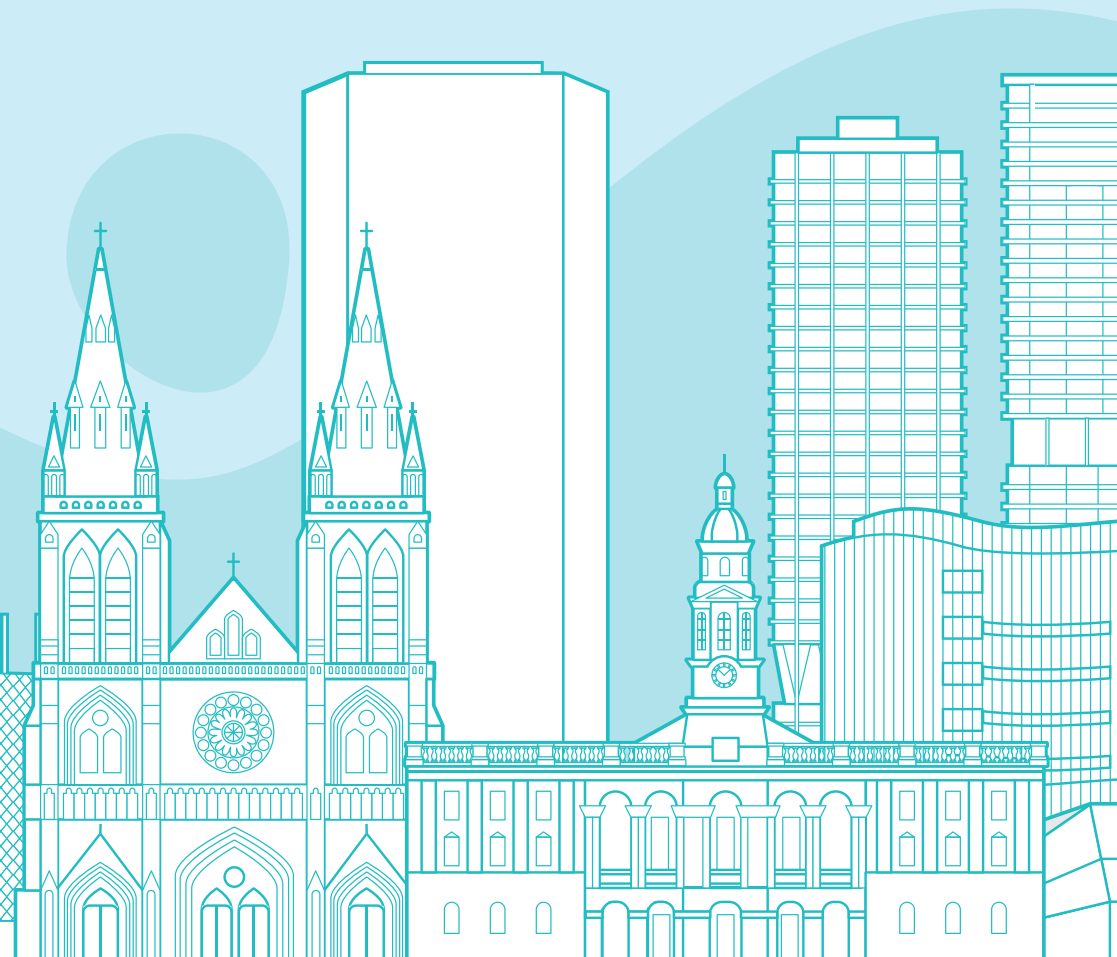




GLOBAL CCS
INSTITUTE

2026 APAC FORUM ON CARBON CAPTURE AND STORAGE



AUGUST 18 – 21, 2026



ADELAIDE, AUS
NATIONAL WINE CENTRE

Welcome to the Asia Pacific Forum on CCS

HOSTED BY THE GLOBAL CCS INSTITUTE

The Global CCS Institute is an international think tank with a mission to accelerate the global adoption of safe and sustainable Carbon Management, including Carbon Capture and Storage (CCS) and Carbon Dioxide Removal (CDR). Headquartered in Melbourne with offices globally, we work with governments, industry, and civil society to scale CCS through insights, advocacy, and collaboration.

We are an official UNFCCC observer and secretariat of the Carbon Management Challenge, supporting global decarbonisation. Our diverse membership spans the CCS value chain, including governments such as Australia, China, Japan, Saudi Arabia, the UK, and the US – committed to practical, high-impact climate action.

