



THE UNIVERSITY OF  
MELBOURNE

Melbourne Energy Institute

The Peter Cook Centre for CSS Research

## Negative Emission Technologies in Australia

Meeting the world's climate change target of 2°C will require deep cuts in emissions and, most likely, removal of carbon dioxide from the atmosphere. A new report, *Negative Emission Technologies in Australia*, published by the University of Melbourne, analyses several technologies that could be developed in Australia to remove CO<sub>2</sub> from the atmosphere. The potential is exciting. Yet these technologies are mostly at an early stage of development and many questions will need to be answered before they will be deployed.

In this webinar by the [Peter Cook Centre for Carbon Capture and Storage Research](#) and co-hosted by the [Melbourne Energy Institute](#), we will launch the *Negative Emission Technologies in Australia* report, and experts in the field will explore its opportunities and provide answers to some of these key questions.

Participants will:

- Familiarise themselves with negative emissions and why modelling suggests NETs will be needed
- Find that decreasing GHGs is not just about coal-fired power stations
- Learn about the challenges facing negative emissions
- Learn about possible opportunities for Australia.

### Speakers

Tony Wood, *Director of the Energy Program, Grattan Institute (moderator)*

Professor Peter Cook, *Senior Advisor, Earth Sciences*

David Byers, *Chief Executive, CO2CRC*

Dr Andrew Lenton, *Principal Research Scientist CSIRO's Climate Science Centre*

Dr Nasim Pour, *Strategic Economic Consultant, Jacobs*

Professor Robin Batterham, *Kernot Professor of Engineering, the University of Melbourne*

### Registration details

**Date:** Wednesday 5 August 2020

**Time:** 11.00am - 12.30pm AEST (10.50am log on for a 11.00am start)

**Location:** Online, Zoom. [Register here.](#)

# Speakers



## **Peter Cook**

Peter Cook is an earth scientist. He has held academic positions in the UK, Australia, France and the USA and leadership positions at the Bureau of Mineral Resources, the British Geological Survey and Cooperative Research Centres, including CO2CRC which he established in 2003. He was a Co-ordinating Lead Author of the IPCC Special Volume on CO2 Capture and Storage. Peter has chaired major reviews of unconventional gas and has provided advice to industry and Governments on CCS. He is a Professorial Fellow at the University of Melbourne and chairs the Melbourne-Stanford- Cambridge GeoCquest Project. His publications include the books “Clean Energy Climate and Carbon” and “Geologically Storing Carbon”. Along with Alfonso Arranz, he was a co-ordinating author of the Report on Negative Emission Technologies.



## **Tony Wood (Chair)**

Tony Wood has been Director of the Energy Program at Grattan Institute since 2011 after 14 years working at Origin Energy in senior executive roles. From 2009 to 2014 he was also Program Director of Clean Energy Projects at the Clinton Foundation, advising governments in the Asia-Pacific region on effective deployment of large-scale, low-emission energy technologies. In 2008, he was seconded to provide an industry perspective to the first Garnaut climate change review.



## **Andrew Lenton**

Dr Andrew Lenton is a Principal Research Scientist in the CSIRO's Climate Science Centre, with extensive experience in modelling the carbon-cycle, from individual organism responses through to the Earth system Response. He has been involved closely in geoengineering research in both solar radiation management and negative emissions for more than a decade.

He co-chairs Carbon Dioxide Removal Model Intercomparison Project, exploring the potential and implications of negative emissions for climate, and participates in number of international working groups and projects focused on NETs.



## **Robin Batterham**

Robin Batterham has had a long career in the mining and processing industries, including time as Chief Technologist of Rio Tinto. He was Chief Scientist of Australia and is now the Kernot Professor of Engineering at the University of Melbourne, focusing on energy systems and negative emissions through sequestration.

## Speakers



### **Nasim Pour**

Nasim completed her PhD degree at the University of Melbourne in 2018. Her research investigated the sustainability of bioenergy with carbon capture and storage (BECCS) as carbon removal technology. Following her graduation, Nasim commenced her career as a strategic economic consultant for Jacobs' Economics and Policy Advisory team.

Nasim has been involved in multiple studies providing independent analysis on energy policy, economic greenhouse gas emissions modelling, and waste-to-energy technologies for a range of clients including government bodies and industry.



### **David Byers**

David Byers is Chief Executive of CO2CRC, Australia's leading carbon capture utilisation and storage research organisation.

David has more than 30 years experience across the oil, gas and minerals industries, in Australia and overseas. He has worked in CEO and senior leadership roles in commercial and not for profit organisations.

David is a member of Australian Government bodies - ERAC (the Emissions Reduction Assurance Committee) and ASAC (Australian Statistics Advisory Council) - and a member of the Peter Cook Centre Advisory Council and Honorary (Senior Fellow), Chemical Engineering at University of Melbourne.

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