



Australian Government

Department of Climate Change, Energy,
the Environment and Water

Hydrogen in Australia

Green Hydrogen Conference

Sarah Storey, Chargé d'affaires, Australian High Commission, New Delhi



Australia's Climate Change Framework



“Australia is ... committing to reduce greenhouse gas emissions 43% below 2005 levels by 2030.”

“Australia also reaffirms its target to achieve net zero emissions by 2050.”

Australia's Climate Change Framework

Powering Australia Plan

- **1.1 lakh crores (AUD 20 billion)**
Rewiring the Nation to upgrade and expansion of Australia's electricity grid
- **10,409 crores (AUD 1.9 billion)**
Powering the Regions Fund to ensure traditional and new industries in regional Australia can harness decarbonisation opportunities.
- **Safeguard Mechanism Reforms.**

Net Zero Authority

- Support **workers** in emissions-intensive sectors to access new employment, skills and support as the net zero transformation continues.
- Coordinate programs and policies across government to support **regions and communities.**
- Help **investors** and **companies** to engage with net zero transformation opportunities.

Australian Hydrogen Strategy

“Australia is well placed to play a significant role in the global hydrogen industry...”

"Australia has the resources, and the experience, to take advantage of increasing global momentum for clean hydrogen and make it our next energy export..."



Growing Australia's Hydrogen Industry



Hydrogen Headstart Program

- 10,957 crores (AUD 2 billion) in funding announced in Federal Budget 2023/24
- Competitive hydrogen production contracts to support renewable hydrogen



Hydrogen Hubs Initiative

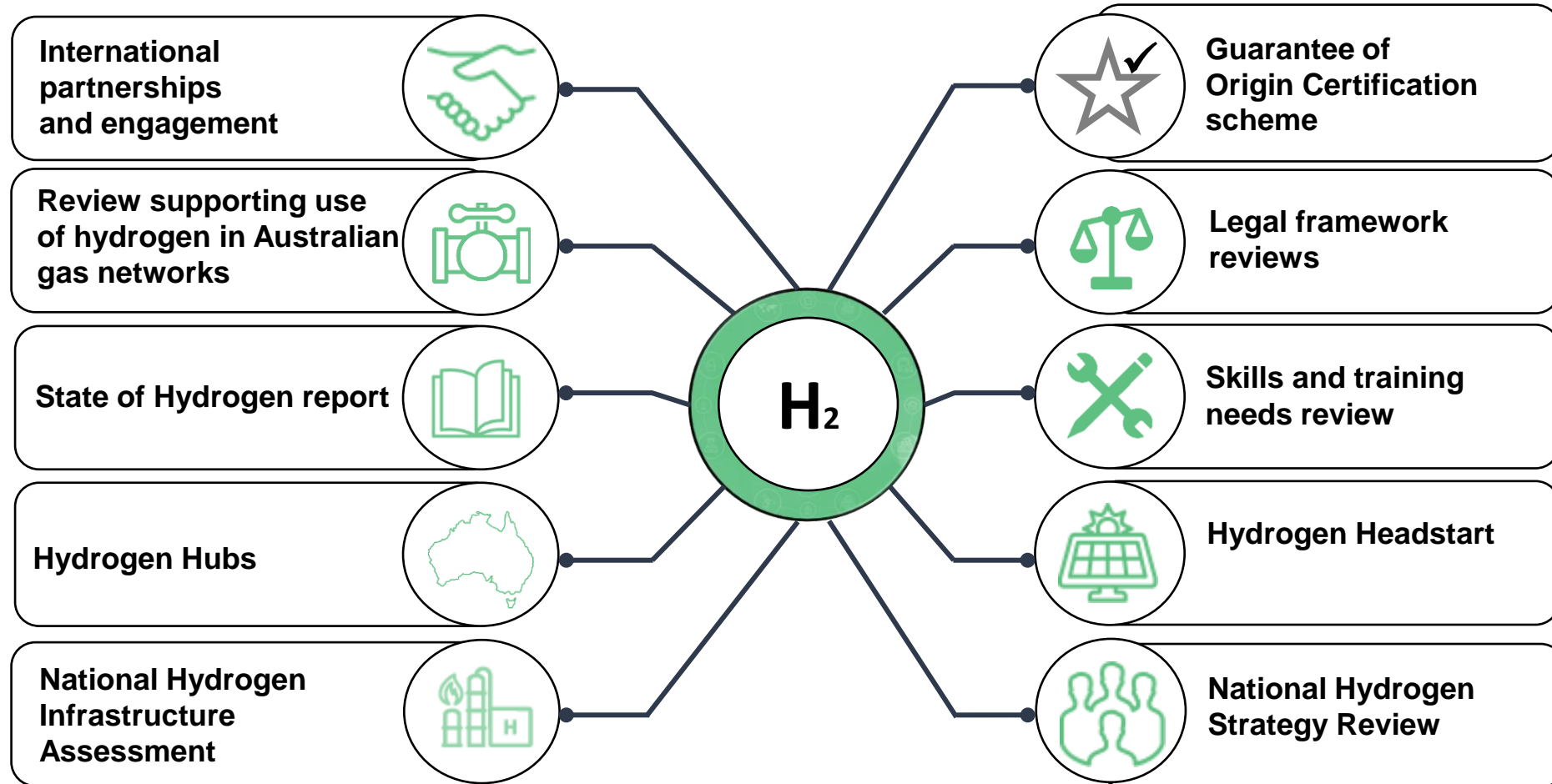
- 30.6 crores (AUD 5.6 million) to support further work on leveraging competitive strengths
- Gladstone, Townsville, the Pilbara, the Hunter and Bell Bay



