



Project update

Japan CCS Forum 2025 GCCSI

4 December



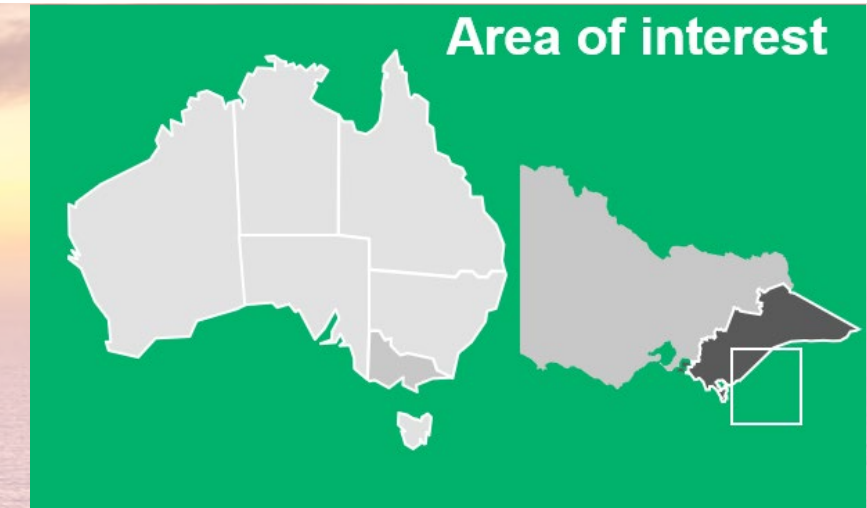
Australian Government
Department of Climate Change, Energy,
the Environment and Water



Jobs, Skills,
Industry
and Regions



CarbonNet is a government owned and funded project



Australia is
home
to CCS innovation

**Global CCS Institute HQ + Peter Cook
Centre for CCS Research, Melbourne**

**CO2CRC Otway International Test Centre, Nirranda
South, South-West Victoria**

**The CarbonNet Project sits in Victorian Gov +
Pelican and Kookaburra permitted storage sites,
Gippsland Basin**

**Gorgon (WA) & Moomba (SA) operating CCS
projects + a number of projects underway**

Market opportunity for CCUS in Australia

Victoria has world class natural resources and opportunities to develop a substantial economic opportunity in CCUS

