Setting the scene

9 Feb 23

PRESENTED BY

Keith Russell
Interim Director Outreach

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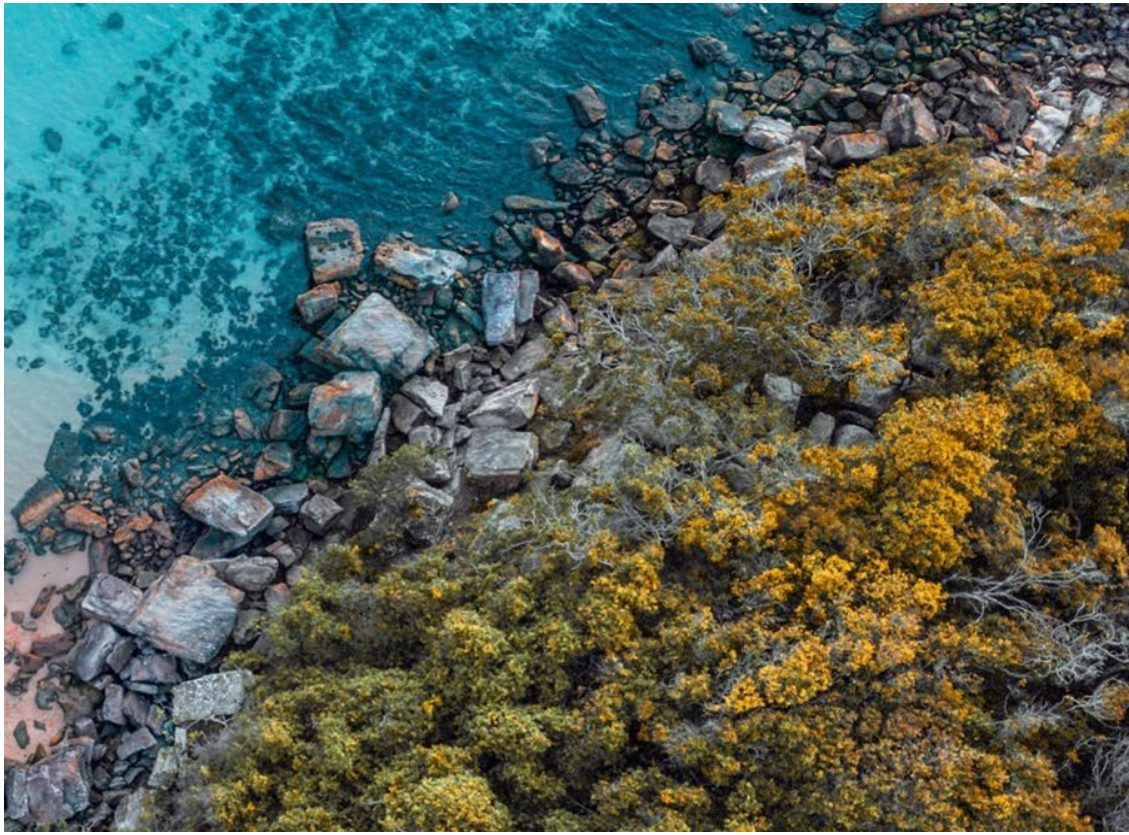
ACKNOWLEDGEMENT OF COUNTRY

We acknowledge and celebrate the First Australians on whose traditional lands we meet, and we pay our respect to their elders past, present and emerging.



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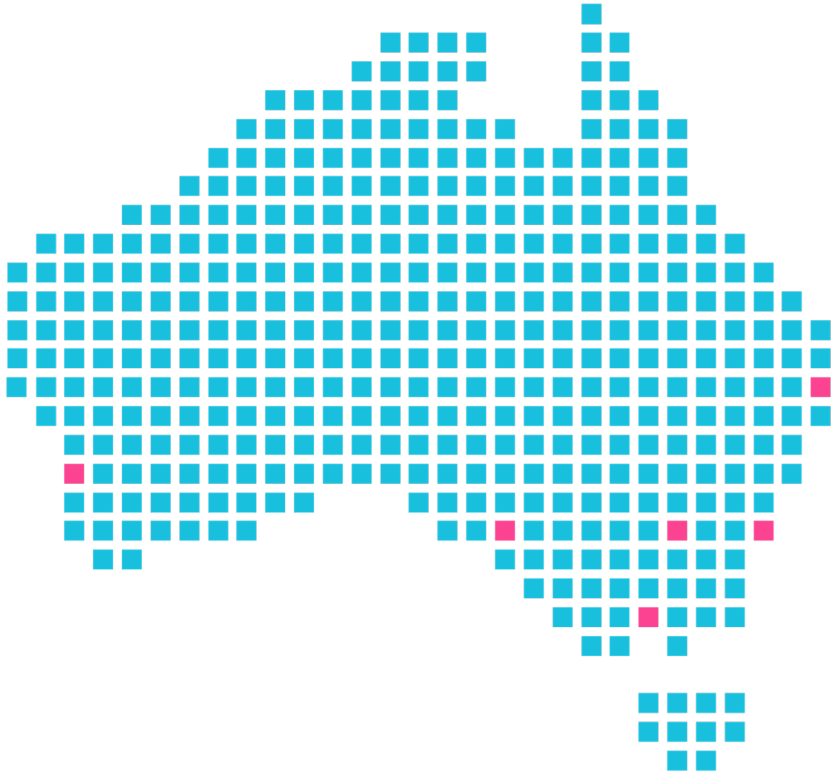
MEMBERS