KNOWLEDGE AND INSIGHT

We deliver independent, evidence-based analysis to inform policy, regulation, and strategy.

Our publications include the flagship “Global Status of CCS” report, policy briefs, technical assessments, and market intelligence.



**SCAN TO SEE THE
PUBLICATIONS
ARCHIVE FROM THE
GLOBAL CCS INSTITUTE**

ADVOCACY

We engage with national governments and global forums – such as the COP and Clean Energy Ministerial – to shape enabling policy and regulatory frameworks for CCS. We advocate for its inclusion in climate strategies as a critical emissions reduction tool.



**SCAN TO SEE THE GLOBAL
CCS INSTITUTE'S ROLE IN
STRATEGIC ADVOCACY**

EXPERT ADVISORY

We support CCS readiness by providing expert advice, guidance, and capacity building. Our work helps stakeholders navigate technical, policy, and regulatory challenges in their local context, while fostering partnerships that align with our mission to advance CCS deployment in pursuit of decarbonisation.

COLLABORATION AND CONVENING

We connect the global CCS community to share knowledge, address barriers, and drive deployment. This includes international forums, regional roundtables, and closed-door dialogues designed to foster coordinated action.

MEMBERSHIP

The Global CCS Institute is a member-supported organisation, bringing together governments, industry leaders, research institutions, and civil society groups from across the carbon capture and storage value chain. Our members span diverse industries from around the world, forming a truly global network committed to advancing practical climate solutions.

We work closely with our members to shape strategy, share insights, and accelerate CCS deployment. Through tailored knowledge-sharing, technical collaboration, and a strong focus on networking and capacity building, members benefit from exclusive opportunities to connect with peers and partners worldwide. The Institute regularly convenes meetings, workshops, and forums that create space for collaboration, exchange, and collective action on CCS.

Our members include leading companies, research institutions, and organisations committed to advancing CCS worldwide. They help drive collaboration, share expertise, and support the growth of low-emissions solutions.



CAPABILITIES

Our team combines deep technical, economic, and policy expertise across the CCS value chain. We offer tailored consulting services to help partners address specific challenges, identify opportunities, and accelerate CCS deployment. Get in touch with our team today to discuss your CCS challenges, explore opportunities, and see how we can support your projects.



POLICY AND MARKET INSIGHTS

We provide analysis on global CCS policies, regulations, and markets, helping stakeholders understand frameworks, opportunities, and barriers to deployment.



TECHNICAL AND ECONOMIC ASSESSMENTS

Our assessments evaluate technologies, costs, and business models for CCS, supporting evidence-based decisions that drive efficient and scalable deployment globally. GENZO, our 36-region global energy systems optimization model with unprecedented detail in CCS representation, is a powerful tool to inform policy through scenario analysis.



STORAGE

We provide expertise and assessments on CO₂ geological storage, ensuring safety, permanence, and monitoring to help integrate CCS as a long-term climate solution.

Scan the code learn more about
Membership & Collaboration
with the Institute.



WELCOME RECEPTION

SPONSORED BY



Tuesday, 18 August 2026 | 5:30pm - 7:30pm



National Wine Centre,
Lot 200 Hackney Road, Adelaide

Opening remarks by Ernie Delfo, CO2CRC Board Member

GALA DINNER

Thursday, 20 August 2026 | 6:30pm - 11:00pm

The Gala dinner is at the Adelaide Town Hall, 128 King William Street Adelaide, a short walk from each of the event's partner hotels. Canapes will be served from 6:30 pm with guests to be seated by 7pm.



SPEED NETWORKING RECEPTION

19 August, 5:30pm – 7:30pm

Network with other delegates, enjoy a drink and canapes, sample regional wines at a sommelier hosted wine tasting station, and visit each of the exhibitors to learn about their technology or service offering.

Delegates will be allocated to a group and each group will rotate through the exhibitors over a 90 minute period.

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SPEED NETWORKING EXHIBITORS



CSIRO – Ludovic Ricard

Integrated geomechanical characterization and monitoring system: from the lab to the field.

Geomechanical characterization at lab scale combined with the demonstration of field geomechanical monitoring system at the CSIRO In-Situ Lab research facility to improve understanding of the geomechanical risk and reduce it.

The integrated field geomechanical monitoring system includes pressure, temperature, Fibre optic sensing (DTS, DAS, DSS) and tiltmeters. Example of applications are presented.



