

# POCKET PROGRAM

PRINCIPAL PARTNERS





## WiFi

A complimentary wifi service is available for all delegates. This service is suitable for emails and basic internet work.

**To connect:** simply select **AEP25 Delegate** when searching for available networks. No password required

CONFERENCE APP & WIFI SPONSOR



All conference activities, unless otherwise stated, will take place within the conference venue, the Brisbane Convention & Exhibition Centre.

Registration	Mon 12 noon–7.00pm Tue 7.30am–6.00pm Wed 7.30am–6.00pm Thu 7.30am–4.00pm	Main Foyer
Australian Energy Producers 2025 Exhibition	Tue 8.00am-6.00pm (Happy Hour 5.00pm-6.00pm) Wed 8.00am-6:00pm (Happy Hour 5.00pm-6.00pm) Thu 8.00am-3.00pm	Exhibition Hall
C02CRC Meeting Zone		Exhibition Hall
Visual Presentations		Exhibition Hall
Collaboration Centre		Exhibition Hall
Net Zero Technology Hub		Exhibition Hall
Plenary Sessions		Great Hall
Technical & Business Program		See program
Speaker Support Centre		M10
Media Room		P4
Farewell Cocktails		Plaza Terrace
Speakers' Networking Breakfast		P1 & P2
Members' Lunch		P1 & P2
Conference Dinner		Plaza Ballroom
Authors' Lunch		P1 & P2
Welcome Reception		The Star Brisbane

■ GROUND LEVEL

MEZZANINE LEVEL

PLAZA LEVEL

## **PRE-CONFERENCE**

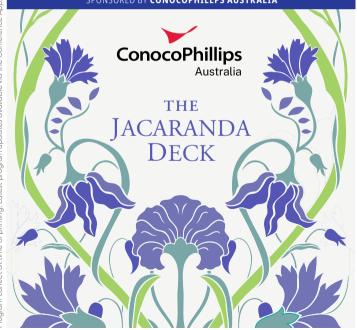
8.00am-5.30pm Introduction to Oil and Gas Seminar Room M2 INDUSTRY EVENT

12 noon-7.00pm Conference Registration Main Foyer

**1.00pm**–5.00pm **PESA Deal Day** Rydges South Bank

6.30pm-9.30pm Welcome Reception

Offsite and outdoor | The Star Brisbane
SPONSORED BY CONOCOPHILLPS AUSTRALIA



Program correct at time of printing. Latest program updates available via the Conference App.

DAY 1		
<b>7.30am</b> –8.20am	Speakers' Networking Breakfast Rooms P1 & P2 SPONSORED BY BP DEVELOPMENTS AUSTRALIA	
<b>7.30am</b> –6.00pm	Conference Registration Main Foyer	
<b>8.00am</b> –6.00pm	Exhibition open Exhibition Hall SPONSORED BY INPEX	
	Visual Presentations open Exhibition Hall SPONSORED BY BP DEVELOPMENTS AUSTRALIA	
<b>8.30am</b> –10.15am	Plenary 1: The Energy Edge   Innovation, Opportunity, Security GREAT HAL	
SPONSORED BY WOODSIDE ENERGY AND EXXONMOBIL AUSTRALIA	WELCOME	
	OPENING COMMENTARY Samantha McCulloch Chief Executive, Australian Energy Producers	
	FEDERAL GOVERNMENT ADDRESS	
	CHAIR'S ADDRESS Meg O'Neill Chair, Australian Energy Producers	
	AWARD PRESENTATION: REG SPRIGG GOLD MEDAL	
Virtual VA presentation	LEAD ADDRESS Hon Ambassador Joe Hockey Former Australian Ambassador to the United States of America interviewed by Chris Uhlmann Journalist, Sky News	
	CONCLUDING REMARKS Samantha McCulloch Australian Energy Producers	

