Australian Government
Office of the Chief Scientist

Activity report of Australia's Chief Scientist 2021–2024

Dr Cathy Foley

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The purpose of this publication is to provide an overview of the activities of Dr Cathy Foley as Australia's Chief Scientist 2021–2024.

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Foreword

Across my 4-year term I have sought to elevate the voice of Indigenous people and raise the profile of Aboriginal and Torres Strait Islander knowledge systems through my work. It is in this spirit, that I pay my respects to the traditional owners of the land I write from, the Ngunnawal and Ngambri peoples.

When I began my term as Australia's Chief Scientist in 2021, we were in the midst of the Covid pandemic, there was no commitment to zero emissions by 2050, and neither Quantum nor AI were in the public eye. Four years later much has changed! We now live in a world where generative AI is a common workplace tool, where we are manufacturing a COVID vaccine right here in Australia, Australia now has a target in law to achieve 43% emissions reduction by 2030 with 85% of our energy grid based on renewables and quantum and AI are regularly front-page news stories.

Since 2021 I have provided evidence-based advice to Government through my work supporting numerous committees and boards for different Ministers and departments. I have worked to make our research sector more efficient, impactful and diverse, and I have championed our domestic STEM-related industries both at home and abroad. Looking back at my term, I'm proud to have delivered large projects which have the potential to deliver real benefits to Australia.

Across my term I worked to elevate Australia's standing in quantum. I brought government, academia and researchers together to create innovative, quantum-based solutions to seemingly intractable problems. In taking advantage of the opportunity that quantum technologies offer and Australia's critical mass of world-leading quantum research, we've seen the start of a whole new industry for Australia. There is still more work to be done to capitalise on Australia's opportunity in quantum technologies and we need to make the most of the UN's 2025 International Year of Quantum Science and Technology.

I provided evidence-based advice to government on the nation's ability to provide free and open access to research literature. I will continue to advocate for open access; having everyone with an Australian IP address able to access research literature would be a game changer for the country.

As Australia's Chief Scientist I have strived to link up the science and research system with government and industry. As part of this I led the national conversation on behalf of the Australian Government that shaped the revitalised National Science and Research Priorities. I did this via in-depth and rewarding round-table discussions with over 700 Australians young and old, from all walks of life. These priorities focus on identifying what science and research capabilities Australia needs, which includes elevating the 65,000 years of Aboriginal and Torres Strait Islanders knowledge and knowledge systems.

It has been my privilege to meet with people around Australia, and work to highlight challenges and opportunities for supporting diversity in STEM careers. This included establishing the Government Science Group (GSG)that identified that over 20,000 people have STEM based careers in government, creating a community to highlight and optimise the government's use of STEM in policy government and delivery of services. One activity this group facilitated was the inaugural GSG STEM Expo during National Science Week in 2024 which was a huge success and shone a light on the many STEM career opportunities in government. It's exciting to see that young people understand that STEM jobs are so much more diverse than just becoming research professors in universities. They offer great variety and it's important that we have people from all walks of life working in STEM. If we want to realise our full human potential as a nation, young people must be able to see themselves in these roles, so they can bring their potential and talent to help us gain that competitive advantage and allow everyone to benefit from the good things on the horizon.

It has been a pleasure for me to celebrate Australia's great scientists, innovators and STEM teachers each year through my role chairing the Prime Minister's Prizes for Science. At the Award Ceremony in 2024, I was delighted that the Prime Minister announced the introduction of a Prime Minister's prize for Aboriginal and Torres Strait Islander Knowledge Systems from 2025. I was deeply touched that both the Prime Minister and Minister Husic acknowledged my contributions as Australia's Chief Scientist at this event.

I have loved every moment of my time in this role. I would like to extend my thanks to everyone whose contributions have enriched my work and the advice that I've provided to the Australian Government. I would also like to thank the Department of Industry, Science and Resources and my Office for their support during my appointment. I also wish to acknowledge and thank the people who have worked in the Office of the Chief Scientist over my term. Their support was critical to any of my achievements during my term.