CSIRO – Erdinc Saygin

CSIRO's Geophysical Sensing and Monitoring team have developed a continuous, low-cost subsurface monitoring workflow for CCUS based on passive seismic methods. Rather than relying on periodic active-source surveys, we propose recording ambient seismic noise continuously, tracking CO₂ plume migration and reservoir property changes at temporal resolutions conventional acquisition cannot match. Using dense sensor arrays and wave-equation ambient noise inversion, we image subsurface velocity changes in depth and horizontal domains on hourly timescales. The same dataset also captures microseismic activity within and around the reservoir — all from a single passive deployment, applicable offshore and onshore.



Kobe Steel

Kobe Steel, Ltd. (KOBELCO) is a unique company to supply three major types of gas compressors: centrifugal, reciprocating and screw and has been involved in CCUS project through demonstration / commercial projects using these technologies.



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Global CCS Institute

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Planetsavers

Planet Savers is a Japan-based climate-tech startup developing energy-efficient Direct Air Capture (DAC) systems built on proprietary zeolite adsorbents originating from University of Tokyo research. Our modular, electrically powered units capture CO₂ directly from ambient air, enabling durable carbon removal. In South Australia, we are collaborating with Australian Carbon Vault on a combined DAC-and-storage project using large-scale onshore geological storage. In Japan, we are also planning a 2027 project storing CO₂ permanently via mineralization in concrete. Scaling from a 20 t-CO₂/year first-of-a-kind unit toward 1,000 t-CO₂/year by 2030, we aim to strengthen the APAC CCS ecosystem.

AGENDA | DAY 1, 19 AUGUST 2026

TIME	SESSION	SPEAKER
8:45 AM	Welcome to APAC Forum on CCS	Alex Zapantis, Head of APAC, Global CCS Institute
Session 1 - Regional updates		
9:00 AM	South Australia: Leading Asia into the Next Era of Carbon Management	Paul Martyn, Chief Executive, Department for Energy and Mining, South Australia Government
9:15 AM	Growing Demand in the North	Alister Trier, Chief Executive, Department of Mining & Energy, Northern Territory Government
9:30 AM	Japan CCUS Policy Update (Prerecorded)	Hiroshi Hasegawa, Director, International Strategy on Natural Resources, Agency for Natural Resources and Energy, Ministry of Economy, Trade and Industry (METI), Japan Government
9:45 AM	Driving Indonesia CCS Projects: The Role of Policy Advocacy and Market Activation	Belladonna Maulianda, Executive Director, Indonesia CCS Center
10:00 AM	Networking Break	
Session 2 - National CCS hub studies/deployment roadmaps Session Chair: Lauren North, Principal Sustainability Partnerships, BHP SPONSORED BY BHP		
10:30 AM	Western Australia CCUS Hubs Workshop outcomes	Daein Cha, Deputy Chair, CCUSNA
10:45 AM	CCUS Hubs in Western Australia – Challenges and Opportunities	Karsten Michael, Principal Research Scientist, CSIRO
11:00 AM	Understanding the Opportunities for CCUS Hub Development in the Northern Territory, Australia	Andrew Ross, Group Leader, Geochemistry, Geosystems & Geodata, CSIRO
11:15 AM	Steel and cement plants as anchor emitters for CCS hub development	Tony Zhang, Head, Carbon Management and Energy Transition APAC, Baker Hughes
11:30 AM	Pathways to CCUS Hubs for Heavy Industry in Asia	Matthew Tutty, Engineer, Climate Change, Hatch
11:45 AM	Panel Discussion	Moderated by Lauren North, Principal Sustainability Partnerships, BHP
12:30 PM	Lunch	
Session 3 - CCS Project Updates		
1:30 PM	Deploying Carbon Capture on the World's First Commercial Scale Cross-Border CCS	Mousa Navamar, Director of Carbon Solutions – Asia Pacific, SLB
1:45 PM	Shell's CCS projects (Prerecorded)	Zharin Zhafrael, General Manager, CCS Asia Pacific, Shell