#### DAY 1

10.15am-10.50am MORNING TEA IN THE EXHIBITION

## 10.50am-12.30pm Plenary 2 GREAT HALL OUFFNSLAND GOVERNMENT ADDRESS **SPONSORED** The Hon David Janetzki MP BY CHEVRON **AUSTRALIA** Treasurer, Minister for Energy and Minister for Home Ownership IN CONVERSATION WITH Dr Helen Currie Chief Economist, ConocoPhillips interviewed by Chris Uhlmann Tournalist, Sky News KEYNOTE PANEL Harnessing Australia's Competitive Strengths Australia's energy edge is under threat from east coast gas shortfalls and policy shifts. This panel explores the political impacts on long-term energy and economic security. Balaji Krishnamurthy President, Chevron Australia **Dr Philip Lowe** Former Governor of the Reserve Bank of Australia

Meg O'Neill Chief Executive Officer & Managing Director, Woodside Energy

Simon Younger Chair, ExxonMobil Australia

FACILITATED BY Chris Uhlmann Journalist, Sky News

#### DAY 1

## 12.30pm-NETWORKING LUNCH IN THE EXHIBITION

2.00pm

## Australian Energy Producers Members' Lunch

BY INVITATION ONLY 
Rooms P1 & P2

SPONSORED BY WOODSIDE ENERGY AND EXXONMOBIL AUSTRALIA

## 2.00pm Technical & Business Program | Sessions 1-5

**pm**–3.15pm

## Session 1: CCUS – Regional Pathways





A roadmap for carbon capture and storage deployment in Australia: Key constraints and opportunities

Forecasting the role of CCS in Asia-Pacific to 2050

Energy transition and emissions reductions — some inconvenient truths

Importance of heat integration in post combustion carbon capture

Development of Australia's national action list for offshore CCS

# Session 2: Revolutionising Well and Subsea ● Room M1



Risk-based hydrate management: A new path to value creation for gas condensate developments

Security of subsea gas pipelines: Technological solutions for safe and rapid response

Innovative design and re-completion strategies for CO2 injection wells: A case study

Maximising deliverability of the kipper field to ensure reliable supply of gas into the east coast Australia market

#### DAY 1 Sessions 1–5 continued

# Session 3: Exploration Opportunities in Australia Room M2



Australia is still an attractive investment destination for exploration and development

The Walyering discovery and revisiting the Jurassic hydrocarbon potential of the northern Perth basin

New perspectives on the sequence stratigraphy of the Early-Middle Triassic of the Bedout Sub-basin

Application of inversion to support exploration and development growth opportunity maturation across the North West Shelf asset, Australia

# Session 4: Innovations and Transformation Room M3 | Includes panel discussion



Ensuring digital success: An approach to making better digital

Roadmap to a digitally born asset in the new energy era: Gaining operational excellence and sustainable long-term value in asset management decision making

Business cases — Development guidance and comparison mechanism for improved decisions on investments

Navigating and leading corporate strategy amid energy transition uncertainty

# Session 5: Northern Territory in Focus O Great Hall | Includes panel discussion



Northern Territory gas development — How access to technology is unlocking resources

Beetaloo Sub-Basin: One day closer to production — the energy required to open the next great unconventional shale gas basin

Findings from the Northern Territory low emissions hub CCUS business case project

## 3.15pm- AFTERNOON TEA IN THE EXHIBITION

#### **DAY 1** Technical & Business Program | Sessions 6-10

#### Session 6: Carbon Intensity and Abatement





Clearing the view: Navigating the future of LNG carbon intensity

The southern gas market supply problem: Assessing the case for electrification of gas heating

The business case for abatement: The key levers for improving financial return of marginal abatement projects

Energy costs in transition: Decarbonising Western Australia's South West Interconnected System

# Session 7: It's an Unconventional World Room M1



A novel way to achieve early commercialisation of tight-sand and shale gas fields: Small-scale modularised liquefied natural gas

Required steps to develop an enhanced geothermal system — an Australian basin example

Resolving drilling issues in the Beetaloo — drilling longer for lower cost

Improving operational confidence and decision-making in the absence of key reservoir data through utilisation of a machine learning-based coal identification model in coal seam gas wells

# Session 8: Frontier Energy Resource Development in Australia ○ Room M2



Development of a 3D continental chronostratigraphic framework for energy, minerals and groundwater integrated assessments

Play analysis in the onshore Otway Basin, South Australia

Exploring carbon storage: Does Australia have a competitive subsurface advantage in Asia Pacific?