In ending, I express my gratitude to all the Ministers across government I have had the privilege of serving during my time in this role, but particularly to the Hon Ed Husic MP. Being Australia's Chief Scientist has been a great honour and a once in a lifetime opportunity to support successive government's ambitious agenda for science.

Dr Cathy P. Foley AO PMS FAAS FTSE FAIP (Hon) FInstPhys
Australia's Chief Scientist, 2021 to 2024

Overview of activities

As Australia's Chief Scientist from 2021 to 2024, Dr Foley delivered on the expectations of the Australian Government by:

- Providing independent evidence-based advice to government
- Championing Australian science here and overseas, and
- Supporting the research system to be as effective, efficient and impactful as possible.

Throughout her 4-year term Dr Foley provided independent science advice directly to the Australian Government and commissioned a range of scientific reports. Many of these were delivered through her role as Executive Officer to the Prime Minister's National Science and Technology Council (NSTC). This included 5 published reports on STEM skills and the space industry, generative AI, STEM career pathways, the circular economy and indoor air quality. Reports on misinformation and research infrastructure are underway. Other reports were developed by the NSTC at the request of the Government but have not been published.

Dr Foley convened the Forum of Australian Chief Scientists (FACS) to provide an avenue to share information about challenges of national importance related to science, technology and innovation. This was an important mechanism to provide consolidated advice and information directly from the states and territories to policy makers and government.

In 2021 Dr Foley also established the Government Scientist's Group (GSG) to build awareness of shared contributions to the national science agenda and to coordinate across agencies for better impact.

Through NSTC, FACS and GSG, Dr Foley built stronger connections and efficiencies across Australia's science system and leveraged significant opportunities to advance the implementation of the National Science and Research Priorities.

In addition to these roles, Dr Foley has made significant contributions across government portfolios through the membership of advisory bodies. A full list of her appointments is at **Appendix A: Committee and board appointments**, and include:

- Critical Technologies Science Node (as Chair)
- Industry, Innovation and Science Australia Board (as Deputy Chair)
- COVID-19 Vaccines and Treatments for Australia – Science and Industry Technical Advisory Group
- Climate Change Authority Board
- National Research Infrastructure Advisory Group
- Universities Accord Ministerial Reference Group.

Throughout her term Dr Foley engaged with and delivered advice across a wide range of the science and research sectors. The full list of published advice can be found in **Appendix B: Published publications**. Notable inclusions are the delivery of advice to government on models for open access to research literature, a report on changes to researcher assessment in support of intersectoral mobility and research workforce diversity and a position paper on Trust in Science. Dr Foley also provided quality assurance and oversight for the 2022 Scientific Consensus Statement on Land-Based Impacts on Great Barrier Reef Water Quality and Ecosystem Condition. Dr Foley provided other advice to government that is unpublished.

Throughout her tenure, Dr Foley supported the Australian Science Policy Fellowship Program, which was an initiative of former Chief Scientist Dr Alan Finkel. The program is designed to increase mobility between

sectors by providing early-to-mid career scientists an opportunity to work in policy roles within the Australian Public Service (APS). Mobility between sectors is a known barrier for the STEM workforce as identified in the STEM Career Pathways report. Moving outside of academia can be challenging as current research metrics influence how the STEM workforce is evaluated by other sectors.

As Chair of the Science Committee, Dr Foley's role in the Prime Minister's Prizes for Science across her term was substantial. Dr Foley played a critical role in providing advice on the development of the new Primes Minister's Prize for Aboriginal and Torres Strait Islander Knowledge Systems. Her substantial contributions as Australia's Chief Scientist were acknowledged by the Prime Minister and Minister Husic at the awards ceremony in late 2024.

Dr Foley led the national conversation to inform the development of the National Science and Research Priorities and helped to elevate recognition of First Nations knowledge systems. She played a crucial role in the development of Australia's National Quantum Strategy and ran a series of workshops that brought quantum and industry leaders together to explore how quantum technologies could add value to their businesses and the Australian economy. Internationally Dr Foley elevated the profile of Australia's research and engaged with international counterparts on critical technologies and quantum, including as co-Chair of the QUIN Quantum Centre of Excellence. Dr Foley delivered an excellent speech at the Quantum World Congress. Dr Foley spoke at over 300 events throughout her term and a full list of Dr Foley's published speeches is at **Appendix C: Published speeches**. Recognising her contributions and experience the Government has appointed Dr Foley to the board of the CSIRO for a 3-year term, to commence in 2025 following the end of her tenure as Australia's Chief Scientist on 31 December 2024.

