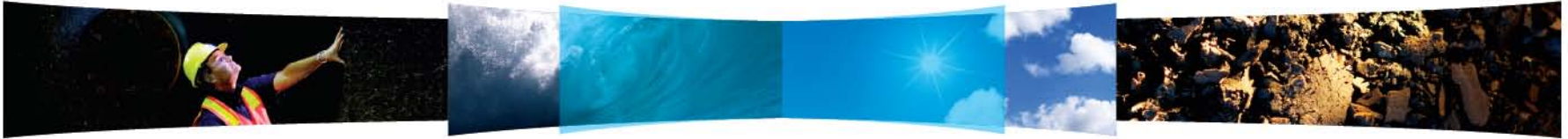


# Victoria: Supporting the development of low emission coal technologies

Dr Richard Aldous  
Deputy Secretary Energy and Earth Resources  
Department of Primary Industries

8 September 2010



# Energy Policy Setting - Victoria

## Climate Change White Paper:

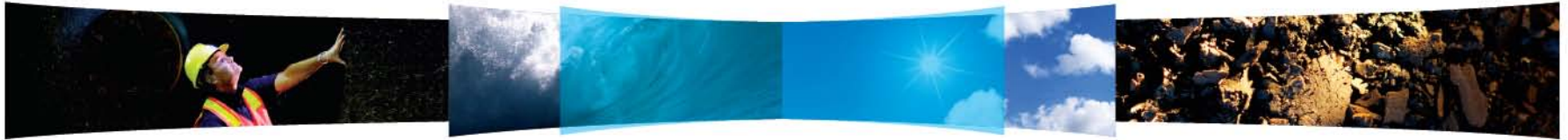
### Taking Action for Victoria's Future - announced 26 July 2010

- Reduce emissions from Victorian brown coal-fired generators by up to four million tonnes over the next four years
- Prohibit approvals for *conventional* brown coal-fired power stations - new ones must:
  - be carbon capture ready
  - have emissions less than 0.8t/MWh
- Fund further development of the CarbonNet 'CCS hub' Project
- Support the Latrobe Valley to transition to a low carbon economy