A hierarchical application of 20+ years of learnings from North American unconventional exploration and appraisal activities to delineate a 1MM-acre 'sweet spot' in the Beetaloo Basin shale gas play, Northern Territory, Australia

#### DAY 1 Sessions 6-10 continued

# Session 9: Evolving Corporate Responsibility Room M3



Satisfying first nations stakeholder consultation requirements under the Australia's offshore resources legislation

Exploring effective indicators of modern slavery risk: On-site audit insight

Queensland's coal seam gas (CSG) projects — hard won lessons relevant to regional development

Renewable energy taxation in the energy transition: How to replace coal and gas royalties in Australian state budgets

The landholder journey — coexistence lessons from Queensland's gas industry

# Session 10: Australian Energy Producers Panel Series O Great Hall

An unconventional approach — the role of Queensland in the east coast gas market Queensland's world-class gas industry, supported by CSG and LNG investment, supplies regional needs, promotes renewables, and requires ongoing exploration, pipelines, and regional collaboration to ensure future energy security across Australia.

#### Panellists:

Facilitated by:	
McCulloch	
Chief Executive	
Australian	
Energy	
Producers	

Dan Clark Chief Executive Officer, Australia Pacific LNG

**Prof David Close** Director, Gas & Energy Transition Research Centre, University of Oueensland

**Jane Norman** Managing Director and Chief Executive Officer, Amplitude Energy

Rick Wilkinson Chief Executive Officer, EnergyQuest

**5.00pm**– 6.00pm

HAPPY HOUR IN THE EXHIBITION

SPONSORED BY MCDERMOTT

## DAY 2

7.30am-6.00pm Conference Registration Main Foyer

8.00am-6.00pm Exhibition open Exhibition Hall SPONSORED BY INPEX

Visual Presentations open Exhibition Hall SPONSORED BY BP DEVELOPMENTS AUSTRALIA

#### 8.30am-10.15am Plenary 3



SPONSORED BY WOOD

#### IN CONVERSATION WITH

**Kevin Gallagher** Managing Director & Chief Executive Officer, Santos interviewed by

Laura Jayes Journalist and Host of 'AM Agenda', Sky News

AWARD PRESENTATION: LEWIS G WEEKS GOLD MEDAL

#### **KEYNOTE PANEL:**

Energy geopolitics | Security in the transition

Global events, tech innovation, and climate goals are reshaping energy markets. Amid geopolitical shifts, the panel will highlight the challenges and opportunities of ensuring Australia's energy security, while playing a key role in regional LNG supply and enhancing strategic partnerships.

#### PANELLISTS:

Ron Gusek Chief Executive Officer, Liberty Energy

**Michiko Miyano** Deputy Head of Mission, Minister, Embassy of Japan

**Sue-Ern Tan** Head, IEA Regional Cooperation Centre, International Energy Agency

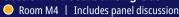
**Cecile Wake** Senior Vice President Integrated Gas Australia and Country Chair, Shell Australia

FACILITATED BY Laura Jayes

Journalist and Host of 'AM Agenda', Sky News

## DAY 2 Technical & Business Program | Sessions 11-14

## Session 11: Decarbonising Gas





Decoding decarbonisation: Navigating emerging market dynamics in the Australian gas supply industry

Methane emissions measurement insights from an offshore measurement, monitoring, reporting and verification study

Solid natural gas technology: Natural gas production and storage innovation

Mapping multi-sectoral methane emissions across Queensland's gas production areas

Blue power: A case for more gas, less emissions

## **Session 12: Closure Solutions**

Room M2 | Includes panel discussion



Knowing how to navigate the unknown in oil and gas decommissioning

Primary cementing practices and compliance in Queensland's petroleum wells Separating facts from fiction: Can offshore decommissioning become a

USD6.3 billion industry this decade?

