

Five ways to improve the agrifood innovation system in Australia

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CSIRO AGRICULTURE AND FOOD
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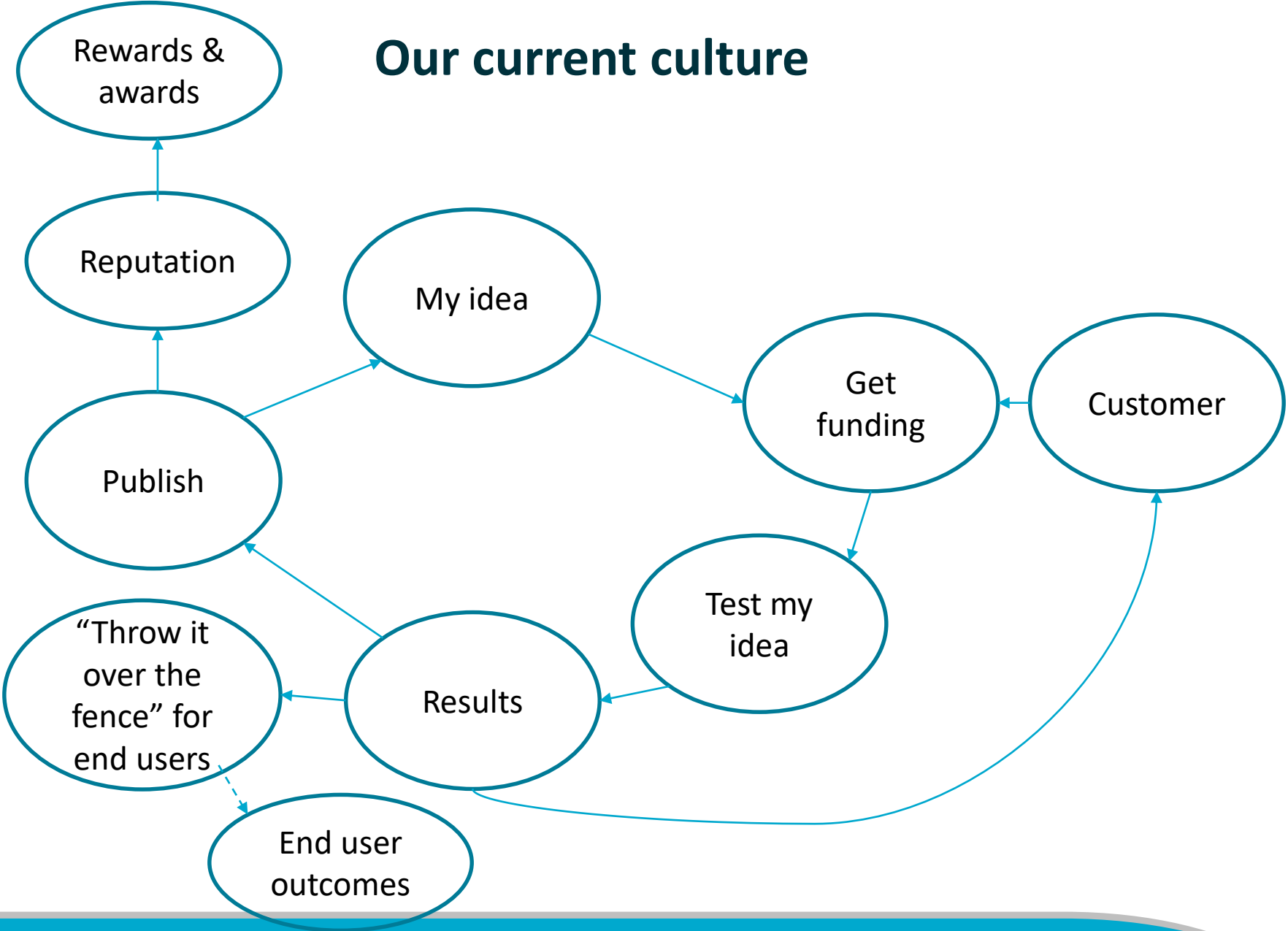


What's currently not working?

