



# Analysis of market, cost and locational factors for green iron and steel in Australia

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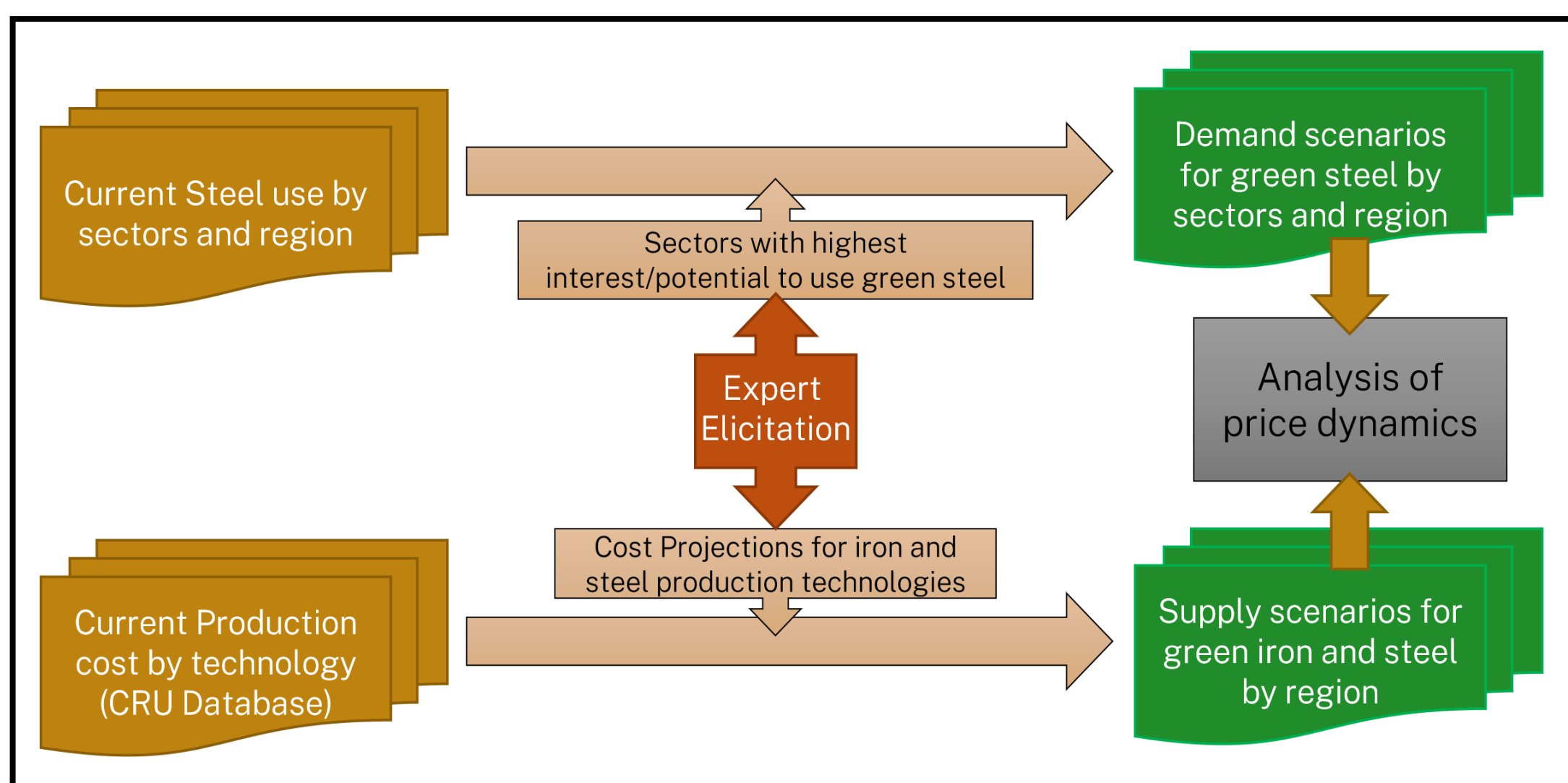
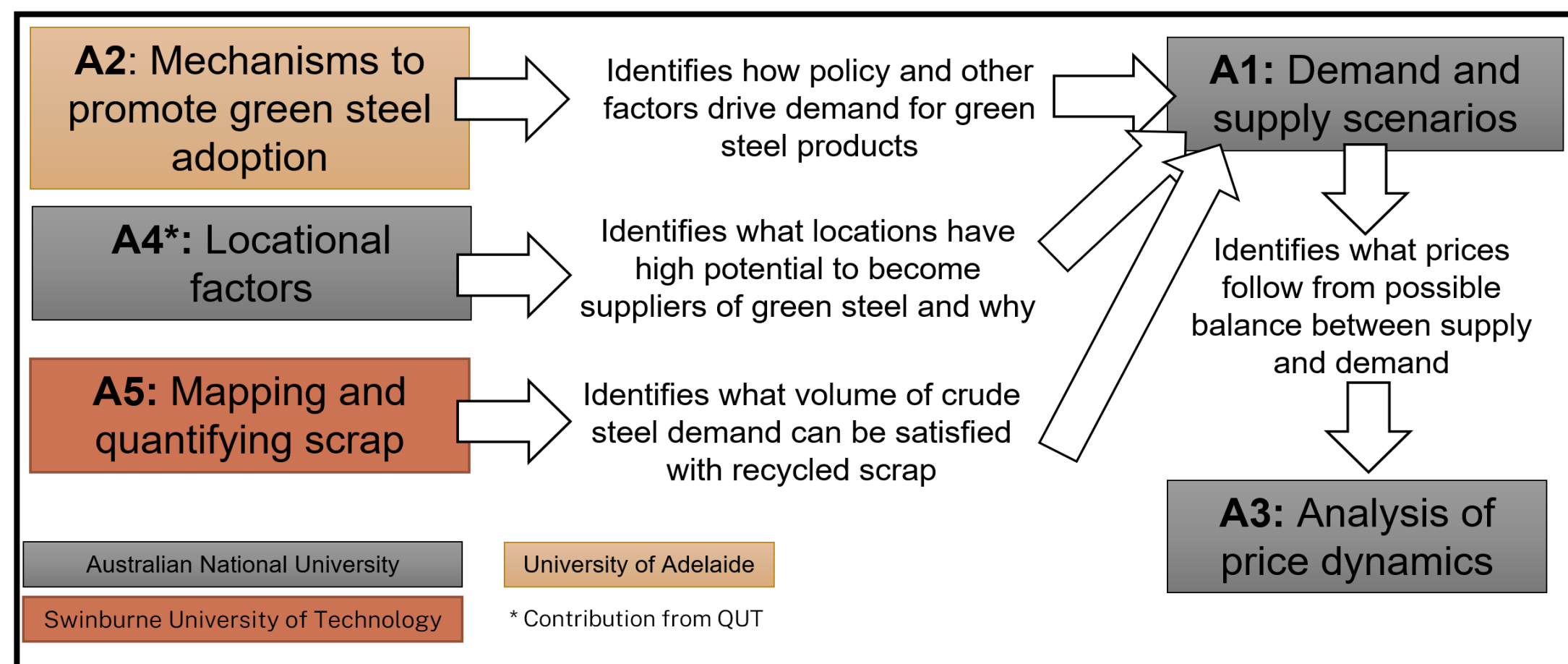
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## Introduction

