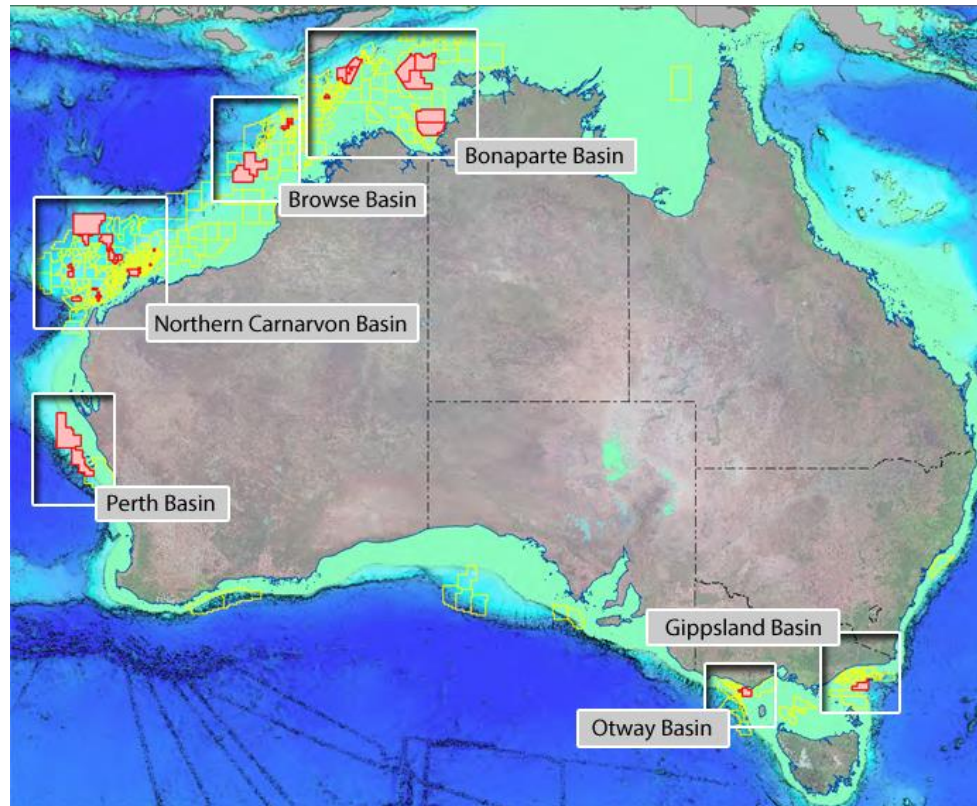


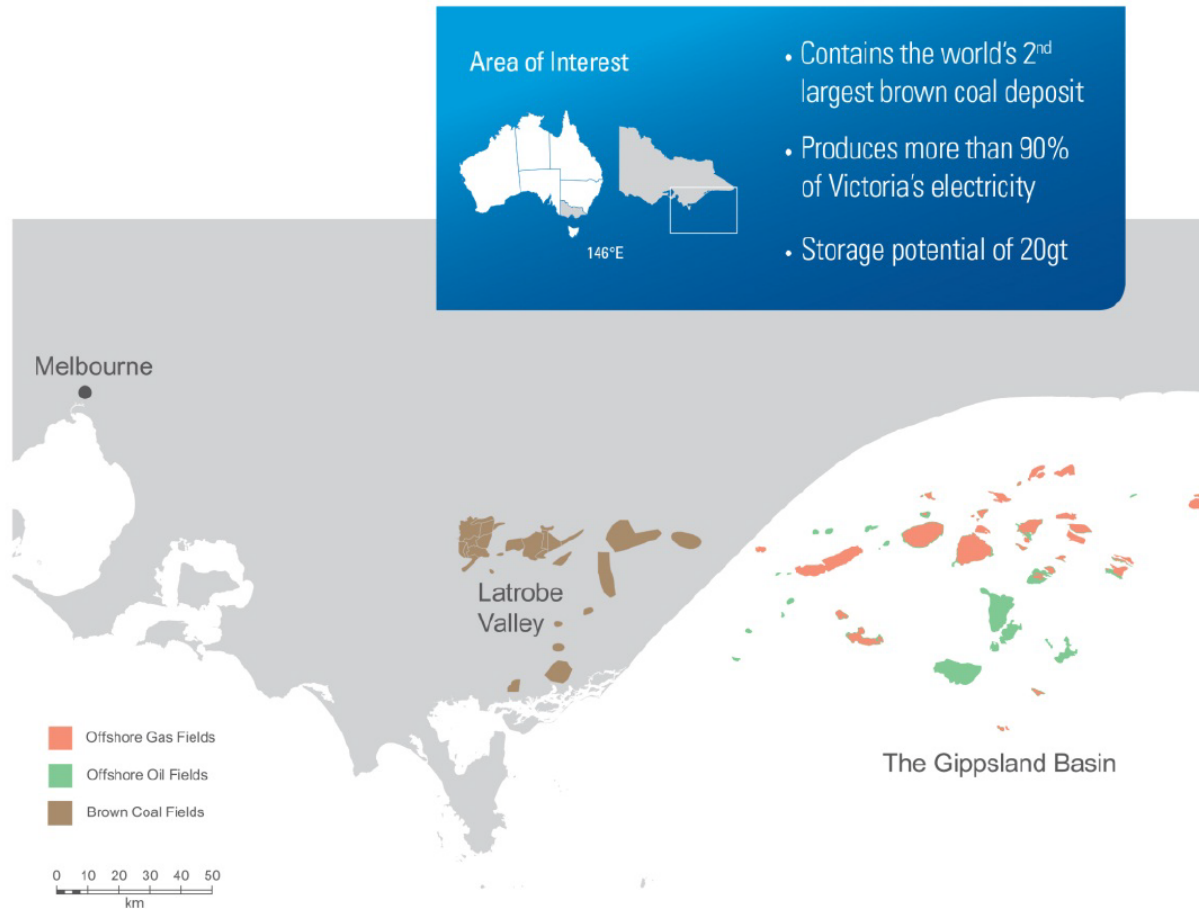
Marine CO₂ storage: Australian perspective