Opportunities in Victoria

Opportunities to support Australian and APAC decarbonisation

Decarbonising industry



CO2 from industrial processes, reducing emissions in Victoria

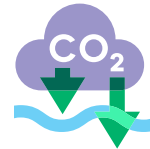
Low-carbon hydrogen, ammonia & urea



Domestic & Export

CCUS for hydrogen in industry, and fuels for shipping and aviation

Negative emissions



BECCS and DAC offsetting hard-to-abate industries

CO2 Shipping imports supported by changes to London Protocol



Interstate & International

Accepting shipping imports from APAC

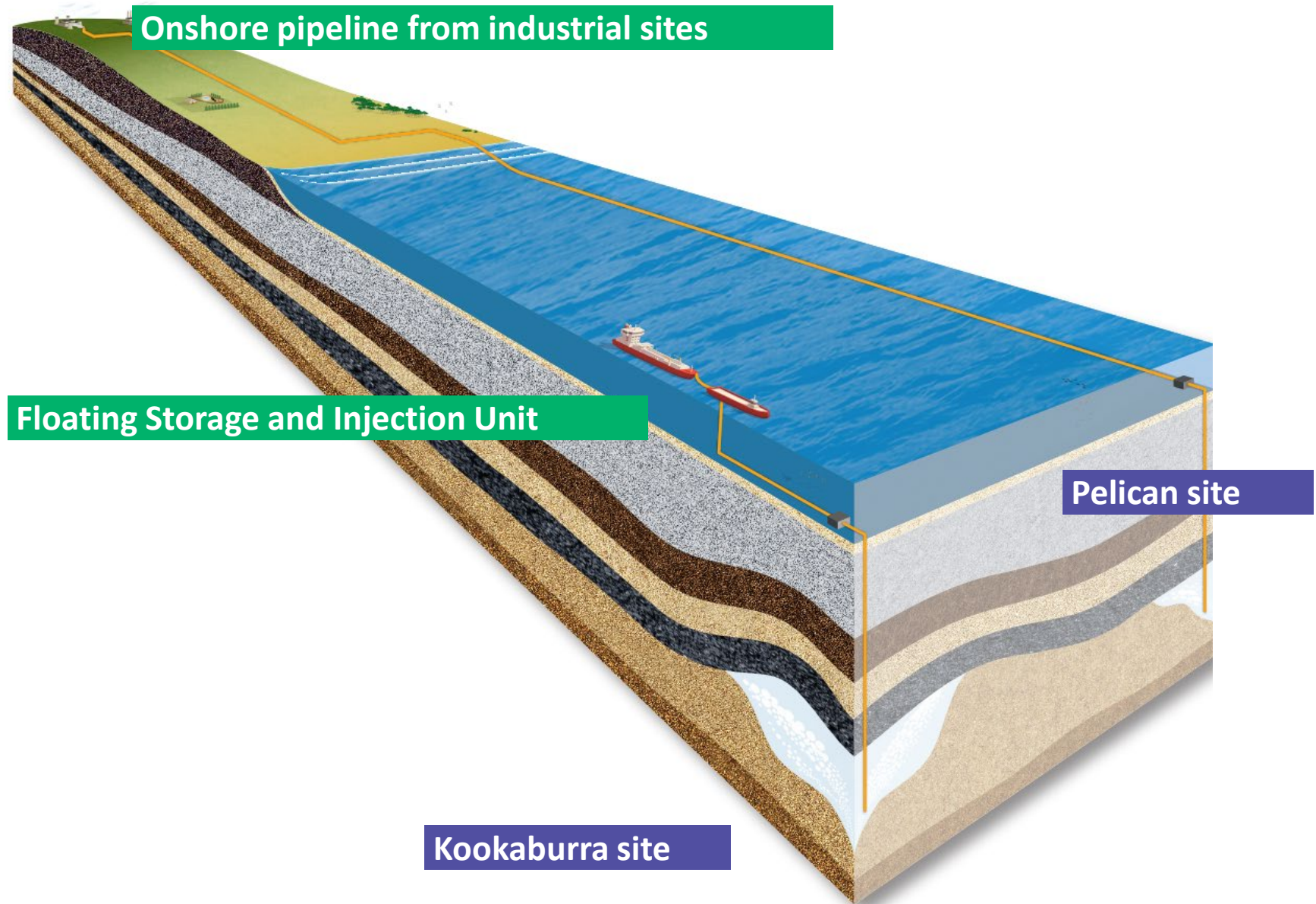


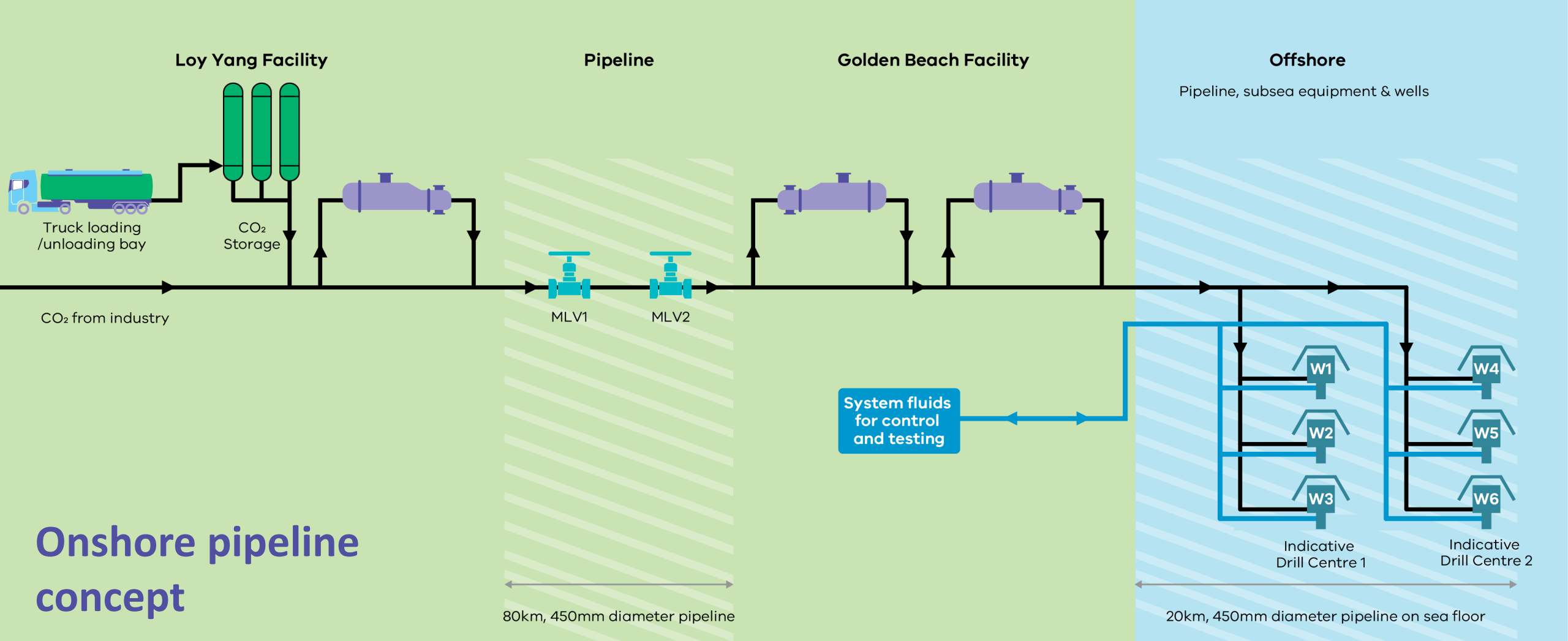
CarbonNet CO₂ delivery concepts

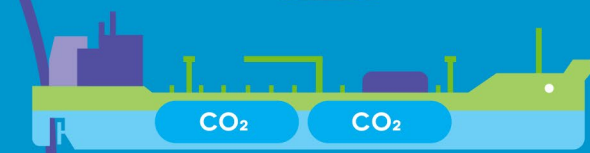
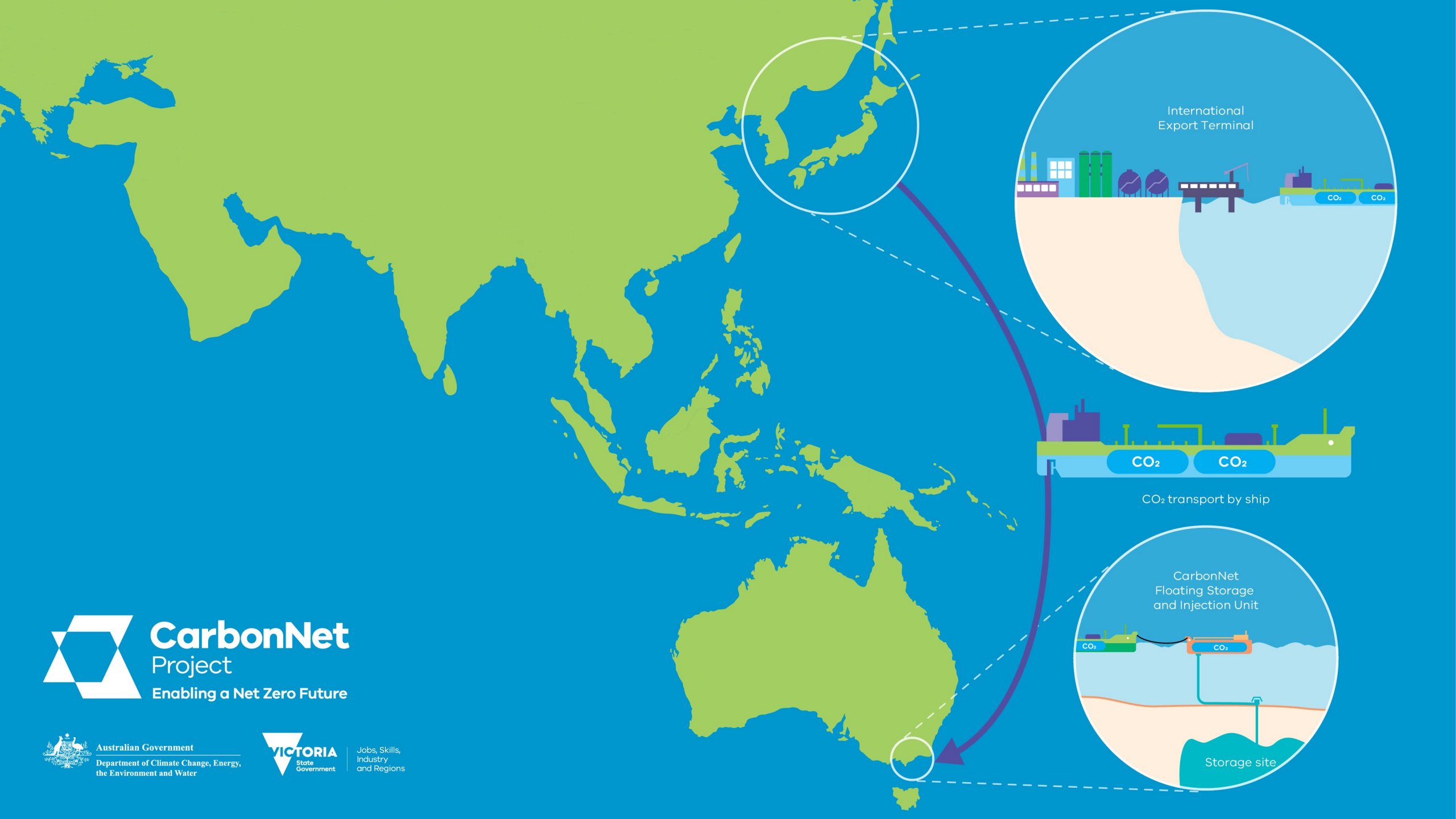
Pelican
168Mt