Australian National University
CSIRO
Curtin University
ECU Edith Cowan University
Federation University
Flinders University
Garvan Institute of Medical Research
Griffith University Queensland, Australia
Macquarie University Sydney · Australia
Monash University
QUT
RMIT University
SAHMRI South Australian Health & Medical Research Institute
Swinburne University of Technology
The University of Adelaide
The University of Melbourne
The University Of Queensland Australia
UNSW Sydney
University of South Australia
The University of Sydney
The University of Western Australia
University of Tasmania
UTS
University of Wollongong Australia



Host institutions

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Supporting
NCRIS Capabilities

Australian Research Data Commons

Purpose

To provide Australian researchers with competitive advantage through data.

Mission

To accelerate research and innovation by driving excellence in the creation, analysis and retention of high-quality data assets.

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WHAT IS A RESEARCH DATA COMMONS?

A research data commons brings together people, skills, data, and related resources such as storage, compute, software, and models to enable researchers to conduct world class data-intensive research.

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SKILLS ARE KEY

Ready, set, upskill: Effective training for the jobs of tomorrow, RMIT Online (2021) - few Australians are ready for the jobs of tomorrow.

- Overall, 87% of jobs in Australia require digital literacy skills.
- Australia will need 156,000 more digital technology workers by 2025, representing one in four jobs created during that period.
- To become a digital leader, Australia would need to double the current growth rate in the training of technology workers – an additional 388,000 technology workers would be needed.
- Building a better understanding of what skills are in demand, and investing in lifelong learning, is crucial to not just our recovery, but our ongoing economic growth.

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… digital and data skills dominate the fastest growing emerging skills and can act as gateway for transitions between jobs.

[State of Australia's Skills 2021: now and into the future]