Highlights

National Science and Technology Council

Dr Foley served as Executive Officer to the Prime Minister's National Science and Technology Council to provide independent evidence-based scientific advice to Government. As the preeminent forum for providing scientific and technological advice for government policy and priorities, Dr Foley's contributions in steering this forum were critical. In response to a request from the Minister for Science, Dr Foley postured the Council to provide proactive advice to government through an annual process of horizon scanning.

The Council met 11 times during her term providing a forum to increase understanding and awareness across government of key science issues. The Council was used as a vehicle for topical and timely discussions. For example, in 2023 use of batteries for the energy transition and Australia's opportunity to develop a domestic battery industry based on Australian research were discussed with the Prime Minister, Minister Husic and 2 expert guests in attendance.

During her term the NSTC published 5 reports on STEM skills and the space industry, generative AI, STEM career pathways, the circular economy and indoor air quality. Additional reports were commissioned and delivered to Government but not published. Each report was accompanied by advice from the NSTC to Government. The first sections of reports on misinformation and research infrastructure are complete and the reports will be finalised in 2025. Published reports were:

- Indoor air quality impact on viral transmission
- Australia's comparative and competitive advantages in transitioning to a circular economy
- STEM Career Pathways report
- Rapid Response Information Report: Generative AI
- 2021 Rapid report – Space industry and the STEM workforce.

Image 1. National Science and Technology Council Meeting.

Government Scientists Group

Dr Foley established the Government Scientists Group (the GSG) in 2021 to build awareness of shared contributions to the national science agenda and to coordinate across commonwealth government agencies and departments for better impact. Over Dr Foley's tenure, the GSG has grown from 16 to 32 members and has been a valuable avenue for information sharing and collaboration across agencies.

The work of the GSG agencies was presented to Members of Parliament through a Parliamentary Friends of Science event at Australian Parliament House in March 2024. This event was warmly received and inspired a subsequent careers expo that showcased GSG work to the wider public.

The GSG STEM Expo was held during National Science Week on 15 August 2024, in the Great Hall of Australian Parliament House. Twenty-five GSG members participated in the Expo through booths and presentations. The event aimed to increase awareness of STEM activities within government, increase young people's awareness of STEM career pathway opportunities and encourage general engagement with government careers in STEM. More than 1,500 people attended the Expo, which was supported by more than 200 staff from across the GSG. The GSG STEM Expo was highly successful, with fantastic feedback from the GSG exhibitors, attendees and VIPs.

Image 2: Staff from the Office of the Chief Scientist and the GSG Agencies at the GSG STEM Expo.

Forum of Australian Chief Scientists

Dr Foley convened the Forum of Australian Chief Scientists (FACS) to provide an avenue to share information about common issues and challenges related to science, technology and innovation that are of national importance. This Forum brings together the chief science advisors of all the states and territories with New Zealand's Chief Scientist as an observer. Through these meetings, the forum shared information and provided input to national discussions including on artificial intelligence, biotechnology, innovation precincts, implementation of the National Science and Research Priorities, Strategic Examination of R&D, research infrastructure, misinformation, water quality and the role of museums in the science sector. In 2024 FACS members wrote collectively to the Prime Minister, Premiers and Chief Ministers to emphasise the importance of research in science and technology for future prosperity and wellbeing.

There has been a high level of demand from policy areas across Australian government portfolios to use the forum to facilitate dialogue and collate information about state and territory activities relevant to nationally significant science and research issues. For example, FACS rapidly collated jurisdictional data required to inform policy development on the National Battery Strategy and on research translation hubs.

Image 3: The Forum of Australian Chief Scientists.

National Science and Research Priorities

Dr Foley led the National Conversation on behalf of the government. Dr Foley's roundtable discussions with over 700 Australians informed the development of Australia's National Science and Research Priorities and Science Statement.