Augmenting cased hole logging and pressure testing: Improving subsurface well barrier risk assessment through machine learning

Field trials of bentonite as abandonment material for underground coal gasification wells in Queensland, Australia

Concludes at 12 noon

**Session 13: Australian Energy Producers Panel Series** SPONSORED BY AMPLITUDE ENERGY O Great Hall



Facilitated by: Samantha McCulloch

Chief Executive Australian Energy

**Producers** 

From placards to plaintiffs | The rise of environmental activism and 'lawfare' This panel will explore how the disruption caused by well-funded activism and legal tactics influences policy, investment, public opinion, and future industry development. Panellists:

Kevin Gallagher Managing Director & Chief Executive Officer, Santos David Hughes Executive Director, Menzies Research Centre Meg O'Neill Chief Executive Officer & Managing Director, Woodside Energy Additional panellist TBC

#### DAY 2 Sessions 11–14 continued

Session 14: Power of Risk Management
Sponsored by dss+ ○ Room M3 | Includes panel discussion



Woodside's Process Safety Management competency program

Decommissioning — comparative environmental impact assessment for the Australian regulatory regime

Insights from meta-analyses of incidents

Analysing safety data for an entire industry group — a case study from Oueensland Coal-Seam Gas

CO<sub>2</sub> dispersion benchmarking against natural gas dispersion

#### 12.30pm-NETWORKING LUNCH IN THE EXHIBITION

2.00pm

# **12.45pm**– 2.00pm

**Technical & Business Program | Session 15**SPONSORED BY BP DEVELOPMENTS AUSTRALIA

**Meet the Authors** Exhibition Hall

One of the most popular parts of the Australian Energy Producers Conference & Exhibition is the extensive Visual Presentation series which is part of the Technical & Business Program, comprised of original papers.

All visual presentations will be on display throughout the full three days of the conference, in the exhibition.

The Technical & Business Program key streams are:



HEALTH, SAFETY AND ENVIRONMENT

the conference website or mobile app.

A full listing of the visual

presentations

can be found on page 22, or visit

MARKETS

#### **DAY 2** Technical & Business Program | Sessions 16–19

# Session 16: A Realistic Hydrogen Future Great Hall | Includes panel discussion



How can Australia compete in the global hydrogen market (before it's too late)?

A lifecycle assessment of low-emissions hydrogen production using autothermal reforming and carbon capture and storage

Geomechanical modelling of hydrogen storage at the CO2CRC Otway International Test Centre

Hydrogen Storage — Are pipelines the solution?

# Session 17: Carbon Dioxide and Beyond Room M2



Hydrogen and carbon dioxide pipelines — why a different engineering approach is required

Saline aquifer CO2 storage modelling — harder than it sounds

Impurities in CO2 streams for a multi-user CCS hub

Enabling CO2 transport from local carbon capture sources for permanent storage purposes through the use of trucks as virtual pipelines

# Session 18: PESA Year in Review SPONSORED BY PESA ENERGY GEOSCIENCE O Room M4



2024 Exploration year in review

2024 Development and production review

2024 Business year in review

## DAY 2 Sessions 16-19 continued

Session 19: People Power



Room M3 | Includes panel discussion

Unlocking potential: Encouraging women's participation in technical roles through access to training, skills development and mentorship

Small steps, big impact: Advancing gender diversity in Queensland's oil and gas industry

People, technology and performance: Creating capacity for sustainable performance

