



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 degrees

2000 doctorates

500 masters

With our university partners, we develop

650 postgraduate research students

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 **1** %

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. **1**

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



**FOOD, HEALTH
& LIFE SCIENCE
INDUSTRIES**



ENERGY



ENVIRONMENT



**INFORMATION &
COMMUNICATIONS**



**MANUFACTURING,
MATERIALS &
MINERALS**

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



3. RELENZA FLU TREATMENT



4. EXTENDED WEAR CONTACTS



5. AEROGARD



6. TOTAL WELLBEING DIET



7. RAFT POLYMERISATION



8. BARLEYMAX



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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