TIME	SESSION	SPEAKER
2:00 PM	CCS for Cement and Steel Production: Driving Cleaner Ways to Mine, Make and Build	Nathan Bongers, Engineering and Project Manager, LETA
2:15 PM	JOGMEC's Initiatives for CCS Business Development	Yoshihiro Nakatsuka, Director, CCS Planning Division, CCS Project Department, Energy Business Unit, Japan Organization for Metals and Energy Security (JOGMEC)
2:30 PM	CarbonNet: Progress, Partnerships and Pathways to Deployment	Jane Burton, Executive Director, CarbonNet
2:45 PM	Cygnus CCS and International CCS Portfolio Development	Joe Ariyaratnam, Vice President - Business Management & Growth, Mitsui E&P
3:00 PM	Networking Break	
Session 4 - Introduction to Technology Session Chair: Damian Dwyer, Director External Affairs, LETA SPONSORED BY LOW EMISSION TECHNOLOGY AUSTRALIA (LETA)		
3:30 PM	The Role of Low Emission Technology in a Cleaner Energy Future	Damian Dwyer, Director External Affairs, Low Emission Technology Australia (LETA)
3:45 PM	Introduction of KOBELCO's CCUS projects and the latest compressor technology	Yamashiro Yasuhisa, Head of Turbo Machinery Engineering Section, Kobe Steel
4:00 PM	Technology Closing the Gap: Co-locating Direct Air Capture with Carbon Storage to Deliver Genuine Negative Emissions	Ameen Bou Diab, Senior Project Development Manager - APAC, Skytree
4:15 PM	CCS Technology Compendium 2026: Editor's Insights	Hugh Barlow, Senior Capture Lead, Global CCS Institute
4:30 PM	Panel Discussion	Moderated by Damian Dwyer, Director External Affairs, Low Emissions Technology Australia (LETA)
5:15 PM	Networking Break	
Technology Speed Networking and Sommelier hosted Regional Wine Tasting Reception Session Chair: Benn Wheeler, Director Business Development, LETA SPONSORED BY LOW EMISSION TECHNOLOGY AUSTRALIA (LETA)		
5:30 PM	A coordinated session of short discussions between our Technology Exhibitors and Delegates	Exhibitors: CSIRO (2 exhibitors), Kobe Steel, Planet Savers, Global CCS Institute
7:30 PM	Day 1 Ends	

AGENDA | DAY 2, 20 AUGUST 2026

TIME	SESSION	SPEAKER
Session 5 - Geological Storage of Carbon Dioxide		
8:45 AM	De-risking Offshore CO ₂ Storage in Northern Australia: Appraisal Learnings from the Bonaparte CCS Project	Paul Froydenlund, Senior Geologist and Simon McMahon, VP Bonaparte CCS, TotalEnergies
9:00 AM	Carbon Capture Pilot Programs in the Arkaringa and Otway Basins, South Australia	Greg Channon, Chief Technical Officer, Australian Carbon Vault
9:15 AM	CCS Activities in ASEAN: an Update	John Kaldi, Emeritus Professor, Adelaide University
9:30 AM	What Field Validation Makes Possible: The Otway International Test Centre and the Scaling of CO ₂ Storage	Max Watson, Senior Manager – Technology Development, CO2CRC
9:45 AM	Permeability prediction from well logs with machine learning for CO ₂ storage formation assessment in Barrow - Dampier sub-basins	Jiabin Liang, Research Scientist, Energy, CSIRO
10:00 AM	Cardina CCS Project, Australia: Insights into Hybrid CO ₂ Trapping Systems Enabled by Integrated Approaches	Peter Hoiles, Principal Geoscientist, InCapture, and Gareth Williams, Senior Project Manager, Halliburton Integrated Advisory Services
10:15 AM	Networking Break	
Session 6 - Transnational CCS Value Chains Session Chair: Jane Burton, Executive Director, CarbonNet - SPONSORED BY CARBONNET		
10:45 AM	Delivering a Scalable CCS Storage Hub: Infrastructure and Design Strategies to De-Risk Expansion from 2 Mtpa to 7.5 Mtpa	Scott Bailey, Engineering Director, CarbonNet
11:00 AM	From Projects to Ecosystems: Aligning Incentives to Scale CCS in APAC	Sean Liu, Corporate Strategy Senior Manager, Subsea 7
11:15 AM	Australia's Leadership Opportunity: Shaping Cross-Border CO ₂ in APAC	Joe Doleschal Ridnell, Director Climate Policy & Technology, Australian Energy Producers
11:30 AM	Accelerating Cross-Border CCS in APAC	Hahn Le, Senior Advisor, Asia Natural Gas & Energy Association
11:45 AM	International Law Considerations for Transboundary CCS Projects	Guy Dwyer, Partner, and Alexander Zahar, Lawyer, Ashurst Perkins Coie
12:00 PM	Panel Discussion	Moderated by Amanda Griffith, Stakeholder Engagement and Communications Manager, CarbonNet
12:45 PM	Lunch - SPONSORED BY SANTOS	
Session 7 - Standardisation to Support Asian Transnational CCS Value Chains		
1:45 PM	Building the global CCS value chain: NYK's approach to CO ₂ transportation, offshore infrastructure, and project commercialisation	Masaki Ono, Senior General Manager, NYK Group