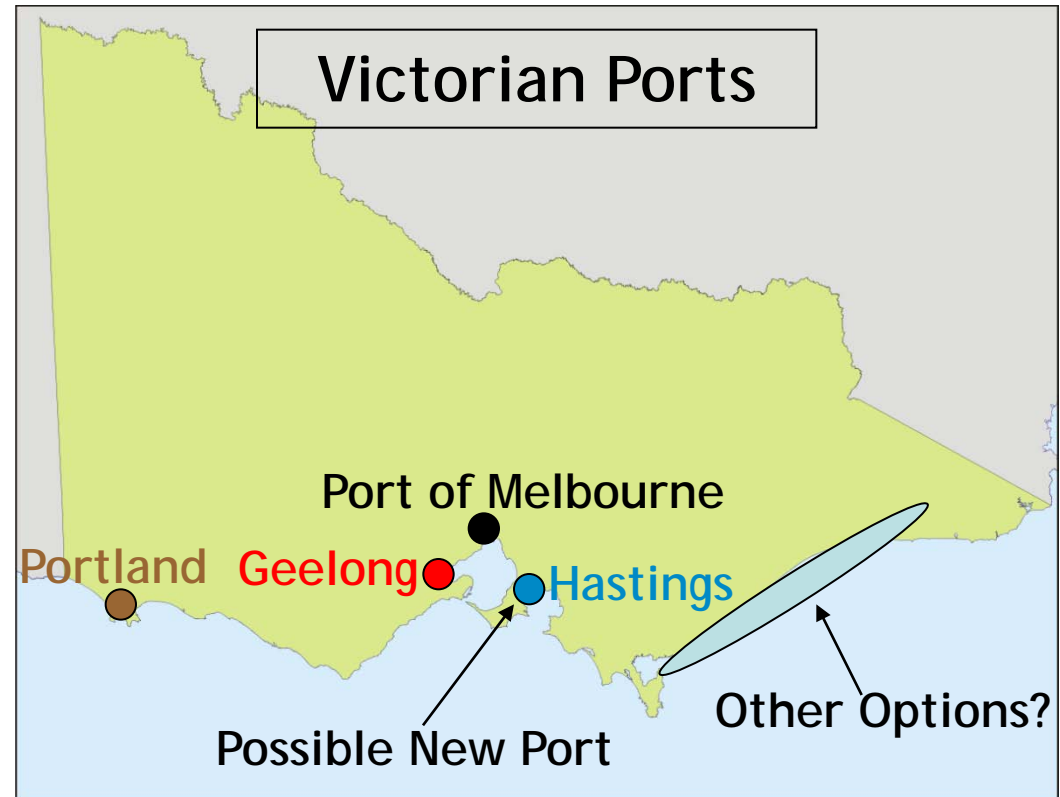
# Energy Policy Setting - Australia

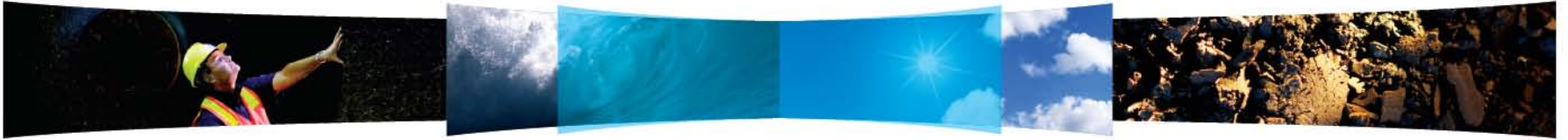
- Federal Election held on 21 August 2010
- Outcome of the Election
- What this means for the future - Australian Government climate change and energy policies



# Infrastructure Planning

- Victoria - a world class network of port, rail & pipeline infrastructure
- Not yet ready for bulk commodity or product export
- Numerous opportunities for new ports & infrastructure
- Studies underway - including coal and product export

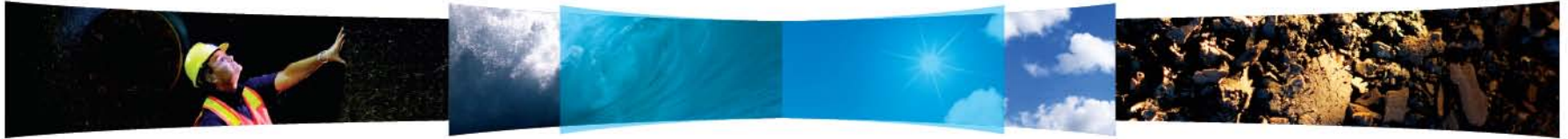




# Victorian Brown Coal

Victorian brown coal - one of the world's great energy resources  
More energy than Australia's NW Shelf gas reserves