The government released the National Science and Research Priorities and National Science Statement on 12 August 2024.

The priorities are:

- transitioning to a net zero future
- supporting healthy and thriving communities
- elevating Aboriginal and Torres Strait Islanders knowledge systems
- protecting and restoring Australia's environment
- building a secure and resilient nation.

The priorities provide a focus for shared national effort across the science and research system, industry and the government. They support the National Science Statement and will provide focal points for shared national effort in research on solving Australia's greatest challenges.

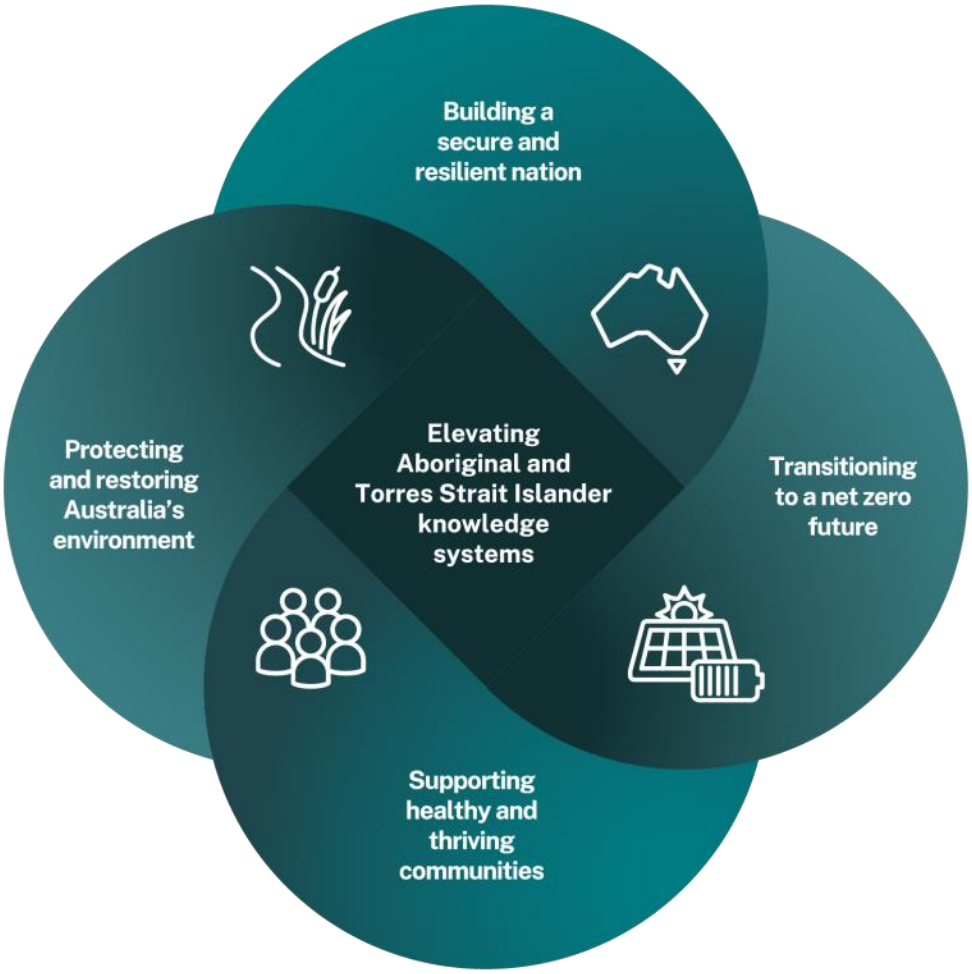

Image 4: The overlapping nature of the National Science and Research Priorities.
The full paper outlining the National Science and Research Priorities is available on the Department of Industry, Science and Resources website.

Quantum

Dr Foley has supported the growth of Australia's quantum sector throughout her term as Chief Scientist. Dr Foley led the development of Australia's first National Quantum Strategy, released on 3 May 2023. Her role included:

- leading consultation for the strategy
- chairing the National Quantum Advisory Committee
- providing ongoing advice to the Department of Industry, Science and Resources.