Kookaburra
180Mt

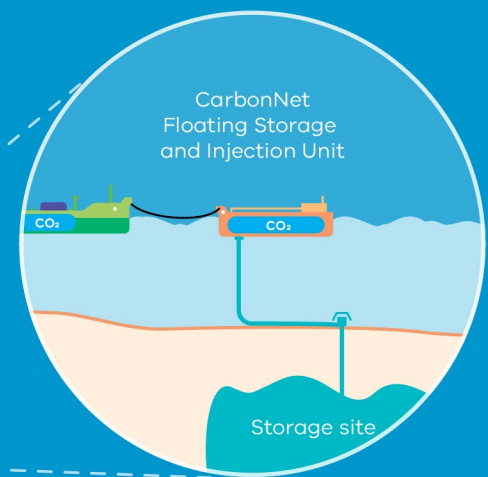
Total
~350Mt







CO₂ transport by ship

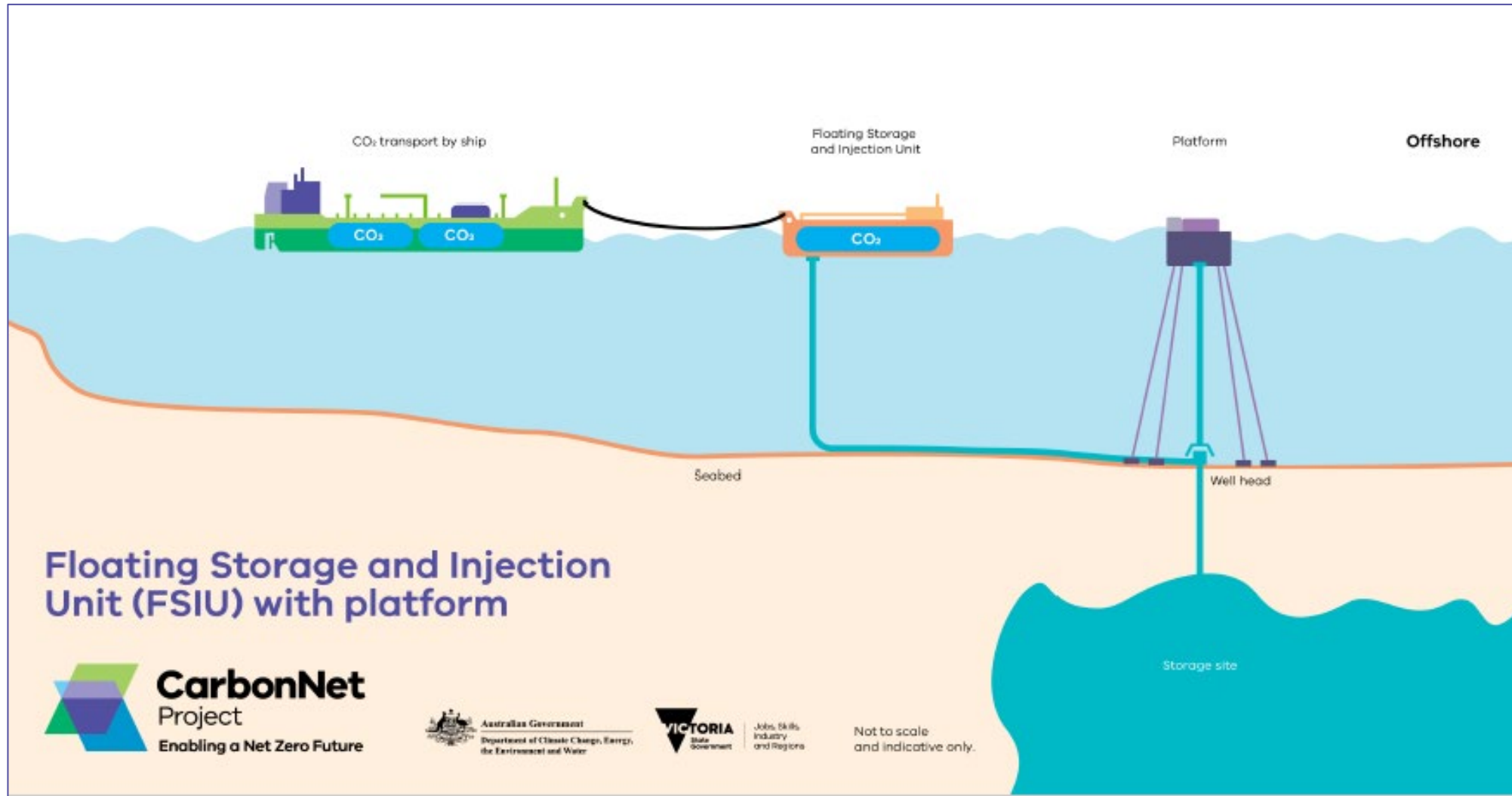


Storage site

CarbonNet Project

Enabling a Net Zero Future

FSIU – CO₂ import concept



Major project milestones

- **2009/10:** CarbonNet project commenced and funded
- **2014-2015:** Stage 1: Concept complete
- **2015-2017:** Stage 2: Feasibility complete
- **2017:** Stage 3: Project Development and Commercialisation commenced
- **2018:** Marine Seismic Survey over Pelican storage site
- **2020:** Offshore Appraisal Well for Pelican storage site
- **2023:** Outstanding Community Engagement award in CCS from CO2CRC.
- **2023:** Pipeline Consultation Plan approval commenced pipeline approvals process
- **2023-25:** Environmental surveys taking place along pipeline route
- **2024:** Front End Engineering Design (FEED) complete
- **2025: Government approval to seek a Development Partner**

Project status – Development Partner Work Program

CarbonNet is now focused on four main objectives in order to secure a Development Partner:

- 1. Achieve an alliance with a development partner/s who will jointly progress the project to a final investment decision (FID) and ultimately operation.**
- 2. Increase the overall project value by completing a suite of geoscience activities including Pelican 2D/3D Seismic reprocessing and submitting DoSF and Holding Lease applications for Pelican and Kookaburra.**
- 3. Increase Project attractiveness by completing preparation of environmental referrals so that potential development partners have visibility of regulatory pathways.**