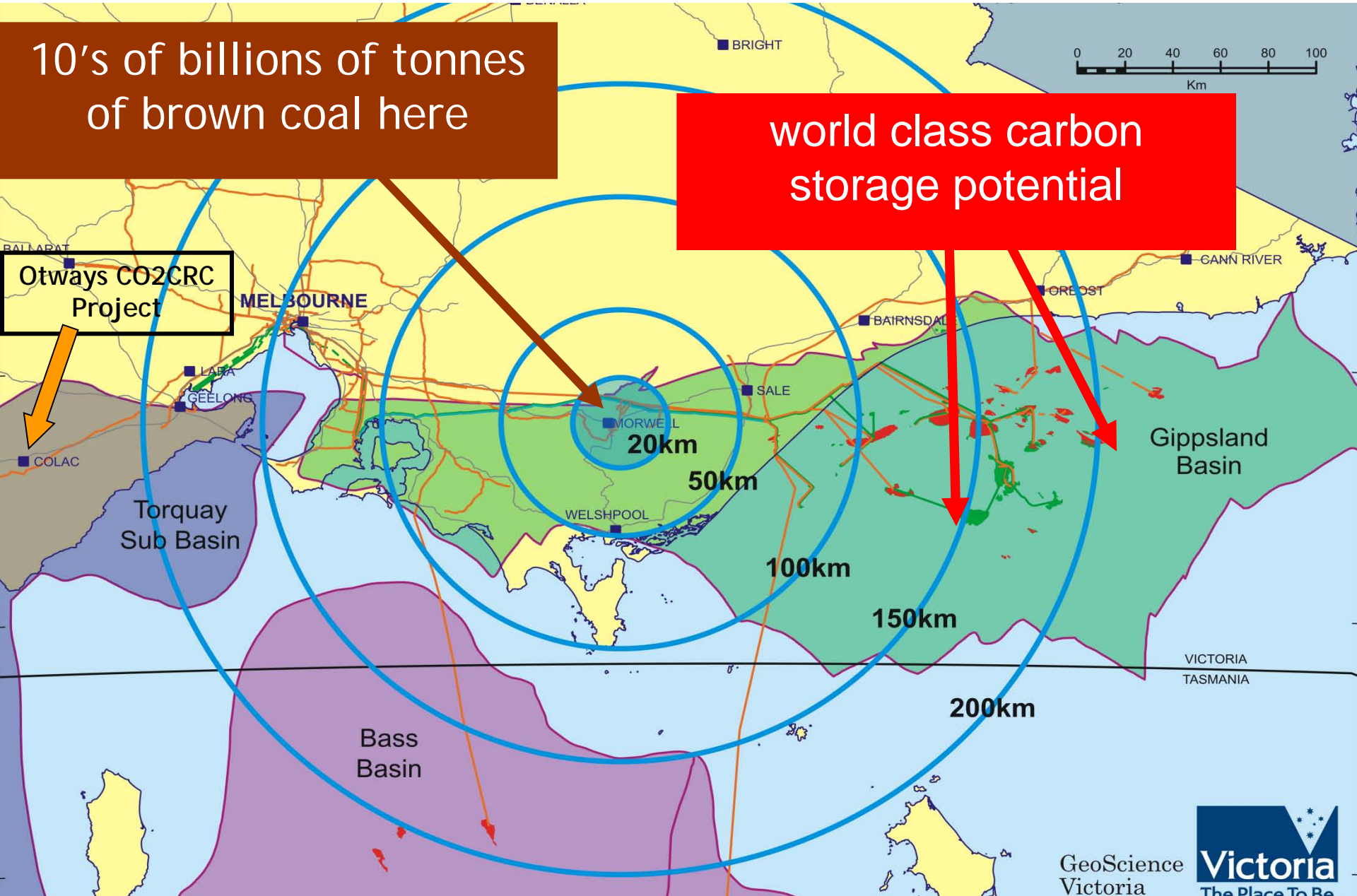


# CarbonNet Project

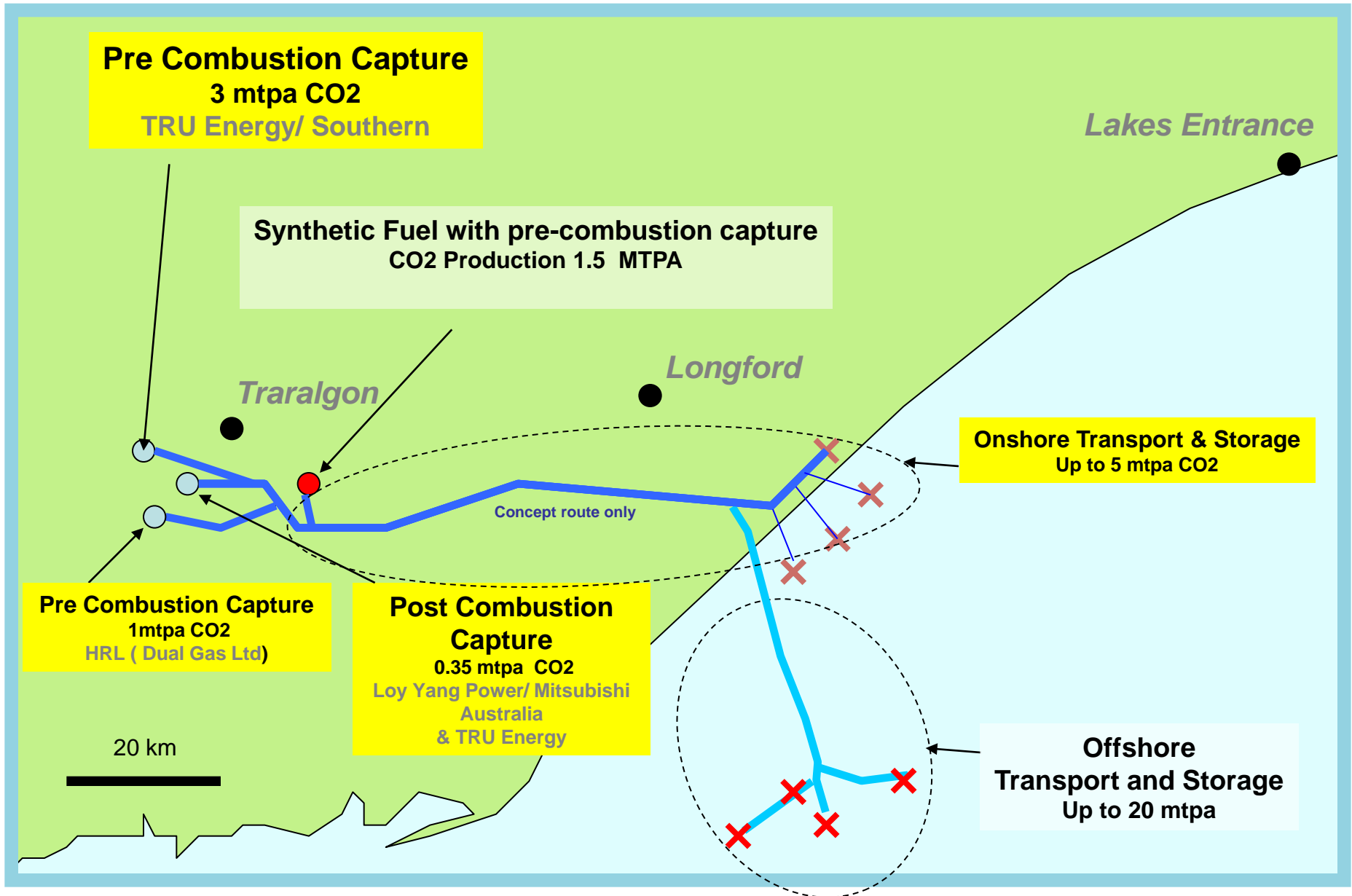
# World class CCS location next to large coal resources

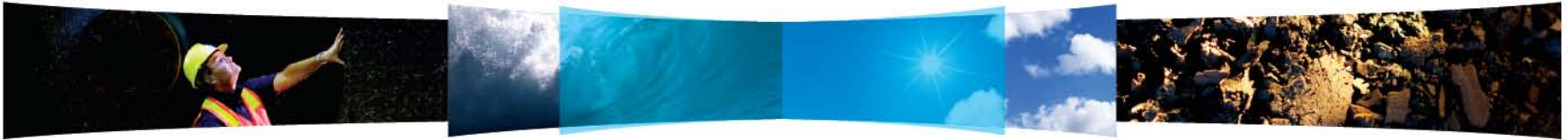
10's of billions of tonnes of brown coal here