Dr Foley also worked to champion Australia's quantum science and technology internationally. She built strong relationships with global quantum leaders and played a key role in showcasing Australia's quantum excellence at the 2022 and 2023 Quantum World Congresses held in the US. In 2024 she was announced as the winner of the Quantum World Congress's inaugural Government Pioneer in Quantum award which she attended and spoke at virtually.

Also internationally, Dr Foley was the co-chair of the Quad Investors Network's Centre of Excellence in Quantum Information Sciences. As part of this role, she led a taskforce which contributed to the Centre of Excellence's report *Quantum Science & Technology in the QUAD Nations: Landscape and Opportunities*.

Following the release of the National Quantum Strategy, Dr Foley continued to work closely with the Department to support its implementation.

Dr Foley also provided technical advice to government about PsiQuantum's proposal to build a fault tolerant quantum computer in Australia.

Throughout 2023 and 2024, Dr Foley held a series of 9 flagship 'Quantum Meets' workshops where she brought quantum experts together with different sectors of the economy to – in her words – 'make a little magic'. Together, attendees workshopped what quantum technologies mean for specific applications in the real world. The events explored quantum opportunities in:

- sport
- resources
- space
- energy
- public service
- finance
- health
- logistics
- communications.

The Quantum Meets workshops have been pivotal in bringing industry and quantum leaders together and galvanising industry around a set of technologies that will transform capability in the coming years.

Image 5: Panel 2 discussion at the Quantum Meets Public Service workshop.

Image 6: A panel discussion at the Quantum Australia conference.

Open access

Open access to academic literature has many potential benefits for Australia. In 2023, Dr Foley provided advice to Government, *Advice on open access models: Unlocking knowledge for national benefit*, that examined existing models for open access and proposed a new model for Australia – a 'public access' model – in recognition of the benefits of broader access to research literature beyond academia.

As outlined in the advice, the public access model would involve national agreements negotiated between a central body and publishers to provide:

- access for all of Australia to the publishers' full catalogues (including internationally authored journal articles and the back catalogues), and
- open access publishing of all Australian-led journal articles so that they are free to access globally.

The public access model would increase diffusion of new knowledge and best practice across the community. It would:

- help encourage business investment in R&D and an uptick in innovation and productivity
- help ensure that policy making, and service delivery is informed by the latest evidence
- uplift professional practice – in the health education and other industries – to be informed by the latest evidence
- help foster a culture of lifelong learning and public engagement with science and research, supporting an agile workforce and democratic resilience
- provide equity of access to journal articles and open access publishing within the Australian research sector.

Dr Foley's advice was informed by analysis from 3 commissioned reports and consultation with more than 80 stakeholder organisations across the science and research sector, publishing industry, government, industry, the not-for-profit sector and open access advocacy groups.

Dr Foley published her advice in 2024 and held a webinar attracting over 500 attendees. At the request of Minister Husic, in December 2024 Dr Foley provided additional advice on open access implementation approaches and her public access proposal, to the Strategic Examination on R&D Independent Panel for their consideration.

Research metrics and trust in science

Throughout her tenure, Dr Foley undertook a significant body of work to improve how researchers and research are assessed in Australia to:

- increase mobility of researchers between academia, government and the private sector, and
- better support recognition, recruitment and promotion of a diverse research workforce.

Such changes could contribute significantly to enhance opportunities for cross-sectoral knowledge sharing and increase innovation in Australia's research.

In the first stage of this work, the Office of the Chief Scientist commissioned the Australian Council of Learned Academies (ACOLA) to undertake a review of how research assessment practices affect research culture and the careers of Australian researchers. The resulting report, *Research Assessment in Australia: Evidence for Modernisation*[1], and the NSTC report on *STEM Career Pathways* were drawn on to provide advice to the Australian Government in 2023. The advice informed the Universities Accord and the Pathway to Diversity in STEM Review.

Based on evidence presented in the ACOLA report, and following consultation across the research and innovation system, Dr Foley proposed a New Skills and Experience Framework for researcher assessment. The framework is designed to improve researcher mobility, increase diversity and inclusion in the research workforce, and support more innovative and multidisciplinary Australian research.

