

# Raising the profile of TA in Australia's national science agency

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EARTH SCIENCE AND RESOURCE ENGINEERING www.csiro.au



A feel for the scale

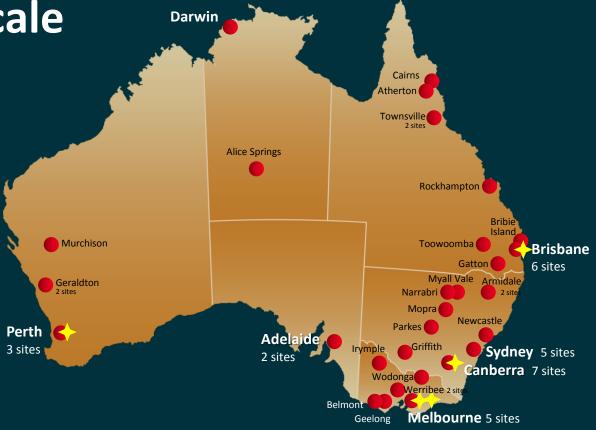
People 6500

Divisions 12

Locations 58

Flagships 11

Budget \$1B+



**Top 1%** of global research institutions in 14 of 22 research fields

**Top 0.1%** in 4 research fields

62% of our people hold university degrees2000 doctorates500 masters

With our university partners, we develop **650** postgraduate research students

Sandy Bay

### CSIRO's purpose...

Is defined through the functions legislated in the Science and Industry Research Act (1949) which are:

- a) to carry out scientific research for any of the following purposes
  - i. assisting Australian industry;
  - ii. furthering the interests of the Australian community;
  - iii. contributing to the achievement of Australian national objectives or the performance of the national and international responsibilities of the Commonwealth;
  - iv. any other purpose determined by the Minister;
- b) to encourage or facilitate the application or utilization of the results of such research.



#### What we do

#### **Our Vision**

Our science is used to make a profound and positive impact for the future of Australia and humanity.

#### **Our Mission**

We deliver innovative solutions for industry, society and the environment through great science.





## Five strategic success pillars

mission directed

# National Flagships

Focus and increase the Organisation's resources invested in delivering profound impact in response to national challenges and opportunities through the National research Flagships program

top %

# Science **Excellence**

Invest in people and infrastructure to maintain and develop national scientific breadth and depth in support of delivering profound impact and scientific preparedness

open for business

# Deep Collaboration

Build deep connections with and among the best partners in Australia and the world to complement our science capability and accelerate impact delivery future building

# Innovation Organisation

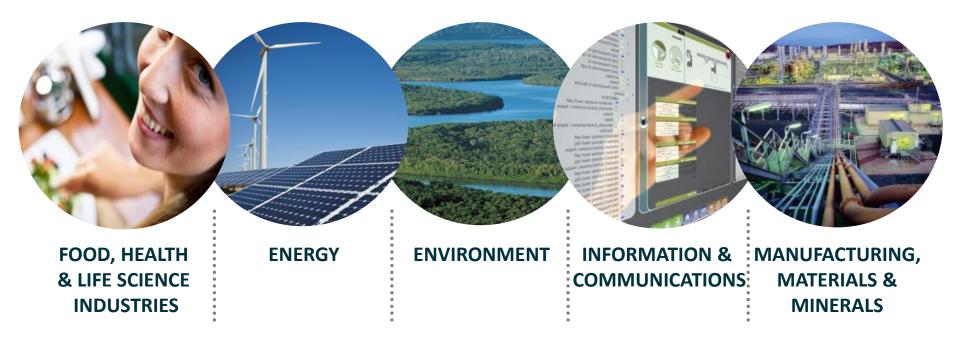
Boost our capacity to operate as one organisation to respond to the changing nature of science, deliver profound impact and build capability for the future no.

# Trusted Advisor

Play a leading role in the trusted delivery of scientific evidence, advice and interpretation to the Australian government, public and industry



#### Five core business units



- 11 National Research Flagships
  - National Research Facilities and Collections

- 12 Research Divisions
  - Transformational
    Capability Platforms



## **National Research Flagships**



**BIOSECURITY** 



**CLIMATE ADAPTATION** 



DIGITAL PRODUCTIVITY AND SERVICES



**ENERGY TRANSFORMED** 



**FOOD FUTURES** 



FUTURE MANUFACTURING



MINERALS DOWN UNDER



PREVENTATIVE HEALTH



SUSTAINABLE AGRICULTURE



WATER FOR A HEALTHY COUNTRY



WEALTH FROM OCEANS



## We are developing technologies: Top 10



1. FAST WLAN
Wireless Local
Area Network



2. POLYMER BANKNOTES



5. AEROGARD



8. BARLEYMAX



3. RELENZA FLU TREATMENT



4. EXTENDED WEAR CONTACTS



6. TOTAL WELLBEING DIET



7. RAFT POLYMERISATION



9. SELF TWISTING YARN



10. SOFTLY WASHING LIQUID



# TA within the CSIRO – a perspective





# To develop the value proposition for a more coordinated approach to STA in CSIRO (and for Australia more broadly)

- What would it look like?
- How does it fit within Australia's innovation strategy?
- Who would be involved?
- What are the roles and responsibilities for each?
- How can we capitalise on the experiences of international TA organisations?



## **Early findings from interviews**

- TA and even pTA exists but not always recognised as such
- Lacks coordination as an organisational capability
- Investment is there even though many don't know it
- An interest is developing through trusted advisor pillar



### **Issues arising**

- How research is prioritised
- Different approaches required and being applied across the spectrum of technology development
- Mixed feelings on participation and the impact it can have
- Currently various routes to policy much of it based on relationship
- How to maximise impact



# Thank you! Your input kindly welcomed

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