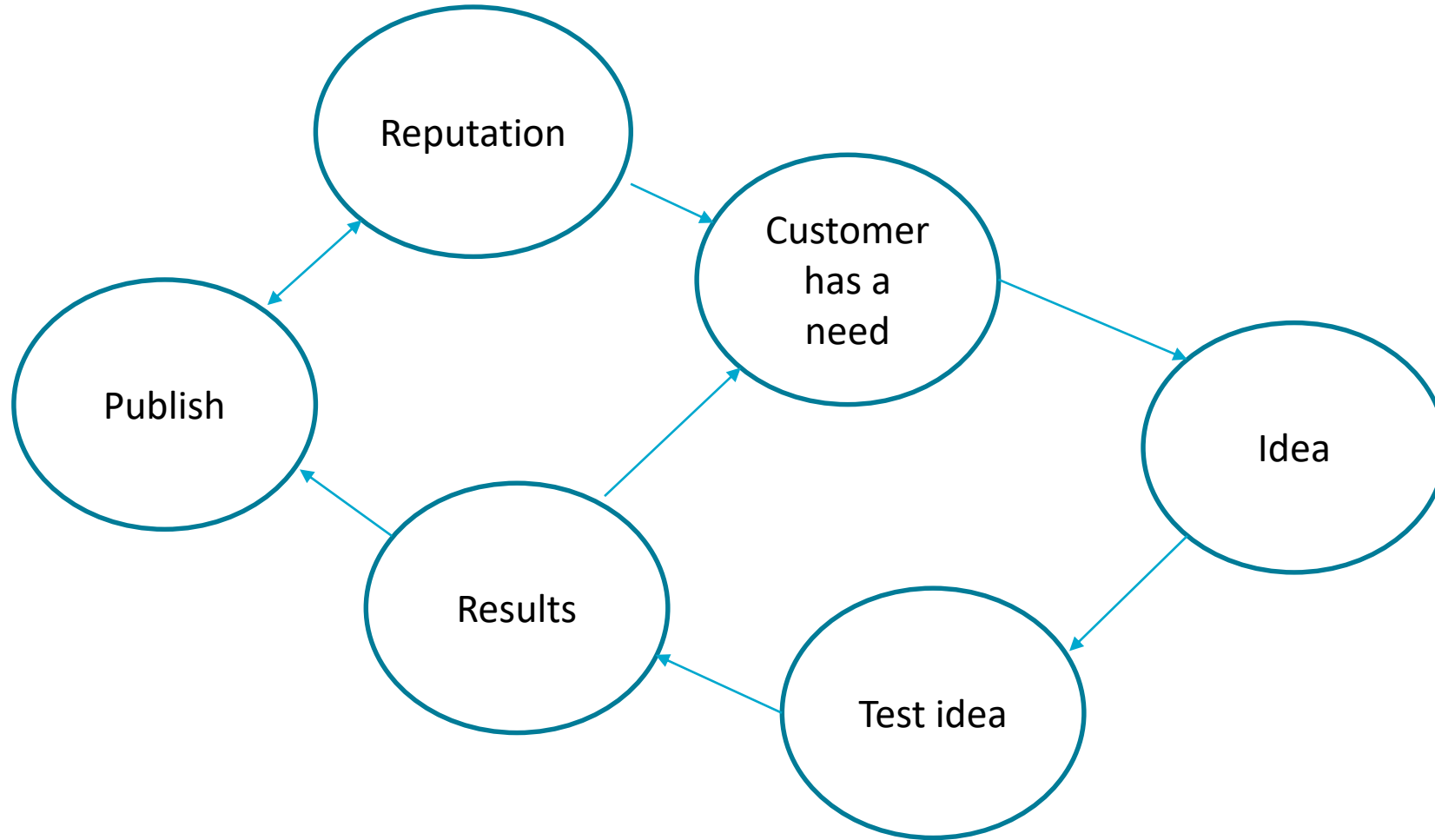
- Low rates of conversion of research outputs to outcomes
- RDC model encourages leverage and co-investment, reducing flexibility for longer-term science
- Commodity focus limits work on “systems”, value chains and environmental sustainability
- Public-private partnerships are under-explored
- IP protection and competition limits spread of innovations
- Purchaser-provider mindset rather than dynamic partnering
- Confusion about leadership roles of government, industry and knowledge institutes
- Narrative framed in terms of research inputs (rather than value and outputs)