world class carbon storage potential

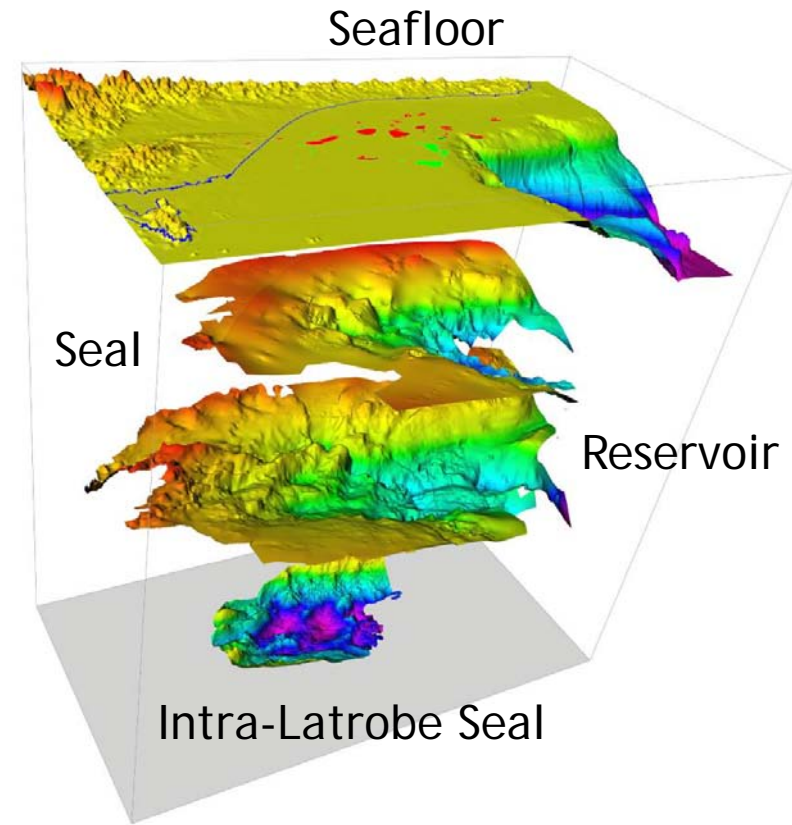
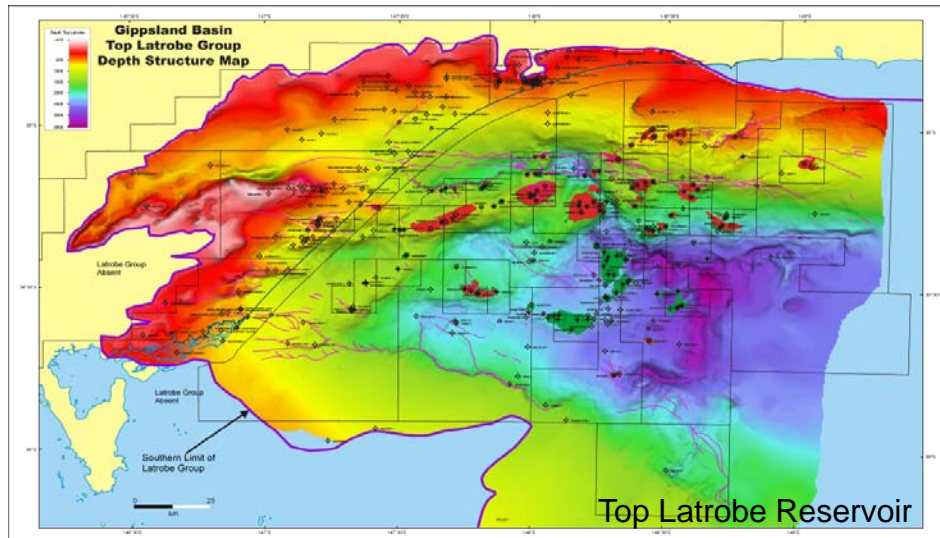