Green iron and steel are an essential part of a net-zero future and a potentially large opportunity for Australia to export processed commodities. However, there is limited understanding of the market size of green iron and steel, possible patterns of global production and trajectories through time, the various factors that in practice will affect the location of production new facilities, what role policies in different countries may play, and how all this is likely to shape Australia's international competitiveness in green iron and steel.

This project proposes a systematic review of existing modelling studies on iron and steel demand, market size from the secondary route and from primary steel, analysis of possible future carbon prices and border carbon measures and their effects, and locational factors for the emergence of new iron and steel industries; construction of a green iron and steel demand model; and expert elicitation to understand perceptions, including industry location and drivers of green steel demand.

The research is led by the team at the ANU Zero-Carbon Energy for Asia-Pacific initiative. Research partners include the University of Adelaide, Swinburne University, and Queensland University of Technology. The research team will conduct the work in coordination with HILT industry partners (GFG Alliance, Fortescue and MRIWA).



## Expert Elicitation

Considering the uncertainty around the market for green iron and steel, it was decided to design a questionnaire and collect the opinion of different stakeholder groups (industry, academia and governments). The questionnaire covers seven key aspects of green iron and steel pathways:

- Green iron and steel production processes
- Demand for Green iron and steel in different sectors and regions
- Ranking of obstacles for green iron and steel production in Australia.
- Review of enabling measures to overcome these obstacles.
- Production costs
- Production quantity
- Trade

If you are interested to participate in the expert elicitation and know more about the project, please sign up here:



## Acknowledgements

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