



Science to Practice Forum

Program

7 to 9 June 2022

The department acknowledges the traditional custodians of Country throughout Australia and their continuing connection to land, sea and community. We pay our respects to their cultures and their Elders, past and present.

Drought is an enduring feature of the Australian landscape. It has significant economic, social and environmental impacts. The \$5 billion Future Drought Fund (FDF) provides secure, continuous funding for drought resilience initiatives. It aims to help Australian farms and communities prepare for the impacts of drought.

About the Science to Practice Forum

This event connects researchers, farmers, agribusinesses, community members and governments to discuss practical opportunities and strategic challenges in building drought resilience across Australia.

In 2021, the inaugural forum brought over 860 people together to help build the foundations for drought resilience. With a solid foundation in place, the 2022 forum will focus on the broad themes of:

- drought resilience: economic, environmental, and social—including mental health
- successes and pitfalls of diverse collaboration
- the extension of science to farms and farmers.

The forum also brings together the FDF's eight Drought Resilience Adoption and Innovation Hubs (the Hubs). Hub members will be available to answer questions in their virtual booths and their work will be showcased through presentations. There will also be opportunities to interact with representatives from other Future Drought Fund programs.

Registration

The forum is a hybrid format that combines a virtual event with eight physical venues around Australia. This means that participants can attend virtually or in person.

Details about your nearest in-person event are available on the forum registration page. Whether you will attend in-person or remotely, [please register for the Future Drought Fund Science to Practice Forum 2022 event](#) so you can ask questions of presenters, visit booths, join networking sessions, and participate in the chat and polls.

DAY 1: Tuesday 7 June 2022

All times are Australian Eastern Standard Time

Welcome

10:00 – 10:30

Welcome to Ngunnawal Country

Our progress towards drought resilience

Brent Finlay (Chair) and Caroline Welsh, Future Drought Fund (FDF) Consultative Committee

How the Future Drought Fund supports Australians in preparing for drought

Travis Bover, Assistant Secretary, FDF Branch, Department of Agriculture, Water and the Environment (DAWE) | Kimberley Shrides, Principal Director, Drought Resilience Research and Adoption Branch, DAWE

Harnessing innovation Part 1

10:30 – 12:00

SWWA HUB SNAPSHOT VIDEO

South-West WA Hub showcase: Innovative water supply options for the future

WaterSmart Farms: Using desalination to turn a problem into an opportunity:

Dr Richard George, Principal Research Scientist, WA Department of Primary Industries and Regional Development (DPIRD)

WaterSmart Dams: Making sure you have enough water to get you through the next drought:

Associate Professor Nik Callow, University of Western Australia | *DPIRD and UWA are partners of the South-West WA Hub | This project is funded by the FDF Drought Resilience Innovation Grants*

Disruptive agricultural innovation: Resilient production systems for a changing climate

Cal Archibald, Director, Beanstalk Ag Tech | *Network partner of the Tropical North Queensland Hub, and partner of the Tasmania, and Southern Queensland and Northern NSW Hubs*

Walking the talk of drought innovation

Dr Alison Southwell, Executive Officer, Holbrook Landcare Network | *Recipient of a FDF Drought Resilient Soils and Landscapes Grant and partner of the Southern NSW Hub*

SQNSW HUB SNAPSHOT VIDEO

Southern Queensland and Northern NSW Hub showcase: Using weather data to predict risks and opportunities for livestock farmers with Ag360

Lu Hogan, Armidale Node Manager, Southern Queensland and Northern NSW Hub

12:00 – 13:00

Lunch

Hub members available to answer questions in their virtual expo booths

Harnessing innovation Part 2

13:00 – 14:30

TNQ HUB SNAPSHOT VIDEO

Tropical North Queensland (TNQ) Hub showcase: Commercialising farmers' ideas through the TNQ Hatch program

Darryl Lyons, Indigenous Entrepreneur in Residence, James Cook University Ideas Lab, Tropical North Queensland Hub

Protecting Indigenous Cultural and Intellectual Property while innovating in agriculture

Laura Melrose, Solicitor, and Joel Murgha, Solicitor, Terri Janke and Company | *Advisors to the FDF on Indigenous Cultural and Intellectual Property (ICIP)*