Increase the emphasis on innovation

Our current culture

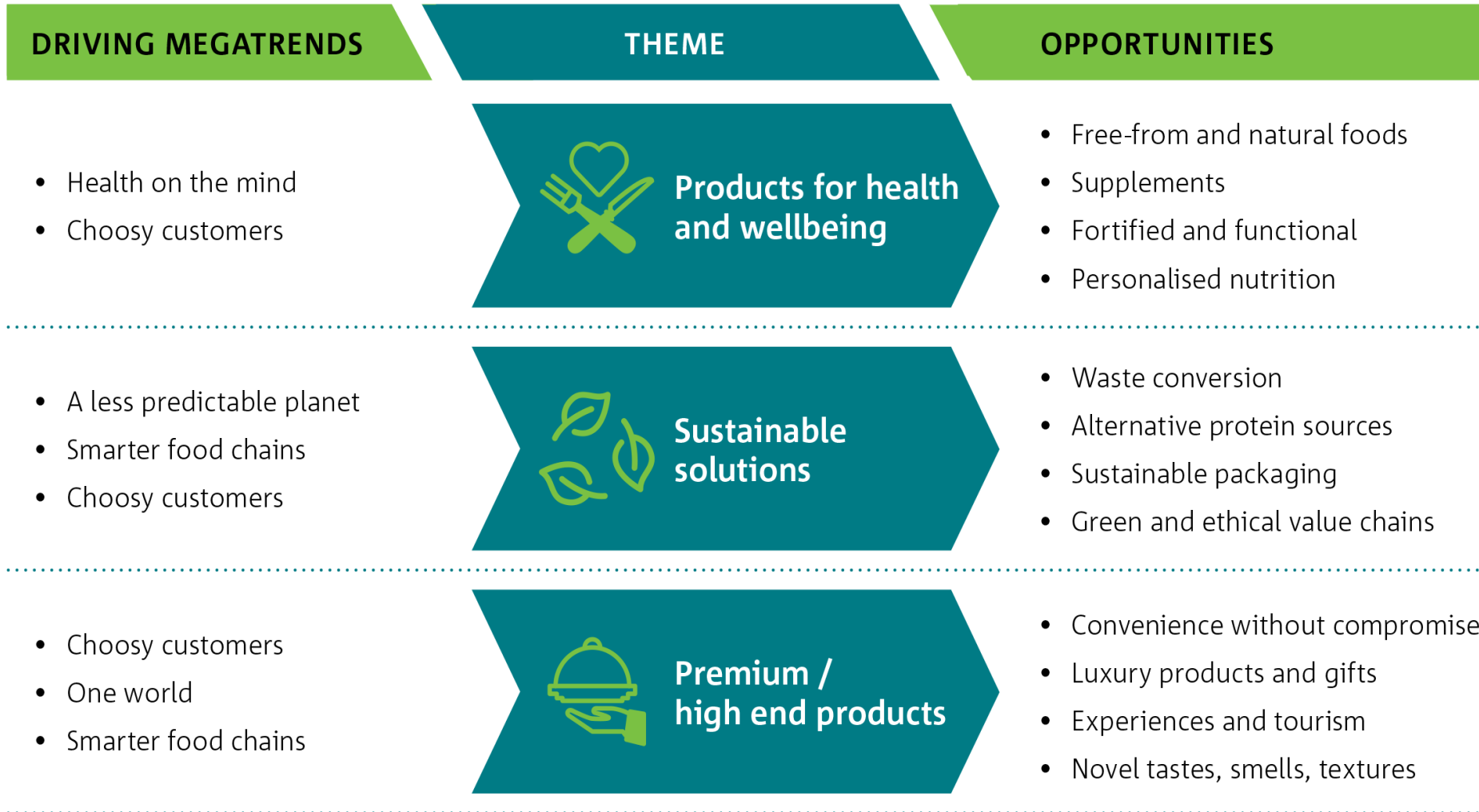


What we aspire to

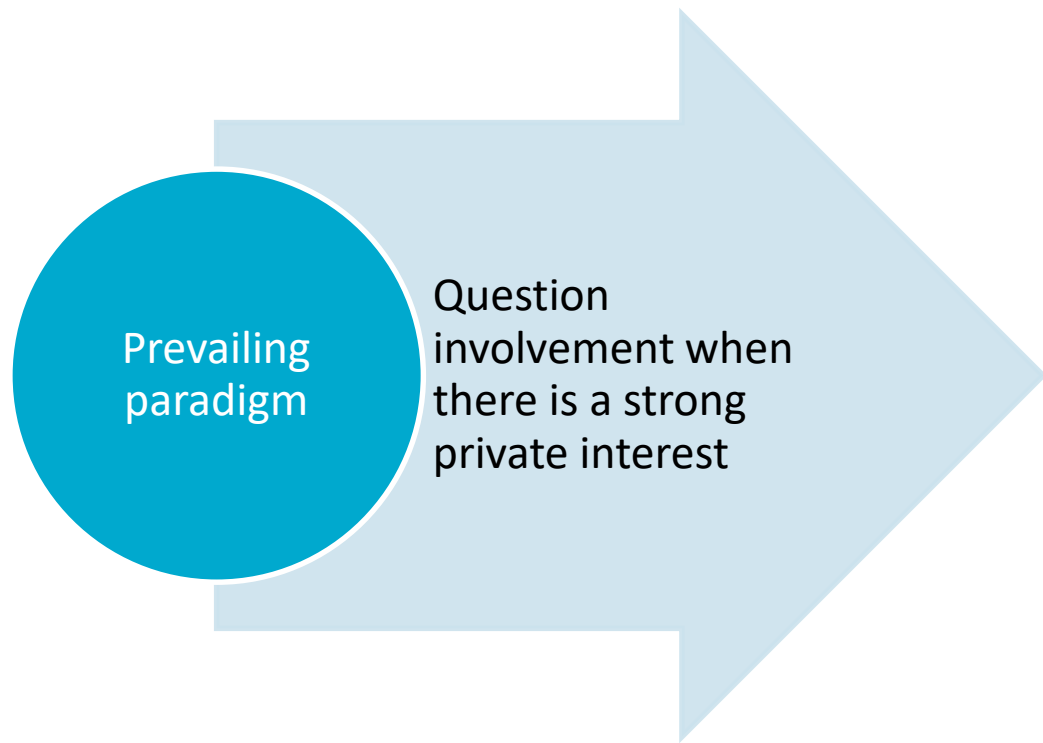


Develop market roadmaps for higher value capture from Australia's major commodity sectors

Opportunities for Australian Agri-food



Recognise and embrace the evolving role for government





Opportunities and challenges as seen from a US venture capital perspective



The majority of investments are early and small value.

Higher value and later-stage seed investments (\$500k-\$1.5M) largely absent.

Australian investor interest high in digital agriculture. Low interest in novel crops, feed, and animal genetics.

Develop a set of national targets and a learning platform for agri-food sector growth and innovation



- How much does Australia spend on agrifood R&D?
