



Australian Research Data Commons

Where we're at, and where we think there might be opportunities for shared strategies and activities

eResearch New Zealand

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The ARDC story

ANDS, Nectar, RDS



2017 – alignment of activity

2018 – integration into one virtual organisation



2019 – integration into one actual organisation



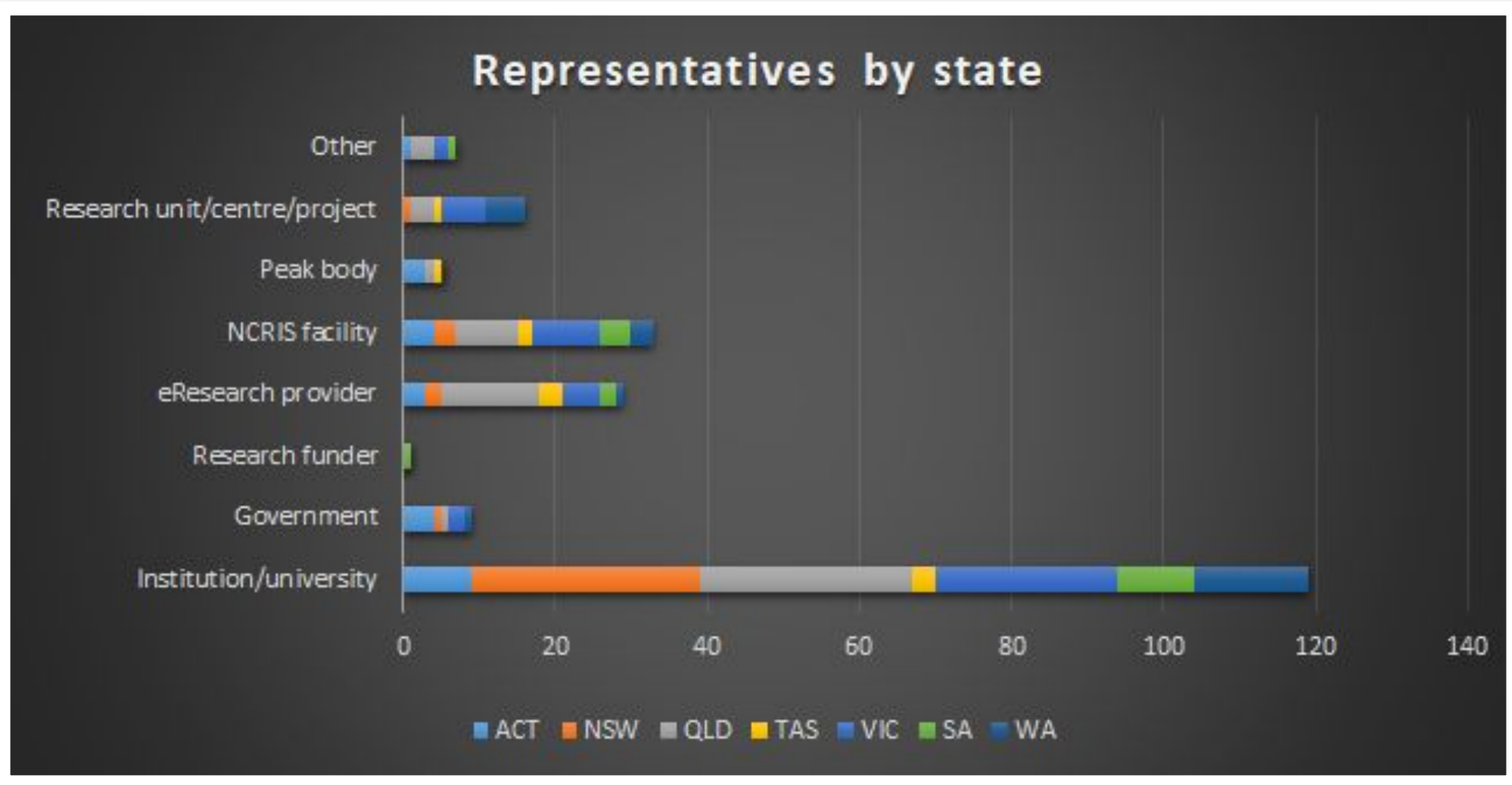
Australian Research Data Commons

Premise we started from:

