

Procuring Green Road Infrastructure in Australia



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Quick facts about Roads Australia

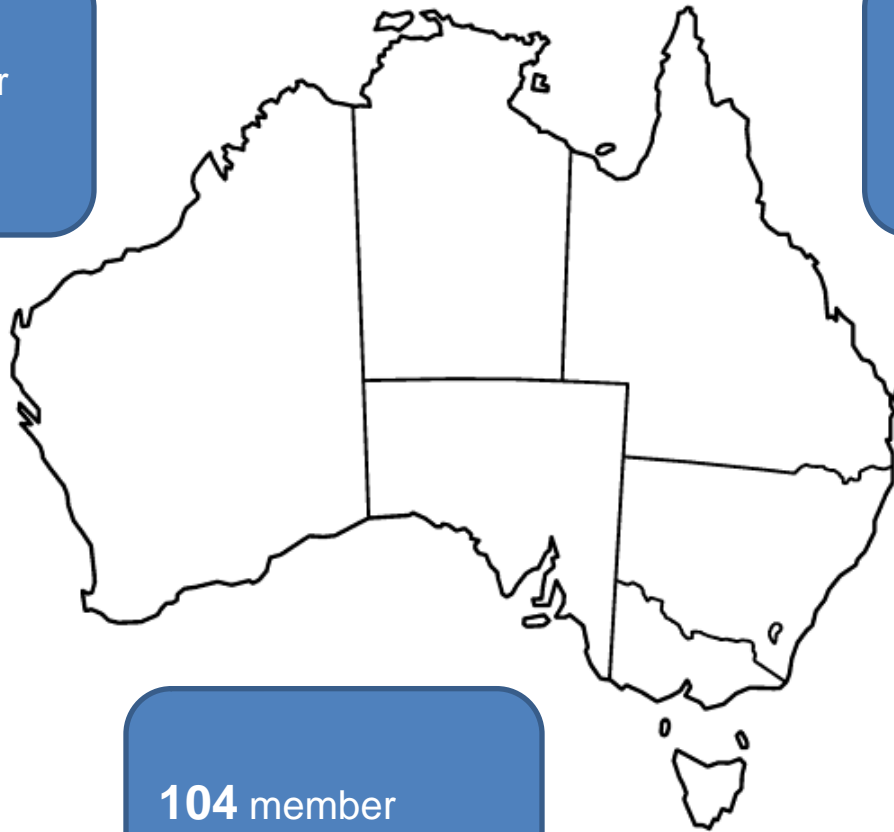
National peak body road sector stakeholders in Australia

Over **5,000** participants in policy, single table, industry and board dinners

Partner with state road agencies and transport departments

5 policy chapters: Sustainability, Network Reliability, Capacity, Local Government and Transport Reform

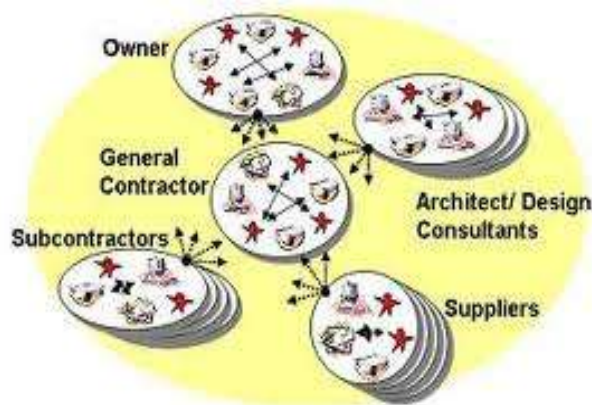
104 member organisations



Why sustainable procurement?

Construction industry impacts in Australia

The construction industry in Australia is worth over AUD\$100 billion and employs over 1 million people



Typically 80% of the turnover of a major construction company goes to the supply chain

Why sustainable procurement?

Construction industry impacts in Australia

There are over 20,000 businesses in the industry, most of which are small to medium enterprises