# Capture, Transport and Storage - a CCS Hub

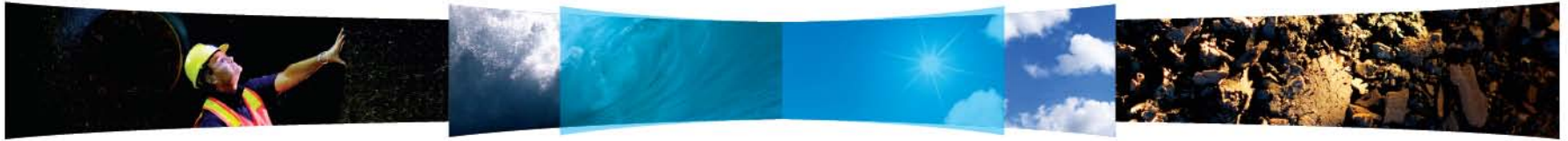




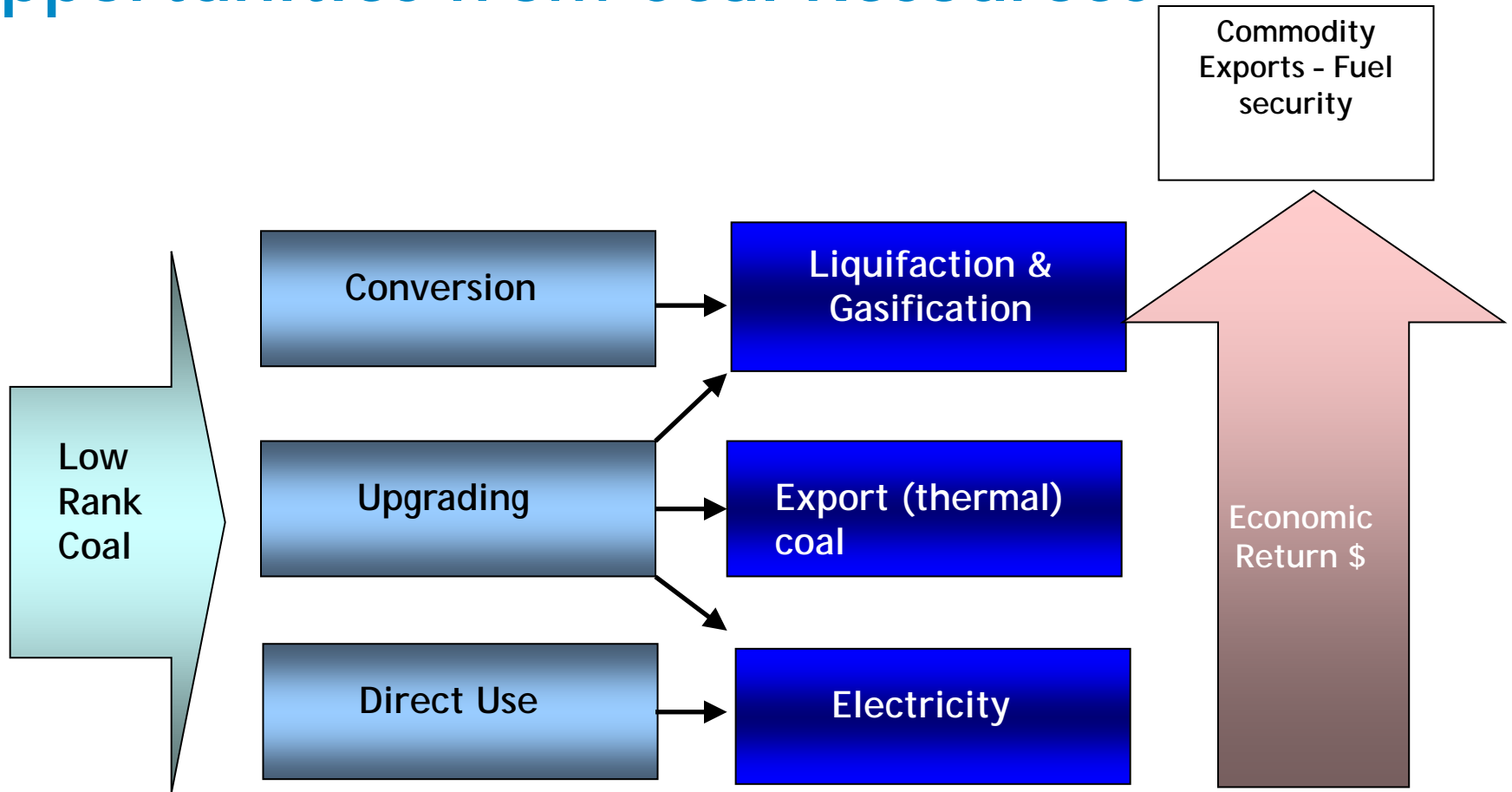
# Geological Framework and Databases

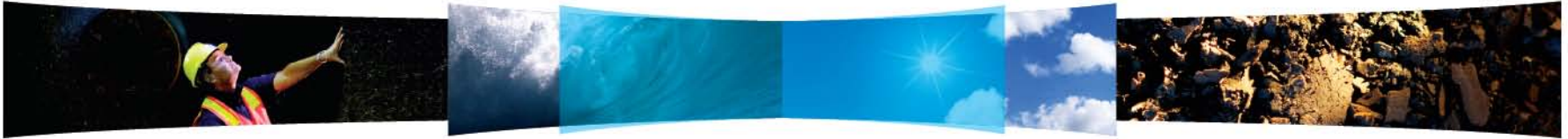


Build geological framework and databases of supporting geoscience information (porosity, permeability etc)



# Opportunities from Coal Resources

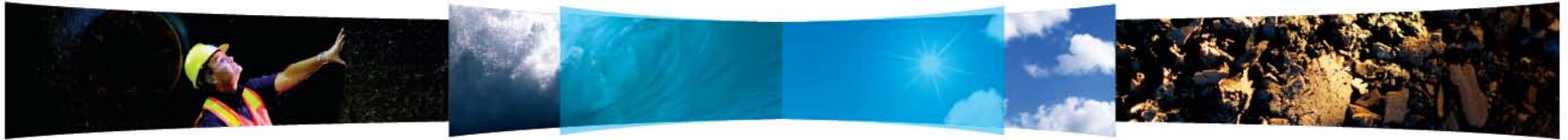




# Brown Coal Innovation Australia

- A\$16 million over 4 years
- Facilitate Research and Skills Development
- Based in Victoria
- Funding round now open

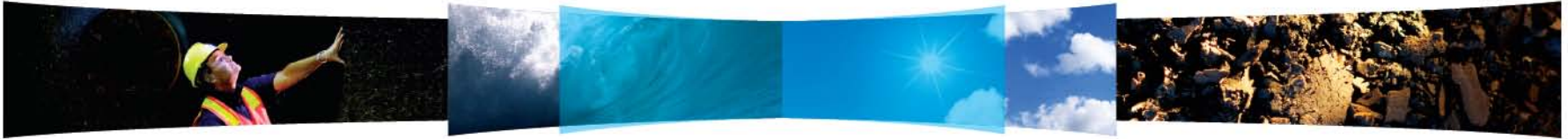




# Project Collaboration - Japan and Victoria

- MoU between JCOAL and Victorian Department of Primary Industries
- Collaboration on R&D and joint projects using Victorian Brown Coal





# R&D Collaboration - Japan and Victoria

- Letter of Intent between Kyushu Electric Power Company and the State Government of Victoria
- Collaborative and Complimentary R&D Projects





Thank You

Questions