- 4. Communicate the development partner work program to the community and stakeholders.**

CarbonNet represents a significant opportunity for investors



Gippsland Basin has world-class geology - at least 31 billion tonnes capacity



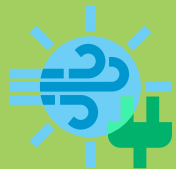
Two permitted sites with total storage capacity of 350Mt



Rigorous peer-review has been conducted



Project geoscience program progressing



Flexible development opportunities



Proximity to highly skilled workforce



Local transportation networks offer critical logistical advantages



Stakeholder and Community support



Government owned project

CarbonNet's community engagement



“We have the right geological formations, the right infrastructure, and the right skills to be at the forefront of CCS and to help our regional partners in their own decarbonisation journeys.”

Madeleine King, Australian Minister for Resources



JOGMEC – MoU Signing in September 2025 (Tokyo)



Support for CarbonNet

- CCS aligns with the Victorian Industry Policy 2025
- The Gippsland Regional Plan 2020-25 identifies commercialising CCS as a 'game changer'
- The Gippsland Regional Economic Development Strategy (2022) recognises CCS as an opportunity for the region
- The Latrobe City Council's State Budget Submission 2024-25 advocates for realising the region's carbon storage potential, including funding CarbonNet. Council recently passed a unanimous motion of support for CarbonNet
- The Committee for Gippsland's Hydrogen Roadmap recognises a role for CCS
- The Project enjoys unanimous support from over 20 union members of the Gippsland Trades and Labour Council.

