



Vision for a thriving energy and resources innovation ecosystem

July 2020



Innovation Network

“Australia’s largest community of innovators in the resources and energy sector.”

Fast Facts

- Established 2016
- Innovation Hubs in WA & SA
- Australia’s largest community of innovators in the resources and energy sector
- 3000+ members across CORE and ecosystem partner Spacecubed
- 1755 industry training hours
- 12,000+ meetings, huddles & events



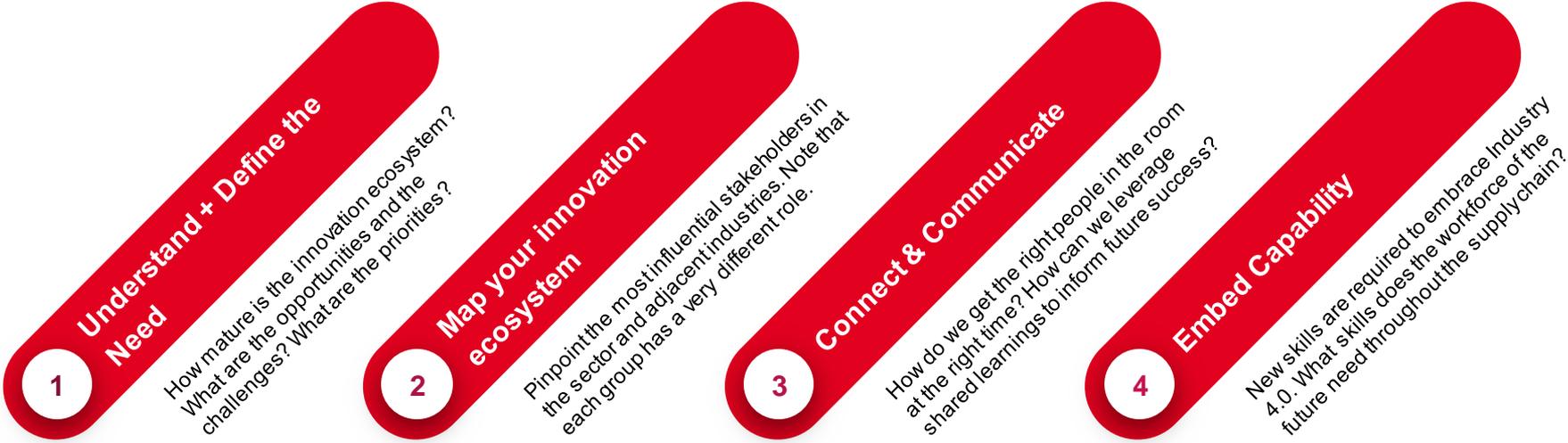
Affiliates



COREHUB.COM.AU



4 Steps to a thriving innovation ecosystem



1 Understand + Define the Need

South Australian Industry Statistics 2018-19





Understand + Define the Need

What sort of innovation are we already seeing?

- Centralised site automation
- Improvements in miner safety gear
- Equipment powered with alternative energy
- 3D mapping technologies & data visualisation
- X-Ray Diffraction
- Rail system automation
- Excavator redesigns
- Mining simulators
- Eco-friendlier ore consumption
- Tunnel borer automation



Understand + Define the Need

What are the emerging areas of innovation?

- Precision mining - extract only ore specific grades from ore deposits
- Decision automation - make optimised production decisions using AI and deep learning applied to digitised mine data
- Mine as a 'digital manufacturing facility'
- Mine autonomy - enable mining vehicles to operate without operators, including drones
- Low emissions - methods to eliminate CO2 emissions
- Advanced processing - create breakthrough methods to recover metals from ores
- In-situ mining - extract metals from ore deposits without excavation