Revolutionising assurance oversight with AI: Driving safer, more compliant energy operations at scale

## 3.15pm- AFTERNOON TEA IN THE EXHIBITION

3.45pm

## 3.45pm Technical & Business Program | Sessions 20–23

Session 20: Carbon Dioxide Storage Monitoring and Utilisation O Room M4 | Includes panel discussion



Shaping the future of MMV in CO2 storage: A look at established and emerging technologies

Causal networks as a tool to assess environmental risk of CO<sub>2</sub> leakage

Life-of-Field monitoring for CO2 storage —an effective solution for validating containment and analysing storage performance

CO2 utilisation pathways to produce synthetic fuels and other value-added liquid products

# Session 21: The Resilient Future of Gas Great Hall | Includes panel discussion



Coal seam gas to LNG — How has the industry developed and what next?

Mixed commercial arts: The future of LNG pricing indexations in Asia

Can the Australian oil and gas industry ride the climate litigation tsunami?

Carrot or stick? The key to unlocking LNG decarbonisation

#### DAY 2 Sessions 20-23 continued

Session 22: Subsurface Characterisation for Future Energies SPONSORED BY GEOSCIENCE AUSTRALIA 
Room M2



Automatic rock strength prediction in data-limited wells

Applying petrophysics and rock property modelling to enhance play-based assessments of the geological storage potential for carbon dioxide: Western Eromanga Basin case study

Innovative seismic surveying and imaging in Bonaparte Basin for future eneray resources

Reservoir prediction in wave-dominated fluvio-deltaic systems using seismic sequence stratigraphic techniques, an example from the Cretaceous Golden Beach Formation, offshore Gippsland Basin

## Session 23: Protecting People and the Environment O Room M3 | Includes panel discussion



Complexities of First Nations impact assessments in offshore environments

Stand up, speak out: Addressing psychosocial hazards through interactive learning

Eliminating contractor incidents and fatalities by embedding safety at each step in the contractor management framework

Management of highly toxic marine pollutant unexpectantly arising from offshore chemical cleaning operations

5.00pm-HAPPY HOUR IN THE EXHIBITION

6.00pm SPONSORED BY CLARKE ENERGY

**Australian Energy Producers Conference Dinner** 7.00pm-Light the Night midnight SPONSORED BY SHELL Plaza Ballroom

The hottest ticket in town, Fine food and wine and acclaimed



entertainment. Don't have your ticket yet? Check availability at the registration desk, main foyer.

## DAY 3

7.30am-4.00pm Conference Registration Main Foyer

**8.00am**–3.00pm **Exhibition open** Exhibition Hall

SPONSORED BY INPEX

Visual Presentations open Exhibition Hall

## 8.30am-10.15am Plengry 4



SPONSORED
BY BAKER
HUGHES

## **OPPOSITION ADDRESS**

Dive into the 3 May federal election outcome and what it means for Australia's oil and gas sector and broader energy policy landscape.

IN CONVERSATION | POST FLECTION ANALYSIS

We are joined by:

The Hon Joel Fitzgibbon

Former Minister for Defence of Australia

and

**John Scales** 

Founder, JWS Research

FACILITATED BY Samantha McCulloch

Chief Executive, Australian Energy Producers

#### 8.30am-10.15am Plenary 4 continued



# SPONSORED BY BAKER HUGHES

#### **KEYNOTE PANEL:**

# Seismic Shifts | Gas, exploration and the economy

Meeting Australia's future gas demand will rely on boosting exploration. The panel will discuss challenges and economic impacts of further declines in gas exploration, and how the downward trend in activity can be reversed amid an increasingly restrictive and uncertain regulatory environment.