CarbonNet has support from:

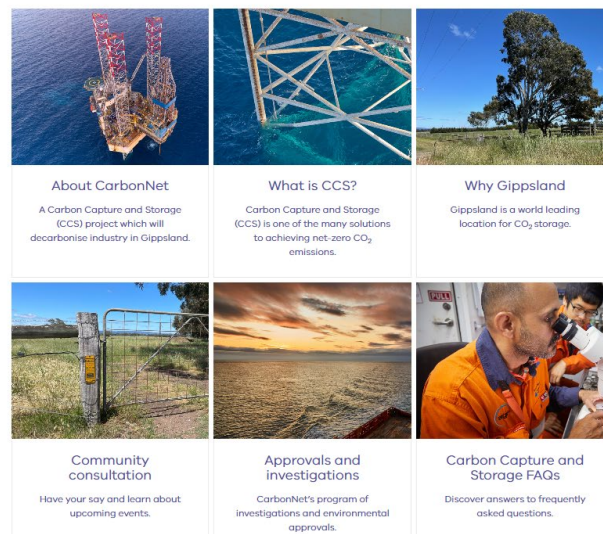
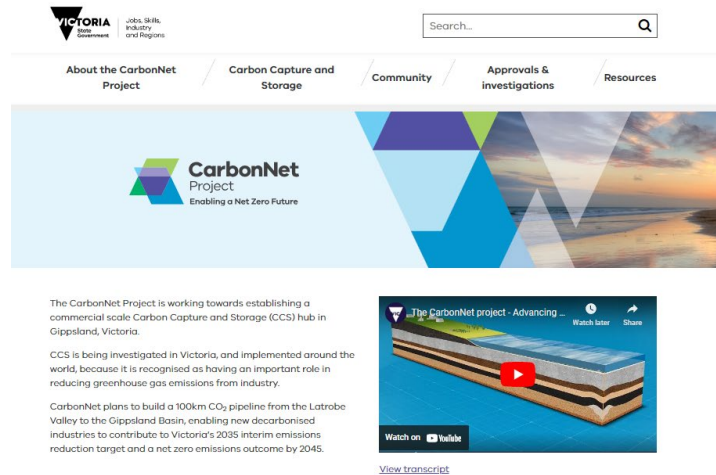


Offshore wind



Keep up to date:

www.vic.gov.au/CarbonNet



October 2023

In this edition

- CarbonNet project update
- Building Australia's carbon removal industry
- CarbonNet at the Gippsland New Energy Conference
- Gippsland Youth New Energy Summit
- Committee for Gippsland launch Hydrogen Roadmap
- New CO2CRC Essentials Course
- CCS news from around the world
- Upcoming industry events

CarbonNet Project update

On 25 August the Victorian Pipeline Regulator (within the Department of Energy, Environment and Climate Action) approved CarbonNet's Pipeline Consultation Plan (PCP). The approval of the PCP allowed for landholder liaison to commence across the proposed 80km onshore pipeline corridor in Gippsland. The CarbonNet team is currently working to individually contact all potentially impacted landholders to seek access to their land, initially to conduct Spring and Summer surveys. The proposed CarbonNet pipeline route is not final and will be informed by landholder and community engagement, front end engineering design and survey outcomes.

[View CarbonNet's Pipeline Consultation Plan](#)

Building Australia's carbon removal industry

Jane Burton and Victoria Mendes Da Costa from the CarbonNet project presented at the recent Atmospheric Carbon Removal Summit hosted by the University of Technology, Sydney. The summit was well attended by national and international representatives seeking to meet global emissions targets through removing CO2 from the atmosphere via multiple methods. Topics included CO2 sequestration, Direct Air Capture, Carbon Mineralisation, and the role of the ocean, rocks and agriculture in decarbonisation.

Roger Aines, Senior Advisor for CO2 Removal at the Office of the Under Secretary for Energy and Innovation at the US Dept of Energy, was the summit's keynote speaker. He provided an excellent insight into US strategy and government support for CO2 removal technologies and the need to progress the sector in Australia. Speakers and attendees emphasised that all CO2 removal methods are needed immediately, alongside emissions reduction. The geological storage of CO2 at scale was acknowledged as critical to reduce CO2 from the atmosphere.



CarbonNet's Jane Burton speaks on a panel at the summit. Image courtesy of the Atmospheric Carbon Removal Summit.

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