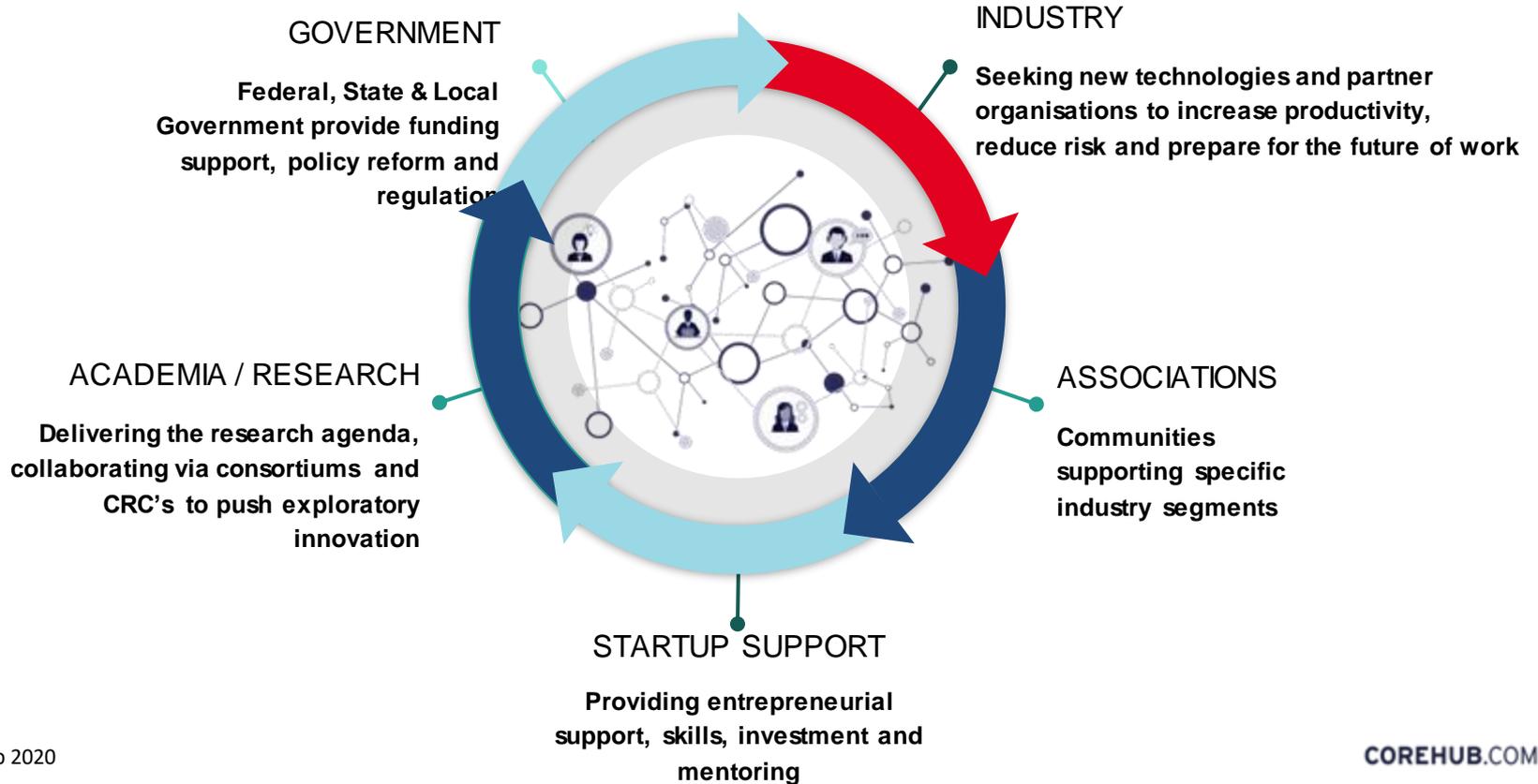


Understand + Define the Need

Key challenges according to recent interviews with the SA resources innovation ecosystem:

- “How can we embed a culture of innovation across our workforce?”
- “How can we prepare for the digital transformation facing the sector?”
- “How can we identify and connect with local technology partners that can provide solutions at scale?”
- “There is no informal network for energy and resources professionals to share collective learnings that we can take back to the business”
- “We’d like to hear more about successful technology trials from those that have been there and done it.”