Deliver an integrated data-intensive infrastructure (incorporating physical infrastructure, policies, data, software, tools and support for researchers)

Promote national coherence (cloud computing, HPC, networks, access, authentication and trusted data repositories, data, collaboration, software, services, & skills)

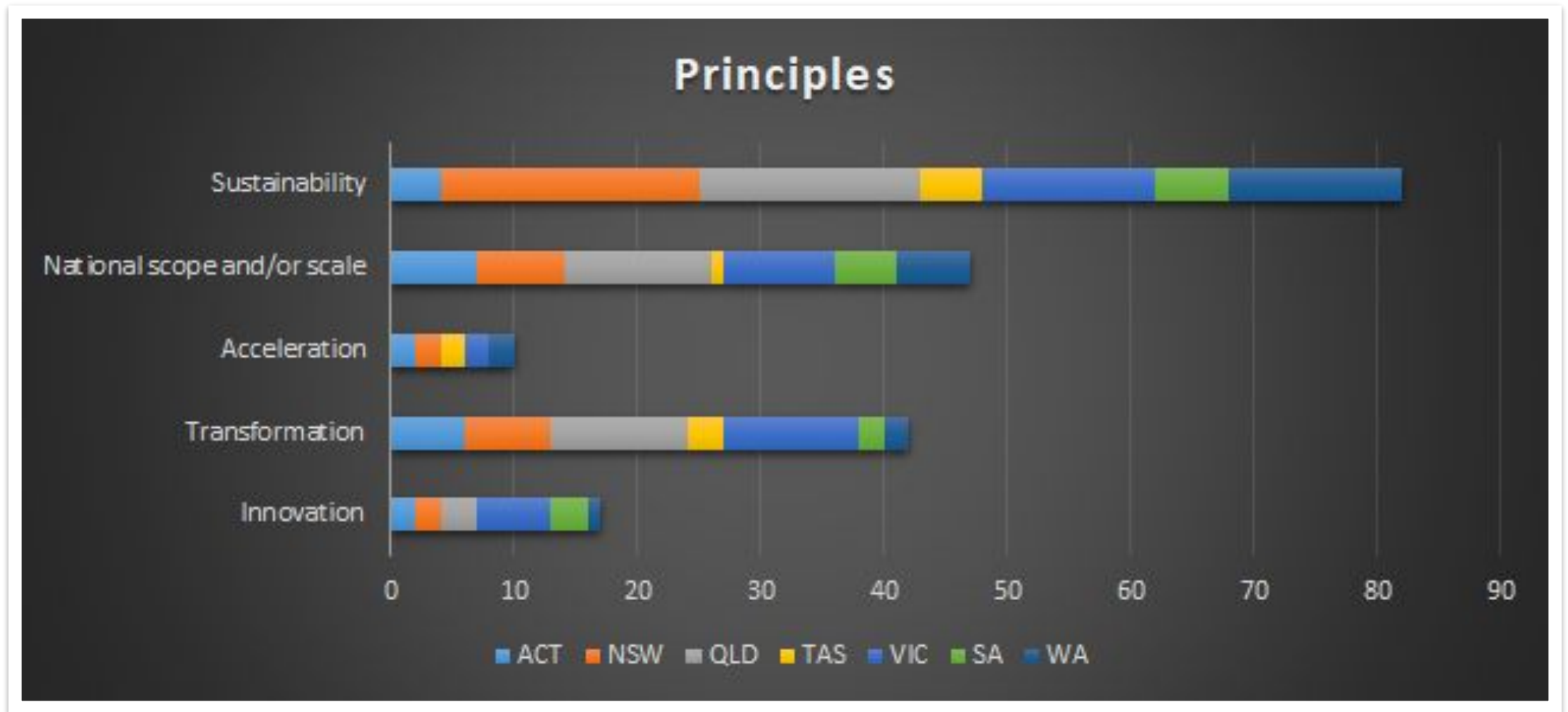
Consultation



Feedback - State engagements



Feedback - State engagements



Changes: themes

Original

- FAIR Data
- FAIR Infrastructure

Modified Platforms

- Skills and Workforce Development
- Building the Commons:
 - Sustainable Data Assets
 - Tools and platforms to work on data
 - Infrastructure to enable tools and platforms
 - People: workforce development, skills, policy, culture, & communities to enable people to use tools and contribute to collections

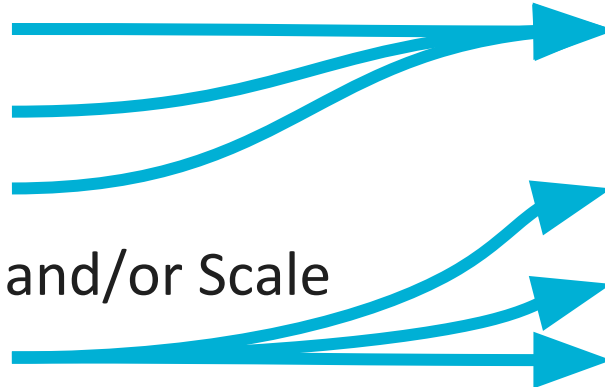
Changes: priorities

Original:

- Innovation
- Transformation
- Acceleration
- National Scope and/or Scale
- Sustainability

Modified:

- Transformation
- National Scope and/or Scale
- Leverage
- Impact
- Responsibility



ARDC \neq *The Australian Research Data Commons*

Together with partners, we will build the commons

The Commons:

Planning and course corrections

- While we don't know all of the answers yet
 - We do know enough to start
 - And know we can draw on many peoples' experiences, suggestions, and input
 - Mini-project activities to identify and address key strategy questions by gathering people together to regularly check on ideas and progress
- Regular theme-based Summit meetings
 - broad spectrum of stakeholders
 - discuss ideas, propose and develop strategies, check on progress
 - aim to align with existing and related meetings

