

**The 2021 Queensland Disaster
Management Research Forum**
- Final Program

Wednesday 14 July, 2021
Online via the QFES Livestream Channel

Welcome to the 2021 Queensland Disaster Management Research Forum

The Research Forum can be viewed virtually through the following link:

<https://livestream.com/qfes/events/8858487>

We will be using Slido to engage with you throughout the day.

Please use the following details to ask questions of our presenters and panellists and participate with the virtual discussions across the day:

Join at **slido.com** with code **#686546**

We hope you enjoy the inaugural Queensland Disaster Management Research Forum.

Looking Back – Being Present – Looking Forward

9:00-9:15am	Session 1: Opening and Introduction – Associate Professor Cheryl Desha (Griffith University)
	<p>Welcome and housekeeping</p> <p>Welcome to Country</p> <p>Opening remarks – the Honourable Mark Ryan, Minister for Police and Corrective Services and Minister for Fire and Emergency</p> <p>Dealing with complexity – IGEM Mr Alistair Dawson APM</p>
9:15-11:15am	Session 2: Looking Back – Dr Margaret Cook (University of the Sunshine Coast)
	Oral histories of Yasi - Dr Deb Anderson (Queensland State Library Fellowship, Monash University)
	'It doesn't seem like it's real': Remembering the Night of Noah, Townsville's flood of 1998 - Dr Rohan Lloyd (James Cook University)
	Brisbane 2011 – 10 years on – Dr Margaret Cook (University of the Sunshine Coast)
	The 2019 Flood in Townsville - Drought and Deluge in a Historical Perspective – Patrick White (James Cook University)
	Unprecedented? Pandemic memory and responses to Covid-19 in Australia and New Zealand - Dr Claire Brennan (James Cook University)
	Listening to the memories of survivors – Dr Scott McKinnon (University of Wollongong)
	Looking back: what the geological record can tell us about earthquake hazard – Dr Dan Clark (Geoscience Australia)
	Looking Back Panel – Does history help or hinder? Host Dr Margaret Cook
	<p>Ms Cathy Buck, Coordinator Disaster Management, Sunshine Coast Council</p> <p>Mr Mike Lollback, Local Government Association of Queensland</p> <p>Dr Scott McKinnon, Australian Centre for Culture, Environment, Society and Space, University of Wollongong</p> <p>Associate Professor Amisha Mehta, School of Advertising, Marketing and Public Relations, QUT</p> <p>Mr Collin Sivalingum, State Manager, Emergency Services, Australian Red Cross</p> <p>Dr Claire Brennan, College of Arts, Society & Education, James Cook University</p> <p>Ms Jade Gould, Chair, Butchulla Aboriginal Corporation</p>

11:15- 11:30am	<i>Early Career Researcher Videos/Showcase</i>
	<p>Building Tourism Organisational Resilience to Natural Disasters - Yawei Jiang (University of Queensland)</p> <p>Reducing extreme heat health risks in the public realm – how can urban design policy play a greater role? Ryan McNeilly Smith (University of the Sunshine Coast)</p> <p>Walking the talk? Local level collaboration for resilience (3.49) Rebecca McNaught (Griffith University)</p>
11:30- 12:30pm	<i>Session 3: Being Present – Dr Alastair Stark (University of Queensland)</i>
	<p>The Ecology of Recovery: - How preparedness, response and recovery systems work together to create a comprehensive mental health safety system in response to drought, natural disasters and emergency incidents in Queensland – Dr Ben Norris (Queensland Health)</p> <p>An innovative resilient hospitals decision-support model – Dr Heba Mohtady Ali (Griffith University)</p> <p>Human rights and disaster management in Queensland – Professor Susan Harris-Rimmer (Griffith University)</p> <p>Towards protective action: A seven-year research program investigating effective risk and warning communication during natural hazards to encourage community behaviour change - Associate Professor Dominique Greer (QUT)</p> <p>Leading action research for person-centred emergency management - Ms Helen Styles (Mackay Regional Council)</p> <p>Understanding under and non-insurance amongst renters in Cairns – Dr Nick Osbaldiston (James Cook University)</p> <p>Improving resilience-based disaster risk management – Jonathan Raikes (University of the Sunshine Coast)</p> <p>Floodway Behaviour During Extreme Flood Events – Isaac Greene (University of Southern Queensland)</p> <p>A state-wide operational burned area mapping methodology - Thomas Franz (Department of Environment and Science)</p> <p>Using fuel distribution to manage the flammable ecosystem of southeast Queensland: Technological advancements, current practices, key challenges and gaps - Dr Sanjeev Kumar Srivastava (University of the Sunshine Coast)</p>