**50.2 million
metric tons
in 2008**

CO2 emissions from the construction industry in Australia continue to rise

Transport emissions

Transport accounts for 16% of Australia's greenhouse gas emissions



Road vehicles account for 14% of Australia's total domestic emissions

Top 3 sustainability policy objectives

Influencing the supply chain to accelerate sustainable outcomes



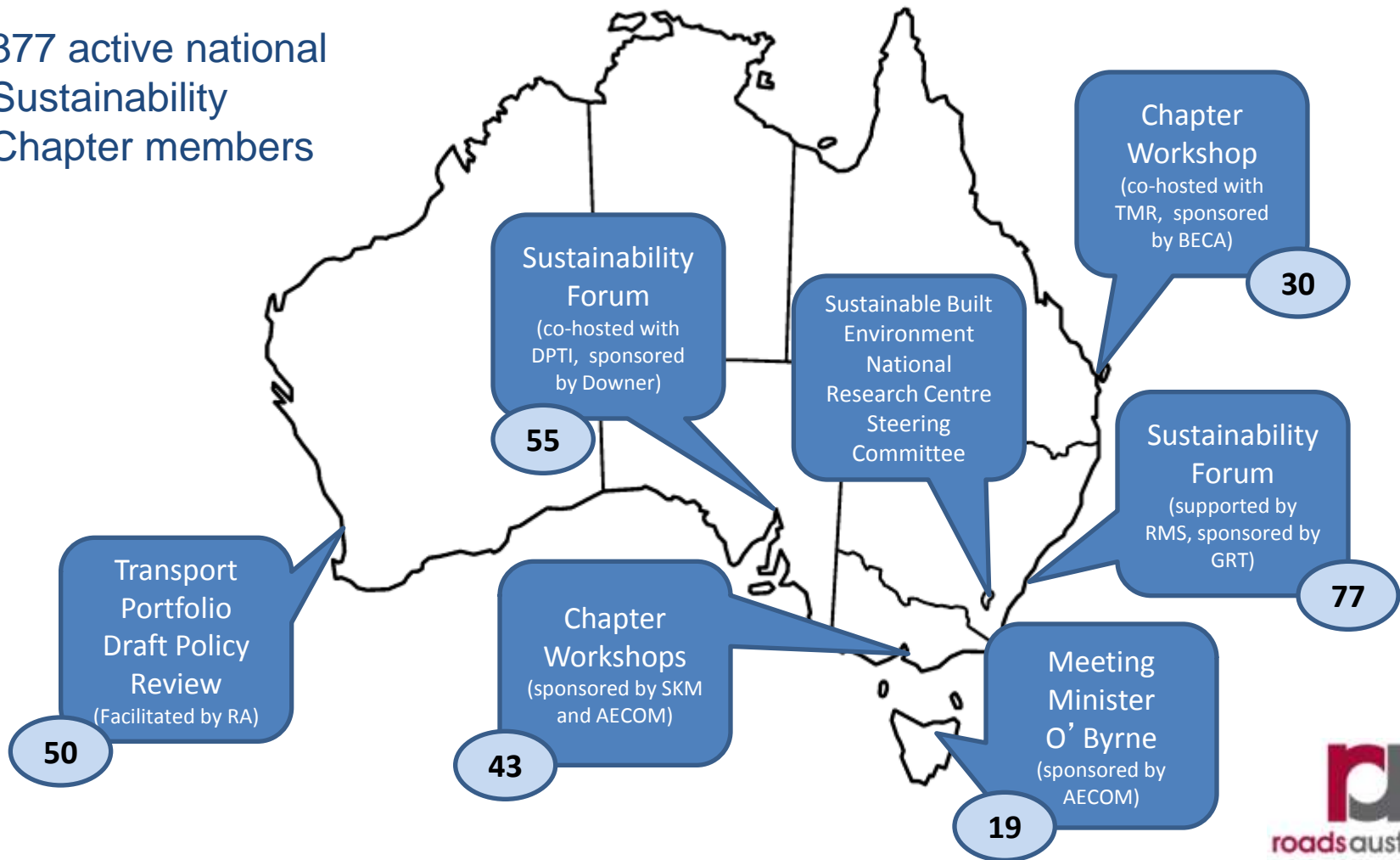
Monitoring progress and sharing case studies

Increasing resilience with an emphasis on design, materials and technology



Sustainability policy action in Australia

377 active national
Sustainability
Chapter members



Barriers to improve sustainable outcomes



Lack of incentives for industry to achieve sustainability outcomes (above prescribed specifications)

Lack of recognition of whole-of-life costings including the cost-benefit of “future proofing” roads and structures



Inertia in asset management to embrace new asset classes

Barriers to improve sustainable outcomes



Time and risks involved in proving new materials or technologies

Lack of knowledge of previous sustainability initiatives trialled including trials/use of new materials and technologies



Opportunities for sustainable outcomes



Knowledge sharing

Clear specification of sustainability outcomes, not prescription, in tenders (that encourage innovation)



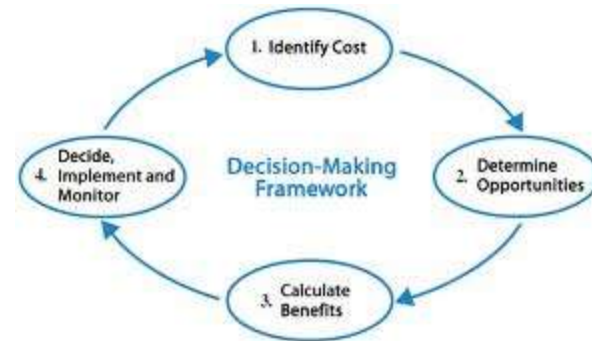
Early involvement of contractors in project development and design

Opportunities for sustainable outcomes



Inform regulators of the cost effectiveness of sustainability measures

Development of a decision-making framework to guide understanding and decision on trade-offs during project design and delivery



Streamlining of a process to evaluate new materials and technologies “off-line” from project delivery

Opportunities for sustainable outcomes



Monetise social and environmental costs and include in economic analyses

Increase measurement on operational footprint, climate change risk, key performance criteria



Strengthen governance structure, report performance with stakeholders regularly

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