TIME	SESSION	SPEAKER
2:00 PM	Overview of Options for Liquid CO ₂ Shipping Infrastructure	Ross Weiter, CCUS Lead APAC Region, Worley Consulting
2:15 PM	ISO Certification to Provide Risk Assurance to CCS Projects	Diane Labregere, Principal Consultant CO ₂ Storage, DNV
2:30 PM	Risk-based monitoring of offshore CO ₂ geological storage projects	Karsten Michael, Principal Research Scientist, CSIRO
2:45 PM	Mechanically Lined Tubing for Carbon Capture and Storage Wells: A Cost-Effective Alternative to Full CRA Completion Strings	Ahmed Reda, Technology Manager, Cladtek
3:00 PM	Networking Break	
Session 8 - Business models and Risk Management in Transnational CCS Value Chains for APAC		
3:30 PM	Allocating Risks and Opportunities to Enable Bankable Transnational CCS Value Chains in APAC	Daein Cha, Managing Director, deepC Store
3:45 PM	The role of offtake agreements in carbon management debt finance	Kash Burchett, Global Head of Carbon Removal Technologies, HSBC
4:00 PM	Building Transnational CCS Value Chains in APAC	Petter Undem, SVP Commercial & Asset Management, Midstream & Energy Solutions, Santos
4:15 PM	Unlocking the First Tonne: Decision Architecture for Cross-Border CCS in APAC	Zaireen Bt Zainudin, Manager, Petroleum Economics (Carbon Capture and Storage), Petronas
4:30 PM	Success Factors for the Otway International Test Centre – A 20 year CCS Journey in Victoria, Australia	Paul Barraclough, Director of Business Development, CO2CRC
5:15 PM	A Case Study on Optimization of CO ₂ Value Chain Using Mathematical Programming	Kentaro Shikata, Deputy Manager, Heat Transfer Research Department, Mitsubishi Heavy Industries (MHI)
5:30 PM	Day 2 Ends	

GALA DINNER | ADELAIDE TOWN HALL

For Delegates who purchased the Dinner during Registration.

6:30 PM	Guest Arrival - Canapes and Drinks
7:00 PM	Guests Seated
7:30 PM	7:30 PM - Meal service
11:00 PM	Gala Dinner Concludes



AGENDA | DAY 3, 21 AUGUST 2026

TIME	SESSION	SPEAKER
9:00 AM	Situation Rooms commence <i>Each delegate attends one Situation Room only (as per your registration)</i>	Situation Room 1: Communicating the Value of CCS to Policy Makers and the Community Exhibition Hall
		SPONSORED BY CSIRO
		Situation Room 2: G2G Bilateral Agreements The Gallery
		SPONSORED BY ASHURST PERKINS COIE
12:30 PM	Lunch	
1:00 PM	Situation Rooms wrap-up	
3:00 PM	Day 3 Concludes	

Join the Global CCS Institute

The Institute and its diverse membership are committed to accelerate the deployment of CCS globally.

**Become a member today and
get access to:**



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INTELLIGENCE**



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The generous support of our sponsors allows the Global CCS Institute to run high quality events at very low cost to members and delegates.



Business Events Adelaide & the Government of South Australia

Business Events Adelaide and the Government of South Australia is the general sponsor of the 2026 APAC CCS Forum

Business Events Adelaide is the peak independent body for South Australia's business events industry and a proud sponsor of the APAC Forum on CCS. Since 1974, Business Events Adelaide has attracted conventions, meetings, exhibitions, corporate incentive programs and special events that drive economic growth and create lasting legacies for South Australia.

Working alongside its Team Adelaide network of industry and government partners, Business Events Adelaide provides complimentary support to event organisers from bidding and planning through to delivery. With world-class infrastructure, globally recognised innovation precincts and a collaborative approach, Adelaide fosters research, investment and enduring business connections.

Low Emission Technology Australia

Low Emission Technology Australia is the sponsor of the Technology Speed Networking Reception and Introduction to Technology – Wednesday 19 August

Low Emission Technology Australia (LETA) is an industry-led organisation investing in and accelerating low emission technologies to support cleaner ways to mine, make and build.