Sharing drought resilient animal production knowledge via the Hubs

Sarah Strachan, Group Manager, Adoption and Commercialisation, Meat and Livestock Australia | *Member of the South Australian Hub, and supporter of the Tropical North Queensland, Southern Queensland and Northern New South Wales, and South-West WA Hubs*

Cautionary tales from the WA Drought Reform Measures pilot program (2010-11) and other experiences

Dr Christine Storer, Senior Lecturer in Agribusiness, Charles Sturt University

Rebecca Heath, Senior Development Officer, DPIRD

John Noonan, Executive Director, College of Extension | Adjunct Senior Lecturer, Curtin University

Dr Roy Murray-Prior, Principal Consultant, Agribiz RD&E Services

Michael Quartermaine, Director, Growing Australia

DPIRD is a member of the Northern WA and NT Hub, and partner of the South-West WA Hub | The College of Extension is a member of the Northern WA and NT and South-West WA Hubs, and a supporter of the Southern NSW, Tasmania, and Victoria Hubs

Drought Resilience Mission: Putting CSIRO science into practice

Dr Graham Bonnett, Leader Drought Resilience Mission, CSIRO | *Informal collaborative partner in all eight Hubs*

14:30 – 15:00

Afternoon tea

Hub members available to answer questions in their virtual expo booths

Better land management

15:00 – 16:50

NWANT VIDEO: Hub snapshot

Northern WA and NT Hub: Applying best practice pastoral land management to Aboriginal lands for future drought

Steve Robertson, Manager, Indigenous Pastoral Program, Northern Territory Department of Primary Industry and Resources (DPIR) | *DPIR is a member of the NWANT Hub*

The Noongar Boodjar Rangers saving seed to heal land and build drought resilience

Dr Karl O'Callaghan, CEO, Wheatbelt NRM | Jermaine (Bomber) Davis, Project Delivery Officer, Wheatbelt NRM | *Wheatbelt NRM is a partner of the South-West WA Hub*

Reading the landscape to identify disturbances and fortify farming systems

Glenn Landsberg, Project Officer (Charleville), Southern Queensland Landscapes | *Member of the Southern Queensland and Northern NSW Hub*

PANEL: How do you build drought resilience in organic production systems?

- Niki Ford (Chair), CEO, Australian Organic Limited | *Partner of the Southern Queensland and Northern NSW Hub*
- Melinee Leather, Owner/Manager, Leather Cattle Company, Banana QLD
- Nathan Moore, Sustainability Manager, Arcadian Organic Meats
- David Keens, Bio-dynamic Almond, Citrus grower, Manna Farms Pty Ltd, VIC

SA HUB SNAPSHOT VIDEO

South Australian Hub showcase: Supporting farmers along Goyder's Line

Taryn Mangelsdorf, Sustainable Agricultural Officer, Northern and Yorke Landscapes Board | *Member of the South Australian Hub | This project is funded by the FDF NRM Drought Resilience Program – Landscapes*

Closing

16:50

Closing remarks from Day 1

Kerren Crosthwaite, First Assistant Secretary, Drought and Farm Resilience Division, DAWE

DAY 2: Wednesday 8 June 2022

All times are Australian Eastern Standard Time

Soils in focus

10:00 – 11:15

Welcome

Andrew Metcalfe AO, Secretary of the Department of Agriculture, Water and the Environment (DAWE)

New resources for managing soils for drought

Dr Michael Crawford, CEO, Soil CRC | *Supporter of all eight Hubs*

PANEL: How do we best manage soils for drought resilience?

- Troy Clarkson (Chair), Director, National Soil Information Framework Section, DAWE
- Dr Michael Crawford, CEO, Soil CRC | *Supporter of all eight Hubs*
- Naveeda Majid, PhD student, Soil CRC, Global Centre for Environmental Remediation, The University of Newcastle | *Member of the Southern Queensland and Northern NSW Hub*
- Belinda Eastough, Agronomist, Elders Rural Services | *Partner of the South-West WA, and South Australian Hubs*

Improved knowledge

11:15 – 12:20

From the Great Barrier Reef to the land: carbon markets and natural capital accounting for drought resilience

Mike Berwick, Senior Policy Advisor, GreenCollar | *Supporter of the Tropical North Queensland, and Southern Queensland and Northern NSW Hubs*