Digital skills in Australia and internationally, National Skills Commission

Add your project name

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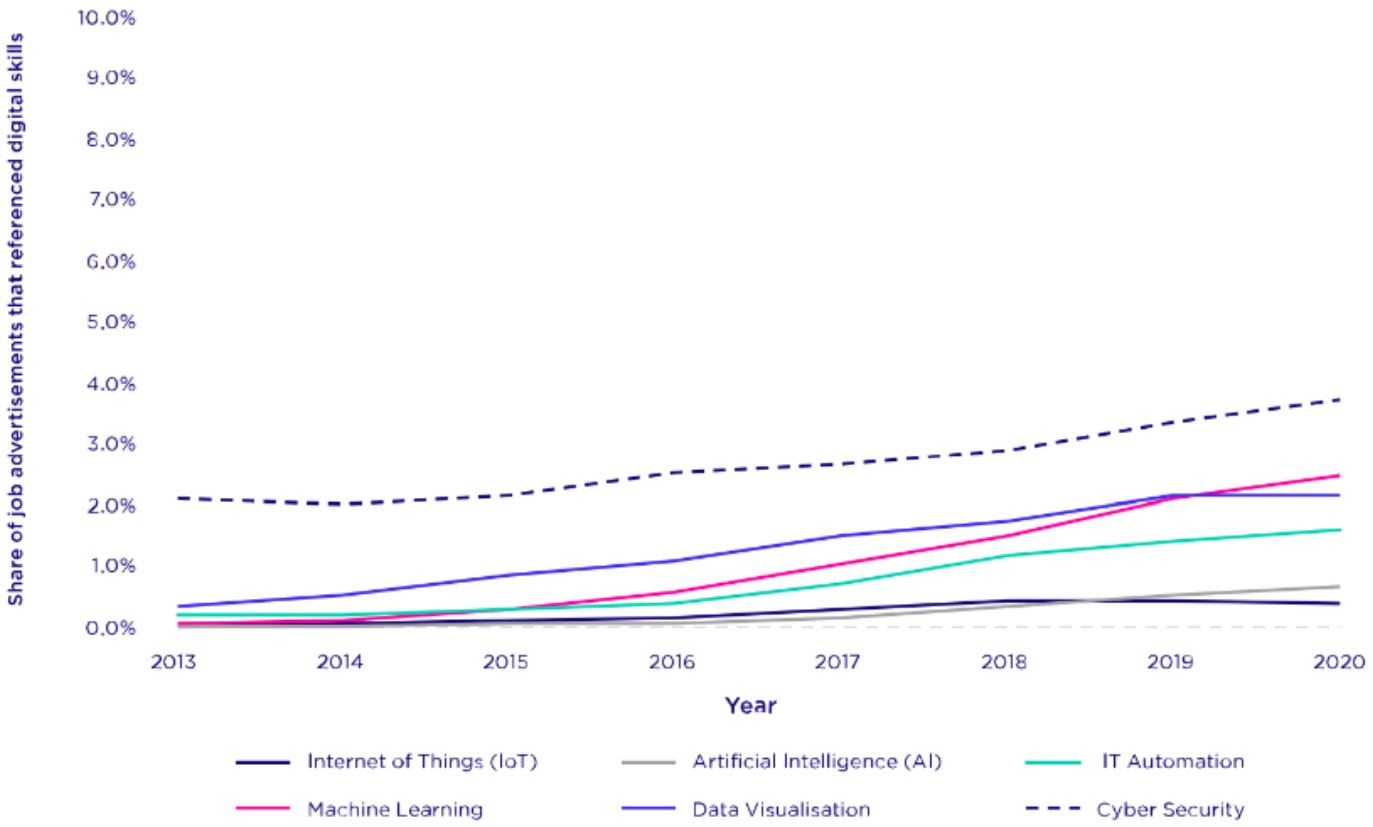
Figure 71: Demand for cutting edge skills in Australia



Sources: Burning Glass Technologies data, 2013 to 2020, NSC analysis

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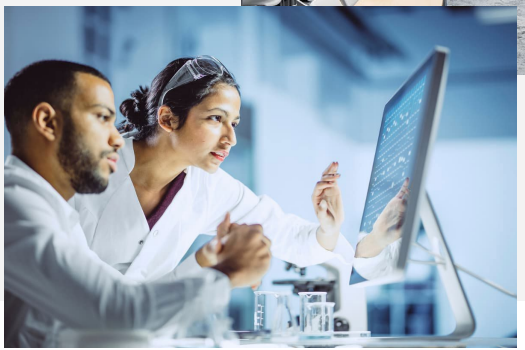
GROWING SKILLS

- Skills will need to be built throughout a person's life
- Need to be addressed across K12, VET, HE, Government and Industry



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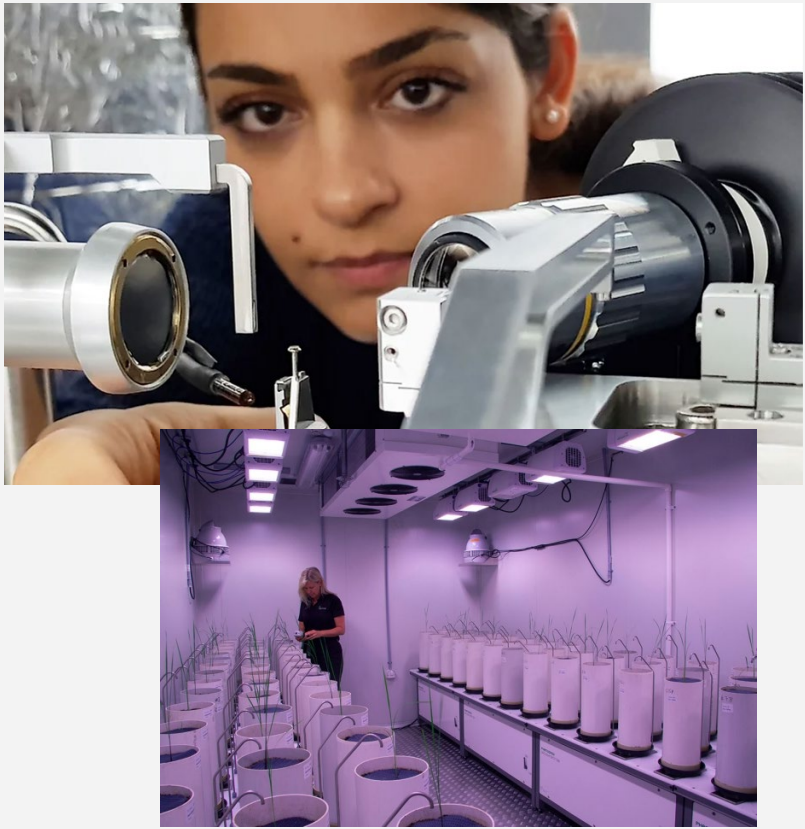
SKILLS FOR USING INFRASTRUCTURE