Working in partnership with industry, governments and research organisations across Australia and beyond, LETA supports the development and deployment of technologies that reduce emissions from heavy industry while strengthening economic growth and energy security.

LETA's portfolio spans methane abatement, carbon capture, utilisation and storage (CCUS), clean fuels and industrial decarbonisation. Through strategic investment, collaboration and international partnerships, LETA is helping commercialise the technologies needed to reduce emissions across industrial supply chains.



CO2CRC

CO2CRC is sponsoring the Welcome Reception – Tuesday 18 August

CO2CRC is Australia's premier, not-for-profit carbon capture and storage research organisation — built by industry, research and government to answer the questions Australia's net-zero transition depends on, and to answer them in the field, not just in the lab.

CO2CRC owns and operates the Otway International Test Centre (OITC) at Nirranda South in south-west Victoria — the world's only field-scale CCS research facility of its kind, established in 2006. It is where storage, monitoring and verification science is tested against real geology, not just models, across the complete CCS chain from capture through to long-term monitoring.



Santos

Santos is sponsoring the Lunch – Thursday 20 August

Santos is pleased to support the Global CCS Institute APAC Forum. South Australia is home to the Santos-operated Moomba Carbon Capture Storage project, one of the world's largest onshore projects. Moomba CCS Phase 1 is capable of safely storing up to 1.7 million tonnes per annum of CO₂e in the depleted reservoirs near the Moomba Gas Plant in the Cooper basin. The deployment of CCS projects is the centrepiece of Santos' own decarbonisation strategy and to meet demand across Asia Pacific for decarbonisation services. CCS is critical to achieving Net Zero and Australia is well-suited to large-scale deployment of CCS to facilitate domestic CO₂ abatement and support regional emissions reductions. The wider Cooper basin in South Australia has the potential for storage of up to 20 million tonnes of CO₂ per year for 50 years.



BHP

BHP is sponsoring the National CCS hub studies/deployment roadmaps – Wednesday 19 August

BHP is a leading global resources company supplying the iron ore and steelmaking coal that underpin modern steel production. We are committed to supporting decarbonisation across our value chains, including the steel sector, recognising that no single solution will deliver the pathway to net zero.

For hard-to-abate industries such as steelmaking, carbon capture, utilisation and storage (CCUS) can play an important role by reducing emissions from existing assets and infrastructure while creating flexibility as new technologies scale. We are pleased to support forums such as the GCCSI APAC Forum that foster collaboration, knowledge sharing and innovation across the Asia-Pacific region and beyond.



CarbonNet

CarbonNet is sponsoring the Transnational CCS Value Chains – Thursday 20 August

The CarbonNet Project offers world-class CO₂ storage capacity which can help governments meet ambitious climate targets, give industries the certainty to decarbonise, and unlock new investment opportunities in the clean economy.

Safe, proven, and scalable, the Project enables a transition to a net zero future. The project's objective is to enable large-scale emissions reduction through two permitted world-class geological storage sites in the Gippsland Basin, Pelican and Kookaburra. Together these sites have capacity to store over 350 million tonnes of CO₂. Established in 2009, the Project is funded by the Australian and Victorian governments.



CSIRO

**CSIRO is sponsoring the Situation Room:
Communicating the Value of CCS to
Policy Makers and the Community –
Friday 21 August**

CSIRO is helping drive Australia's transition to a competitive low-carbon economy through world-leading energy research focused on electrification, decarbonisation and carbon management.

For more than 25 years, CSIRO has played a pivotal role in advancing carbon capture and storage (CCS), from pioneering CO₂ capture technologies to developing innovative storage and monitoring solutions. Its independent scientific expertise has helped shape regulatory frameworks, de-risk major investments and build confidence in the safety, reliability and scalability of CCS. Through collaborative research, world-class infrastructure, workforce development and international partnerships, CSIRO continues to strengthen Australia's CCS capabilities and support the nation's pathway to net-zero emissions by 2050.



Ashurst Perkins Coie

**Ashurst Perkins Coie is sponsoring
the Situation Room: G2G Bilateral
Agreements – Friday 21 August**

On behalf of the newly formed Ashurst Perkins Coie (bringing together more than 3,500 client-facing practitioners across 52 offices worldwide), we are delighted to sponsor this year's APAC forum organised by the Global CCS Institute. The forum is widely regarded each year as one of the pre-eminent events on the calendar for CCUS industry participants. We know from first-hand experience how valuable attendees find the event and are confident this year will be no exception. We look forward to participating and to continuing to assist our many clients in this space.



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