Helping farmers find the sweet spot between productivity and natural resource management

Dr Sue Ogilvy, Research Director, Farming for the Future

Smart Farms: A Grower Group's efforts to share data and increase productivity

Nathan Dovey, CEO, Stirlings to Coast Farmers Grower Group | Philip Honey, Coordinator, Smart Farms | *Member of the South-West WA Hub and Albany node lead*

The essentials when engaging with Indigenous communities

Carol Vale, Managing Director, Murawin Pty Ltd | *FDF Indigenous community engagement facilitators*

12:20 – 13:00

Lunch

Hub members available to answer questions in their virtual expo booths

Better risk management

13:00 – 14:15

TAS HUB SNAPSHOT VIDEO

Tasmania Hub showcase: Supporting farmers to improve their financial stability through business coaching

Roly Chugg, Rural Financial Counsellor (Northern Region), Rural Business Tasmania | *Member of the Tasmania Hub*

The agricultural, research and insurance industries improving income stability for crop farmers together

Jo Sheppard, CEO, Queensland Farmers' Federation | *Network partner of the Southern Queensland and Northern NSW Hub | This project is funded by the FDF Drought Resilience Innovation Grants and is in collaboration with the Southern Queensland and Northern NSW, and Tropical North Queensland Hubs*

Systemic risk management in farming - geographic distribution and diversity

Dr Thong Nguyen-Huy, Research Fellow in Climate Finance, University of Southern Queensland | *This research is informing activities of the Southern Queensland and Northern NSW Hub | The University of Southern Queensland is a network partner of the Tropical North Queensland Hub*

Supporting farmers and regions to better plan for and manage drought risk

Alex Hicks, Team Leader, Younger Farmer Business Program, NSW Department of Primary Industries | Henry Moxham, Mixed farmer, Coonamble, NSW | *This project is funded by the FDF Farm Business Resilience Program*

14:15 – 14:45

Afternoon tea

Hub members available to answer questions in their virtual expo booths

More resilient communities

14:45 – 16:55

SNSW HUB SNAPSHOT VIDEO

Southern NSW Hub showcase: Mindset shifts and their power in collaboration

Jo Eady, Director, RuralScope | Southern NSW Hub co-design advisor

An update in growing farmers' wellbeing online

Dr Kate Gunn, Clinical Psychologist and Founder, ifarmwell, and Senior Research Fellow, University of South

Australia | *ifarmwell* is a free website co-designed with farmers to improve their own wellbeing and drought resilience | *The University of South Australia is member of the South Australian Hub*

PANEL: How do communities build and maintain their drought resilience?

- Saleena Ham (Chair), Knowledge Broker, Southern Queensland and Northern NSW Hub
- Natalie Egleton, CEO, Foundation for Regional and Rural Renewal (FRRR) | *Delivery partner for FDF Networks to Build Drought Resilience*
- Dr Jennifer Luke, Research Fellow in Wellbeing and Employability, University of Southern Queensland | This research is funded by the Southern Queensland and Northern NSW Hub | *The University of Southern Queensland is a supporter of the Tropical North Queensland Hub*
- Simon Millcock, CEO, Legatus Group | *Member of the South Australian Hub*

VIC HUB SNAPSHOT VIDEO

Victoria Hub showcase: Using creativity and imagination to strengthen community resilience to future drought

Dr Suzanne Fraser, Coordinator, Centre of Visual Art, University of Melbourne | *Member of the Victoria Hub*

Strengthening connections between young farmers and their information and support networks

Amanda Scott, Program Manager, Farming Together, Southern Cross University | *Amanda is Lismore Node Manager, Southern Queensland and Northern NSW Hub | Southern Cross University is also partner of the Tasmania and South-West WA Hubs | This project is funded by the FDF Networks to Build Drought Resilience Program and operates through the Southern Queensland and Northern NSW, and South Australian Hubs*

Closing

16:55

Closing remarks from Day 2

Lyn O'Connell, Deputy Secretary, Department of Agriculture, Water and the Environment

DAY 3: Thursday 9 June 2022

All times are Australian Eastern Standard Time

Day 3 is dedicated to networking. The eight Drought Resilience Adoption and Innovation Hubs are hosting field trips in their regions. This program is for participants joining online networking activities.