#### PANELLISTS:

#### The Hon Lia Finocchiaro MLA

**Chief Minister of the Northern Territory** 

#### **Sue McCarrey**

Chief Executive Officer, NOPSEMA

#### Senator Susan McDonald

Shadow Minister for Resources and Northern Australia

#### **Andrew Richards**

Chief Executive Officer, Energy Users Association of Australia

#### Darren Stevenson

Chief Executive Officer, Senex Energy

#### **FACILITATED BY Samantha McCulloch**

Chief Executive, Australian Energy Producers

#### DAY 3 Technical & Business Program | Sessions 24–27

# Session 24: Handling our Carbon Dioxide Future Room M4 | Includes panel discussion



Biofuels in the energy transition: Bridging the gap between oil and gas and sustainable energy

Determination of maximum allowable water content for CO<sub>2</sub> pipelines

Amine based liquid capture technology for Direct Air Capture of CO<sub>2</sub> an overview on technology development

Novel adsorbent for CO<sub>2</sub> separation from methane

Fugitive methane emissions around onshore gas fields using Quantum Gas Lidar technology: Detection, visualisation, and quantification

# Session 25: Streamlining Facilities and Pipeline Room M3



A decade of the Karratha gas plant life extension program

Improving operational efficiency through asset performance management

Minimising green hydrogen capital expenditure: Lessons learned from Europe

Multi-disciplined/collaborative team approach to deliver Kipper Compression project

Improving operational efficiency through condition-based monitoring and Internet of things (IoT) technologies

#### DAY 3 Sessions 24-27 continued

# Session 26: Advanced Models for Fluid Migration Room M2



Determining the sparsest acquisition geometry required to meet a known 4D monitoring objective

Unmasking fault zones in CO2 storage — true calibration

Tiltmeter data inversion for reservoir integrity monitoring using numerical modelling and particle swarm optimisation

Machine learning inversion solution: A tool to identify faults shear slip from sensed ground deformation

Reservoir modeling for underground hydrogen storage in the onshore Otway Basin, Victoria

# Session 27: Future Strategies in a Lower Emissions World Great Hall | Includes panel discussion



Corporate strategies for a new energy transition outlook: Advantage Australia

Planning challenges for the changing paradigm of gas-powered generation operations

CarbonNet project: Carbon capture and storage case study — challenges and opportunities

Mapping of the regulatory requirements for requalification of hydrocarbon production pipeline facilities for CO<sub>2</sub> transport and storage

Repurposing gas fields for energy storage — a proposal for compressed air energy storage in the depleted Rolleston gas field

#### 12.30pm-NETWORKING LUNCH IN THE EXHIBITION

2.15pm

**Australian Energy Producers Authors' Lunch** 

BY INVITATION ONLY Rooms P1 & P2 SPONSORED BY WOOD

## **2.15pm**-4.30pm **Plenary 5**



SPONSORED BY **JERA**  POLITICAL IN CONVERSATION (TBC)

#### **KEYNOTE PANEL:**

Hitting the gas | Keeping net zero within reach

The path to net zero by 2050 is narrowing. This panel examines global shifts, Australia's policy gaps, and the essential role of gas and CCUS in achieving climate goals.

#### **PANELLISTS**:

**Gillian Cagney** President, Australia & New Zealand, Worley

Rachael Risucci Managing Director, Gas & Low Carbon Energy, Australia, BP Developments Australia

**Tony Wood** Energy and Climate Change Program Director, Grattan Institute

**Brett Woods** Managing Director and Chief Executive Officer, Beach Energy

FACILITATED BY Chris Uhlmann Journalist, Sky News

**CONFERENCE AWARDS** 

**CLOSING ADDRESS** 

Samantha McCulloch

Chief Executive, Australian Energy Producers

4.30pm-6.30pm

Farewell Cocktails SPONSORED BY LIDIAR GROUP

Plaza Terrace (outdoor)



## **Visual Presentations**

SPONSORED BY BP DEVELOPMENTS AUSTRALIA

The Visual Presentations are located in the Exhibition and can be seen throughout the conference. For details of the Meet the Authors' session, please see page 13, or visit the Conference App.