Charles Jenkins, CSIRO Energy & CO2CRC

Offshore basins in Australia



CarbonNet



CarbonNet: mission

- A foundation infrastructure network that demonstrates commercial scale CCS and provides scalable infrastructure for future users - includes defining pipelines and storage.
- A business model concept seeking to balance private/public sector risk allocation to maximise private investment.
- Joint Federal and State project

CarbonNet storage facts

- Investigating potential for 1 – 5 Mt/yr storage offshore from high-intensity point sources onshore (lignite power stations)
- Extensive site screening has identified 3 possible sites with capacities up to 125 Mt; basin overall is 20 Gt
- Detailed appraisal now under way; approximately 20 FTE already invested in the site selection process
- Acreage releases continuing (Federal and State)

More info on the GCCSI site

PUBLICATION

The CarbonNet Project: a historical perspective

25 Jun 2015

Department of Economic Development, Jobs, Transport and Resources
Global CCS Institute

provides a historical perspective of **CarbonNet** from prior to its inception to now. It is intended to help project ... in Victoria, Australia. The **CarbonNet** Project: a historical perspective Carbon capture, use and storage (CCUS) ... Disclaimer 1 Introduction 2 2 The **CarbonNet** Project: A Historical Perspective 5 Appendices 16 Appendix ...

Topics: Carbon capture, use and storage (CCUS) CO₂ hubs



PUBLICATION

The CarbonNet Project: developing a business model for a CCS hub network

25 Jun 2015

Department of Economic Development, Jobs, Transport and Resources
Global CCS Institute

project. The **CarbonNet** Project: developing a business model for a CCS hub network Carbon capture, use ... Disclaimer 1. Introduction 1 2. CCS and a hub network approach 3 3. The **CarbonNet** Project 7 4. Framework ... role in knowledge sharing for the development of CCS globally. **CarbonNet**, together with many other CCS ...

Topics: Carbon capture, use and storage (CCUS) CO₂ hubs



NEWS ITEM

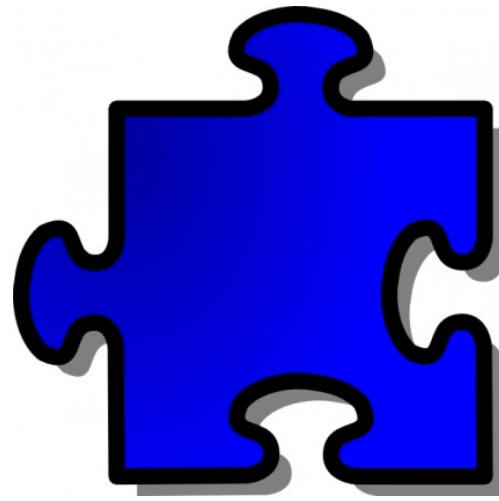
General comments - pro

- Already have
 - Regulations – in place but untested
 - Sources and sinks – offshore basins are close to significant sources, mapped and evaluated
 - In-country knowledge and experience – long offshore and onshore history of exploration and production
 - Enough R&D to get started

General comments - con

- Main issues
 - **P**ipeline networks – “first mover” problem – national infrastructure issue
 - **P**ermitting - overlap of jurisdictions & general administrative friction
 - **P**eople – public opposition likely (fisheries, national parks, recreation...)
 - **P**olitics – currently no incentives for CCS to proceed

The missing piece



Innovative financial engineering to make CCS projects investible

Government, Industry and Research Partners



Gorgon



Ichthys



Hazelwood, Latrobe Valley



[Simpsons fan 66](#) at [en.wikipedia](#)



Latrobe Valley sources