2 Map your innovation ecosystem







Innovation Hub

- A physical and virtual space, connecting industry with innovators to collaborate with intent



Networking Events

- Regular event calendar
- Lunch N Learn
- 'Meet the Innovator' series



CORE Exchange (DECEMBER)

- A virtual and physical event showcasing promising new technologies and solutions from across Australia



4

Embed Capability

For Innovators



CORE Start

September intake

3 month support program for Founders designed to accelerate your business

- Expert entrepreneurial advisors
- Promotional opportunities
- Industry connections & support
- Use of the Innovation Hub



CORE Sprint

Apply by 26 August

Supporting women who want to launch or grow a new business in resources

- 8 week program
- Build your entrepreneurial capability
- FREE to participate
- Prizes and promotional opportunities



Virtual Coding Party

15 August

Learn to code in a fun female friendly environment, 100% online and FREE

- 4 tutorials: wordpress, HTML/CSS, Python and Django
- Industry mentors to guide you
- All you need is a reliable internet connection and a laptop

Embed Capability



For Enterprise & Individuals



Data Science Aware

1-Day

Introduction to Data Science: Building foundations for a data fit organisation

- Data science literacy
- 50% discount for SA based Job Keeper and Job Seeker applicants
- Suitable for all roles across the org



Leading Data Solutions

1-Day

Designed for senior management with oversight of people, strategy & performance

- Key themes of strategy, culture & innovation
- Expert program facilitators
- Option to pair with the 15 Day program



Data Science Springboard

15-Day

On-the-job learning program for technical resources professionals, one day per week

- Develop your own data science toolkit
- Deliver actionable outcomes on real business challenges
- Think like an intrapreneur

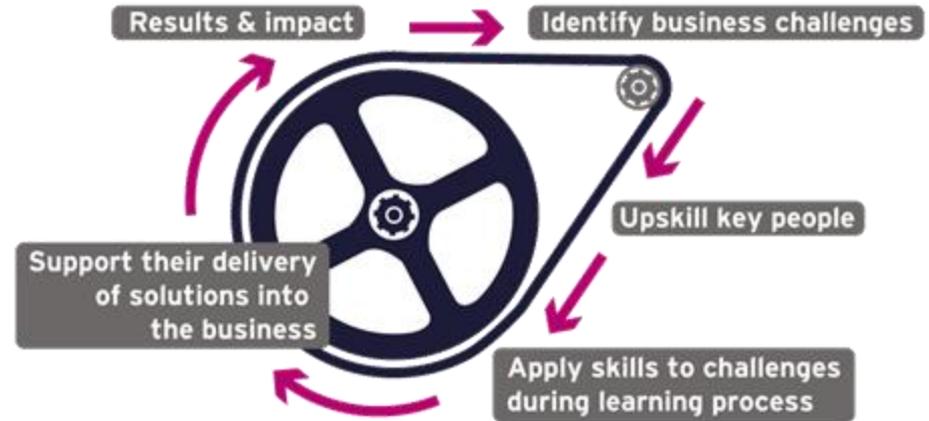
Program partners



Building a “Data Fit” organisation of the future

Combine the **CORE Skills Data Science** programs to maximise organisational returns

- Begin with a 1-day leadership program where business challenges are identified and refined.
- Technical, professional and data centric staff complete the Springboard program, one day per week (cohort of 10-16 staff).
- Skills are applied in real time to your own business challenges throughout the program.
- Delivered by top Educators.
- 3 month post-program review to assess value and impact.



2020 program participants identified \$200M+ in value to the business.



Let's chat



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Thank you :)

More info
www.corehub.com.au



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