[2021 National Research Infrastructure Roadmap]

- Researcher training
- Workforce skills and career pathways for research infrastructure staff



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THE ARDC DIGITAL RESEARCH SKILLS AGENDA:

A National Approach

Our approach addresses 5 key areas. Fundamental to all is the Digital Research Capabilities and Skills Framework.

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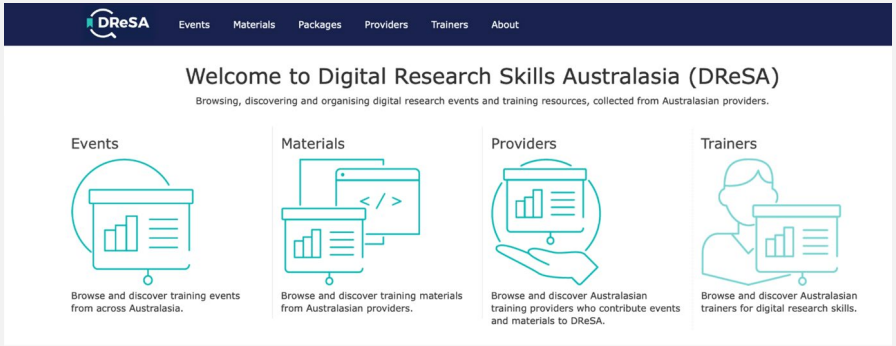
SKILLED RESEARCHER WORKFORCE

THE CARPENTRIES

DReSA



About the ARDC

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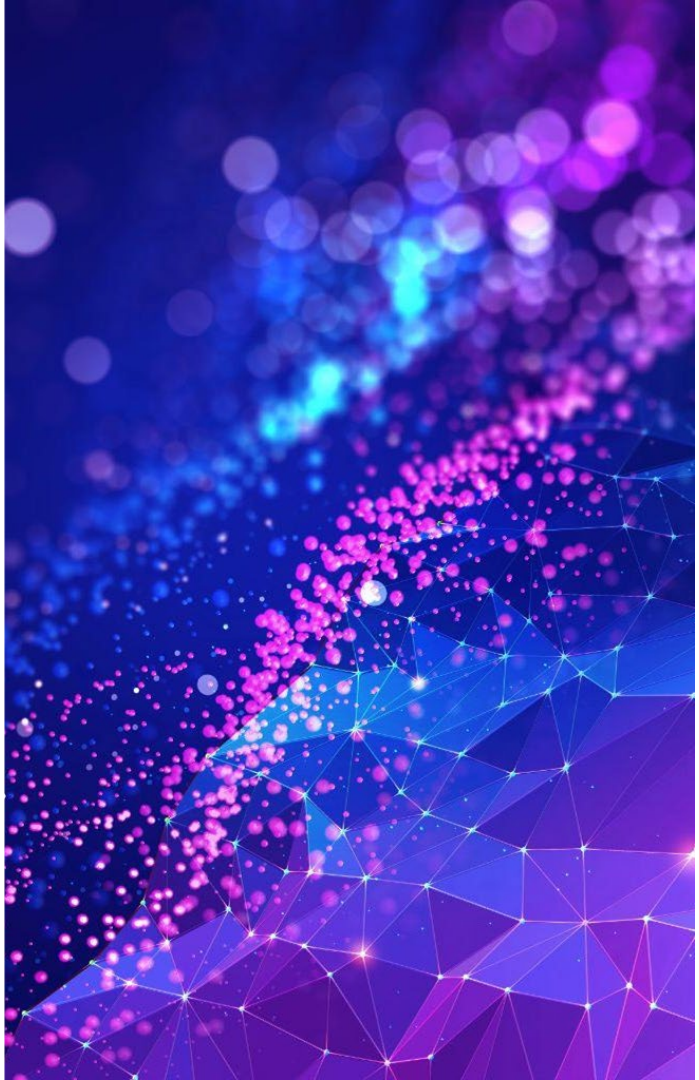

AGENDA

Day 1

- Success factors for training

Day 2

- Guiding national skills policy
- Narrowing the skills gap

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ardc.edu.au

contact@ardc.edu.au

+61 3 9902 0585

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