

Delivering Innovation and Science Excellence

CSIRO relies on excellent science to deliver impact to industry, society and the environment. Each year CSIRO conducts a 'science health check' and the most recent results are available in the 'CSIRO Science Health and Excellence Report 2014-15'.

The performance of the organisation's research outputs continues to be very strong, both domestically and internationally. Highlights from the 2014-15 assessment include:

CSIRO plays a crucial role in the Australian Innovation System

- CSIRO is a major contributor to Australian research in some key research fields, including Agriculture Sciences, Environment/Ecology, Geosciences, Plant & Animal Science, Space Sciences, Materials Sciences and Chemistry.
- Intellectual property (IP) is an indicator of potential translation of research to industry and CSIRO is a key producer to Australian IP.
- CSIRO is the largest Australian producer of research relevant to Australia's Strategic Priorities (SRPs). Within the individual SRPs, CSIRO is the largest source of output in four (Food, Soil & Water, Resources and Environmental Change) and a substantial source of output in a further two (Energy and Advanced Manufacturing).
- CSIRO plays a key role in providing research relevant to the Australian Industry Growth Centres. CSIRO is the largest producer of research publications in three centres (Food & Agribusiness; Mining Equipment, Technology & Services; Oil & Gas) and the fourth largest producer in a further one (Advanced Manufacturing).

CSIRO's research outputs have high national and international standing

- CSIRO is the largest filer of provisional patents in Australia and holds the most complete applications among leading Australian Universities.

- Internationally, CSIRO was ranked the 25th largest PCT patent application filer amongst government and research institutes worldwide in 2014.
- CSIRO licenses one third of all its IP assets to about 290 different entities, both local and international, resulting in over 300 unique licenses.
- CSIRO's publication performance continues to be strong, as assessed by a range of indicators. CSIRO articles are 48% more cited than the global average and the level of CSIRO publications in the top 1% of most cited is nearly three times higher than average.
- CSIRO is one of the very best Australian research institutes. CSIRO's research publications are of a similar high standard in science excellence to those from leading Australian Universities.

CSIRO collaborates with Australian and international partners

- On a national basis, CSIRO's collaboration level is 61% with the Group of Eight Universities being the most dominant domestic collaborators.
- CSIRO's international collaboration level is 52%, with the USA being the most frequent international collaborator, followed by China.
- Twenty-eight percent of CSIRO's patent families are co-owned with another party. The majority of partners are international companies, followed by Australian Government bodies.

Other topics examined in the report include CSIRO's research staffing and resourcing, domestic and international collaborators, comparison of CSIRO's publication and intellectual property performance to other government research agencies and Australian universities and detailed analyses of CSIRO's patents and publications.

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AT CSIRO WE SHAPE THE FUTURE

We do this by using science to solve real issues. Our research makes a difference to industry, people and the planet.

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