- How are funds leveraged through the public and private systems?
- How much has a commodity focus versus cross-system?
- How does the spend match the targets?

 Australian Innovation
System Report
2017

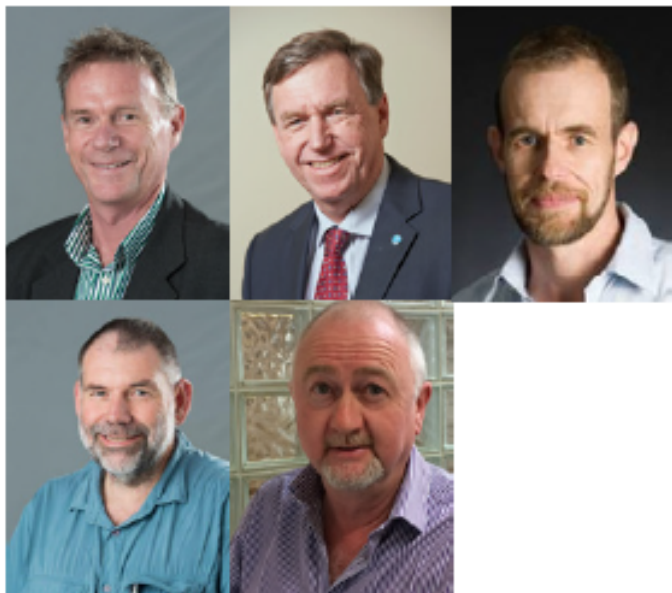
WWW.INDUSTRY.GOV.AU/INNOVATIONREPORT

Recognise and embrace changing modalities for agricultural extension for the 21st century



In conclusion...our vision

- Innovation culture nurtured and rewarded
- Clear targets, roles and priorities informed by comprehensive information
- Partnerships characterised by a focus on creating value, IP sharing, public – private activity
- Increase emphasis on value capture, sustainability, cross-commodity



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CSIRO Agriculture

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