Budget AU\$72m in new capital investment & AU\$110m in "operations" over 5 years

Opportunity: Strategies for Sustainable Data Assets

- Development of *impact & responsibility* frameworks for data
 - Data preservation
- Not all data is the same
 - Data as an infrastructure asset -> *landmark* data collections, what needs to be in place to develop and support them?
 - Emerging Data
 - Data lifecycle

Opportunity:

Tools and platforms to work on data

- world-leading informatics is an international exercise
- Possible priorities for platforms:
 - Workflows for high-quality data
 - Analysis capabilities
 - Data to Modelling
- Our approach:
 - What does a Version 2 Virtual Lab look like?
 - Build on existing VL's
 - Open up for new VL's
 - 2 Open calls over the next 5 years

Opportunity:

Infrastructure to enable tools and platforms

- Models that encourage FAIR data, tools & resources while supporting *infrastructure agility*.
 - impact metrics to be part of the funding/support model over the long term
- Frameworks that identify and reflect who is *responsible* for FAIR assets
 - To support sustainable models
- Foster a constructively competitive underpinning infrastructure environment
- Areas of initial focus:
 - address current priorities (e.g. aging capital)
 - avoid future capital cliffs
 - How to facilitate co-investment in a world with different supply models (eg public cloud)

Opportunity:

Skills to enable people to use tools and contribute to collections

- Workforce Development
- Skills Program
- Policy
- Skills Culture
- Collaborations/Partnerships
 - Communities (bringing together participants)
 - Skills community broker



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Thank you

www.ardc.edu.au