12:30-1:15pm	<i>Early Career Researcher Videos/Showcase</i>
	Necessary integrated approaches for disaster risk reduction and climate change adaptation through effective community engagement - Carla Selina Baybay (Griffith University)
	Interaction design technologies for children to learn safe behaviour in natural emergency situations - Mehrnoosh Mirzaei (QUT)
	Philanthropic responses to disaster - an edited book to be published in 2022 - Dr Alexandra Williamson (QUT)
	Bushfire Resistant Lightweight Aggregate Masonry Blocks - Indunil Erandi Ariyaratne (QUT)
	Building Safety in Bushfires: A Computational Fluid Dynamics Modelling Approach - Sahani Hendawitharana (QUT)
	Full-scale Test of a Safe Room under Simulated Bushfire Conditions - Sahani Hendawitharana (QUT)
	Improving the safety of steel roof and wall claddings in bushfires - Lisa Pieper (QUT)
	Understanding disaster preparedness and preparedness behaviours among pharmacists: A multi-phase study in Australia, Dr Elizabeth McCourt (Queensland Health)
	Building business resilience to external shocks: The role of social networks to small tourism & hospitality businesses - Wendy Pham (University of Queensland)
	Storm tide assessment-Tropical Cyclone Debbie case study - Gaelle Faivre (Griffith University)

1:15-2:30pm	<i>Looking Forward – Mr Peter Jeffrey (Manager, City Resilience Branch, Brisbane City Council)</i>
	A system dynamics model for understanding poor mental health outcomes among regional Queenslanders affected by drought and disasters - Dr Craig Jacobson (University of Queensland)
	Transmedia storytelling in disaster risk communication – Dr Jenny Hou (QUT)
	Stories of resilience and recovery – Professor Karine Dupre (Griffith University)
	Leadership learning and development options for volunteer firefighters / emergency responders: An Australian Capability Gap – Haydn McComas (Griffith University)
	Building Resilience to Sea Level Rise and Coastal Flooding - Dr Aysin Dedekorkut-Howes (Griffith University)
	What motivates, allows and sustains people to live-in disaster-prone regions following repeated natural disaster – Marie Fredriksen (QUT)

1:15-2:30pm	<i>Looking Forward – Mr Peter Jeffrey (Manager, City Resilience Branch, Brisbane City Council)</i>
	Transformation and Climate Adaptation: Why, What and How – Dr Edward Morgan (Griffith University)
	Local food resilience and contingency plans in Queensland - Dr Kim Reis (Griffith University)
	Codesigning educational facilities for disaster preparedness and response: Sharing the journey and insights into partnerships and collaboration - Assoc Prof Cheryl Desha, Savindi Caldera and Dr Nancy Spencer (Griffith University)
	QFES Research Function - Dr Mike Carrol and Matthew Dyer (QFES)
2:30-3:00pm	<i>Early Career Researcher Videos/Showcase</i>
	Collective continuity, community cohesion and the threat of catastrophic bushfires - Michael Dare (University of Queensland)
	Framework for probabilistic downburst risk assessment of distributed power systems - Mosaruf Hussan (University of Queensland)
	Food contingency planning for vulnerable communities within Disaster Management: An assessment of the Cairns Region’s vulnerable communities - Prudence Liddy
3:00 – 4:15pm	<i>Futures Panel - Opportunities and Enablers of Change – host Professor Luke van der Laan (USQ)</i>
	Mr Alistair Dawson, Inspector General Emergency Management Mr Brendan Moon, CEO, Queensland Reconstruction Authority Professor Hugh Possingham, Queensland Chief Scientist Mr Doug Smith, Deputy Commissioner Strategy and Policy, Queensland Police Service Associate Professor Cheryl Desha, Griffith University Dr Anne Swinbourne, James Cook University Professor Bela Stantic, Griffith University Ms Sioux Campbell, Disaster Management Resilience Officer, Cairns Regional Council
4:15	<i>Reflections and Close – Associate Professor Cheryl Desha</i>