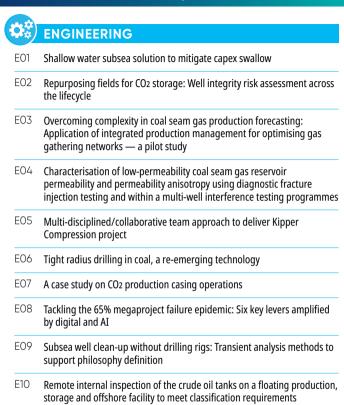


G09

## GEOSCIENCE

G01 Establishing an integrated geoscience workflow to optimize well plug and abandonments in the Gippsland Basin G02 Utilising 4D geomechanical modelling to evaluate formation failure and fault reactivation during hydrogen storage and production G03Integrated and adaptive monitoring of geological carbon storage operations with surface distributed acoustic sensing GO4 Chemostratigraphic analysis of evaporitic sequences in Australian Basins: Case studies from the Canning, Polda, Officer, and Adavale Basins G05 Evolution of coal strength with dewatering and coal seam gas depletion: An integrated approach G06 Seismic imaging in shallow water: Where are we at and where might we be going? G07 Credibility of geomechanical sanding evaluation, examples from gas fields in offshore Otway and onshore North Perth Basins G08 Beneath the surface: 3D geological model of northern Bowen Basin

Pore pressure in the Beetaloo Sub-basin



A mindset shift in operating safe, reliable and profitable ageing assets

Logistical challenges of the largest fracture stimulation in Australian

E11

F12

history



#### **BUSINESS PERFORMANCE AND GOVERNANCE**

- BO1 Navigating economic headwinds: Proven strategies for durable cost reduction in oil and gas
- BO2 Mergers and acquisitions landscape in the oil and gas sector: Challenges and best practices for integrating clean energy assets
- BO3 Moving beyond climate to nature-focused operations
- BO4 Driving productivity improvements: 12 months of improvement under GR Production Services' outsourced operations at Moranbah Gas Project
- BO5 Assessing the contribution of corporate social responsibility (CSR) initiatives of the oil and gas sector to sustainable development in Timor-Leste
- BO6 Regulating and keeping the gas flowing in Queensland, Australia



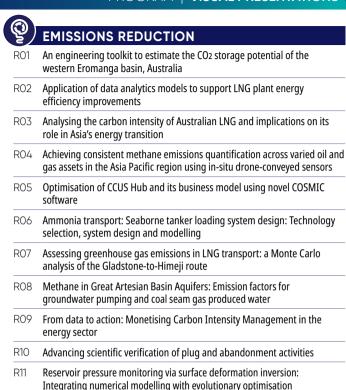
### **MARKETS**

- MO1 Operating in the context of continuing environmental social and governance uncertainties
- MO2 Chaos across the Tasman Sea: New Zealand's energy crisis and its lessons for Australia
- MO3 From export giant to import dependent: Australia's paradoxical gas investment climate



## **HEALTH, SAFETY AND ENVIRONMENT**

- HO1 Local communities' responses to CSG salt and brine management options in Queensland's Surat Basin
- HO2 Urban groundwater bore assessments in Dalby: A case study
- HO3 The 2024 revision of the Australian Energy Producers Method for estimating the cost of oil spill response
- HO4 Managing cultural values with Traditional Owners
- HO5 Medicals ain't medicals quality screening to detect silicosis and other occupational lung diseases



R13 Internet of things (IoT) trial in CSG upstream asset: A step towards more efficient operations

Towards an improved understanding of fault systems behaviour in a

R12

CCUS project


## Key to the Technical & Business Program streams



**BUSINESS PERFORMANCE AND GOVERNANCE** 



**EMISSIONS REDUCTION** 



**ENGINEERING** 



**GEOSCIENCE** 



HEALTH, SAFETY AND ENVIRONMENT



**MARKETS** 



**SPECIALIST** 