Networking opportunities

10:00 – 12:00

Welcome – Stage

Blake Zur, Director, Knowledge Management Section, Drought Resilience Research and Adoption Branch, DAWE

Networking roulette

Hopin will randomly assign forum participants to 3-minute speed chats in the Networking section of Hopin.

FDF networking sessions

These interactive sessions are limited to 20 forum participants at a time and can be found in the Sessions section of Hopin.

The Hubs' expansion beyond drought resilience

Chris Pollard, Assistant Director, Research and Adoption Strategy and Hub Management Section, Drought Resilience Research and Adoption Branch, DAWE

Building more resilient communities with the Australian Rural Leadership Foundation and the Foundation for Rural and Regional Renewal

Candice Mohan, Director, Communities Section, FDF Branch, DAWE

Trialling and adopting better land management practices for landscape resilience

Dr Marwan El Hassan, Assistant Director, Landscapes Management Section, FDF Branch, DAWE | Michelle Beauchamp, Assistant Director, Landscapes Management Section, FDF Branch, DAWE

12:00 – 13:00

Lunch

Reports from the field

13:00 – 14:30

Networking roulette

Hopin will randomly assign participants to 3-minute speed chats in the Networking section of Hopin.

Opportunities to try the FDF's Drought Resilience Self-Assessment Tool (DRSAT) and Climate Services for Agriculture (CSA) Tool

Leanne Wilkinson, Acting Director, Climate Services for Agriculture, DAWE | Lorrae Strahorn, Director, Deloitte Digital | Dr Mahesh Prakesh, Group Leader, CSIRO Data61 |

Check-in with Hubs' field trips – Stage

- Victoria Hub | Dr Dorin Gupta, FDF Innovation Grant Project Lead
- Southern NSW Hub | Kylie Dunstan, Communications and Engagement Manager
- Southern Queensland and Northern NSW Hub | Lisa Yorkston, Communications Coordinator
- South Australian Hub | Tony Randall, Knowledge Broker
- Tasmania Hub | Liana Williams, Knowledge Broker
- Northern WA and NT Hub | David Gallacher, Knowledge Broker
- Tropical North Queensland Hub | Emily Harrington, Hub Coordinator
- South-West WA Hub | Tanya Kilminster, Knowledge Broker

Forum Close

14:30

Closing remarks – Stage

Blake Zur, Director, Knowledge Management Section, Drought Resilience Research and Adoption Branch, DAWE

Hopin Guidelines

Make sure you have [registered for the 2022 Science to Practice Forum on Hopin](#). Registering on HopIn allows you to livestream the forum on your personal device and gain access to the national chat, polls, Q&As and other interactive features.

*Note: These guidelines are for those attending the forum **online**. If you plan to attend live at one of the hubs eight viewing locations, please register on the Eventbrite page relevant to your hub, which can be found on the forum registration page.*

Logging in on the day

You will receive a Hopin link in the inbox of the email used to register for the forum. Once you click on the link, you will be taken to the event reception where you will remain until the forum is launched.

Once the forum has begun, you can start interacting.

How to interact with the event



Stages is where you go to watch the main content of the event such as keynote presentations and panels.

Stages



Sessions is where you can go to interact and network with a speaker. The sessions will be open at specified times. Sessions times will be available on the Sessions page.

Sessions



Networking is like 'speed friending'. By accessing Networking, you will be put in a one-on-one chat with someone random who is also attending the forum. This will last for three minutes before you meet with a new person.

Networking



Expo booths are where you can find out more information about a Hub. You can see photos, watch videos and read important information on them. At times these booths will be 'manned', meaning you can chat to a member of the hub to find out more information. Times booths are manned can be found in the schedule.

Expo

Chat, Poll and Q&A

Stages, Sessions and Expo booths give you the opportunity to interact using the chat, poll and Q&A box. These features can be found on the right-hand side of your screen.

To use the chat is simple, type a message and press send. If you have a question to ask a speaker or the event hosts type it into the Q&A box and press send. The polling feature will feature polls created by the event organisers. All you have to do is click on the option that you agree with in the poll.

Keep in mind that everything you put in the Chat, Poll and Q&A is public. We ask you to please keep this a positive, safe and happy space for all those attending the forum.

COVID-19 Protocols

For in-person events, please follow the relevant state government guidelines.