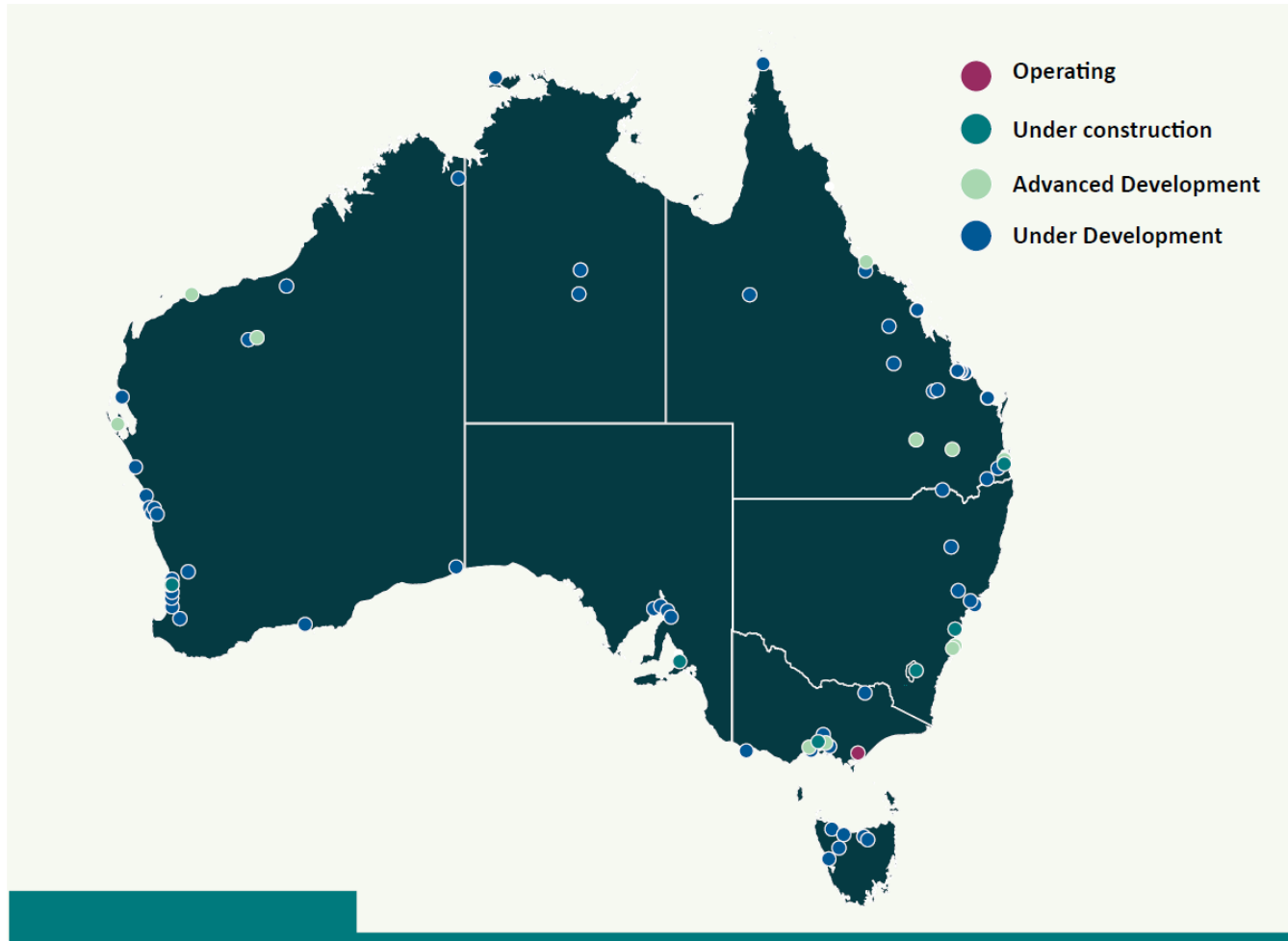
Guarantee of Origin Scheme

- 209 crores (AUD 38.2 million) in new funding will commence with certifying clean hydrogen
- Will provide transparency to industry on emissions and energy source used

Australian Hydrogen Initiatives




Australia's Hydrogen Projects




- 100+ announced clean hydrogen and hydrogen derivative projects in Australia
- 15+ projects reached final investment decision
- 13 lakh crore to 16 lakh crore (AUD 230 billion – 300 billion investment pipeline)


International Collaborations - Hydrogen

Japan 

- Australia-Japan Partnership on Decarbonisation through Technology
- Australia-Japan Joint Statement of Cooperation on Hydrogen and Fuel Cells

Republic of Korea 

- Australia-Republic of Korea Low and Zero Emissions Technology Partnership
- Technical exchange of low-emission technologies

Singapore 


- Australia-Singapore MOU on Low Emissions Solutions
- Australia-Singapore Green Economy Agreement

United Kingdom 


- Australia-UK Clean Technology Partnership
- Information exchange on policy, legal and regulatory frameworks and best practice

United States 

- Australia-United States Net Zero Technology Acceleration Partnership
- Cement decarbonisation (collaboration with CEM and GCCA)

India 

- Letter of Intent on New and Renewable Energy Technology
- Australia-India Green Hydrogen Taskforce

Germany 

- Australia-Germany Hydrogen Accord
- Cooperation on demonstration projects in hydrogen hubs

Netherlands 

- Netherlands Memorandum of Understanding on Cooperation in the Field of Hydrogen
- Knowledge exchange on policy, certification and innovative technologies