, New Zealand (Australasia) and Antarctica from the recently released Working Group I contribution to the IPCC sixth assessment report. The session will provide an overview of the main changes that have been observed and are expected with further global climate change.

For Australia and New Zealand additional findings for the key climatic impact drivers such as fire weather, marine heatwaves and snow cover will also be presented.

For Antarctica the implications of Antarctic ice changes on global sea level will be described.

The first part of the event will then conclude with a presentation of the IPCC Interactive Atlas, demonstrating how it facilitates exploration of many of the datasets used in the main assessment and also the synthesis information on climate change over Australia, New Zealand and Antarctica presented in the Summary for Policymakers and the Technical summary.

The second part of the event will comprise three breakout groups focusing on the regions: 1: Australia; 2: New Zealand; 3: Antarctica. The breakout groups will facilitate interaction between WGI authors and participants, providing the opportunity to raise and respond to questions, and discuss other comments or concerns. Each will be led by at least one facilitator, and a rapporteur from each group will report any key topics raised in the discussions back to plenary.

Agenda

	Activity	Presenters
	Plenary (50 minutes)	

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	Introduce session and panel	Chair: Pandora Hope
9:15-9:35	Regional climate: Australia and New Zealand <ol style="list-style-type: none"> 1. Overview of observed and projected trends in Australia and New Zealand temperature and rainfall 2. Introduction of climatic impact drivers, including fire weather, marine heatwaves and snow cover 3. Regional focus on projections of average and extreme rainfall changes in northern, central, southern and eastern Australia and New Zealand. 	Shayne McGregor
9:35-9:40	Q&A on Australia and New Zealand climate	Panel
9:40-9:50	Regional climate and ice sheet response: Antarctica <ol style="list-style-type: none"> 1. Overview of Antarctic surface air temperature changes by 2100 under 2 emissions scenarios 2. Overview of Antarctic sea ice changes by 2100 under 2 emissions scenarios 3. Ice sheets and global sea level rise 4. Sea level projections for this century, including 'low likelihood, high impact' storyline 5. Multi-century sea level rise and the 'hidden commitments' 6. Multi-millennial commitment to GMSL 	Nick Golledge
9:50-9:55	Q&A on Antarctic climate	Panel
9:55 – 10:05	Interactive Atlas Demo	Maialen Iturbide; Jorge_Baño
Breakout Groups (30 minutes)		Pandora Hope
10:05-10:35	Break-out Rooms <ol style="list-style-type: none"> 1. Australia Shayne McGregor; Pandora Hope; Roshanka Ranasinghe 2. New Zealand Olaf Morgenstern; Blair Trewin 	

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	3. Antarctica Nicholas Golledge	
10:35-10:45	Wrap up and report back	Panel

Speakers/Panelists

- Pandora Hope
- Shayne McGregor
- Roshanka Ranasinghe
- Blair Trewin
- Olaf Morgenstern
- Nicholas Golledge
- **Interactive Atlas Demonstration:** Maialen Iturbide; Jorge_Baño

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