Dr Foley's 2023 position paper, *Trust in Science*, outlined the elements of quality science, describing the systems that underpin and support quality science in Australia, and discussing the distinction between 'integrity', 'quality', 'excellence' and 'impact' – terms that are often conflated. This paper was well-received by stakeholders as a positive contribution to the scientific debate on trust in science.

[1] Australian Council of Learned Academies, Research Assessment in Australia: Evidence for Modernisation, 2023. Accessed December 2024 https://www.chiefscientist.gov.au/ResearchAssessment

Critical technologies

Dr Foley was a member of the Critical Technologies Hub Steering Committee and led the Critical Technologies Science Node.

Under her guidance the Science Node provided advice for the Critical Technologies Hub about critical technologies and Australia's comparative performance in critical technologies research and development.

In addition to her contributions to the Critical Technologies Hub, Dr Foley provided advice to the department on specific critical technologies throughout her term.

She chaired the RNA Expert Advisory Group which guided the development of Australia's RNA Blueprint, released in July 2024. Dr Foley also led the Australian delegation to the BIO International Convention 2023, held in Boston, USA.

Dr Foley provided guidance and advice to the department on many issues, including semiconductors, critical minerals processing, batteries, robotics, vaccine manufacturing and other critical technologies in the national interest.

Image 7. Dr Foley and Minister Husic taking a tour of the Samsara Eco Lab.
Credit: Jack Fox.

Youth engagement

Dr Foley regularly engaged with young Australians about science and encouraged them to consider the value of pursuing science careers. Youth focused events that Dr Foley spoke at included the National Youth Science Forums during National Science Week 2023 and 2024, and the GSG STEM Expo which ran in National Science Week 2024. Dr Foley was also the patron of Curious Minds, an 8-month hands-on extension and mentoring program for girls in years 8, 9 and 10.

Throughout her term Dr Foley gave talks to youth directly at their schools as well as to science teachers and educators generally. In the final year of her term Dr Foley gave a speech at the STEM Educators Conference and engaged with science teachers at their Annual Science Teachers Association Conference.

Image 8. Dr Foley showing Minister Husic the ANSTO booth at the GSG STEM Careers Expo.

Key international engagements

Internationally, Dr Foley fostered strong relationships with Chief Scientist advisors, meeting regularly with her counterparts across the globe. She used these networks to promote understanding of Australia's scientific capability and credibility internationally and to identify opportunities for closer collaboration in areas of interest to Australia.

In 2024, following regular virtual meetings, Dr Foley met with the Chief Science advisors of the United States, Canada, the United Kingdom and New Zealand in Ottawa to discuss mutual priority topics including STEM career pathways to support the government's response to the Diversity in STEM Review; methods for conducting research assessment; artificial intelligence impact and collaboration; synthetic biology; and quantum.

Dr Foley attended 2 meetings of the G20 Chief Science Advisors' Roundtable, making interventions at the official meetings as well as bilateral engagements with a range of partners. She sat on the World Economic Forum's Global Future Council on the Future of Cybersecurity throughout her tenure, exploring how cyber risk resilience can be strengthened and prioritised by societies.

With Chief Science advisors of Quad partners US, India and Japan, Dr Foley advanced several key projects, including supporting the establishment of the AI-engage collaboration in the agricultural technology sector and assuming the role of co-chair of the Quad Investors Network's Centre of Excellence in Quantum Information Sciences.

Dr Foley also travelled internationally in support of government science priorities. In 2022, she travelled to Japan to participate in the Science and Technology in Society (STS) Forum in Kyoto, then met with a range of stakeholders in Japan and Korea to inform work on the Critical Technologies Hub, the National Quantum Strategy and to discuss a proposal for a National Semiconductor Plan.

In 2023 Dr Foley attended and spoke at the World Economic Forum annual meeting in Davos, Switzerland. Alongside a series of bilateral meetings to inform ongoing science advice, Dr Foley spoke on panels addressing the development of national quantum ecosystems, gender parity in STEM, scientific influence in addressing climate change and advanced technology to fight bushfires.

During her tenure, Dr Foley travelled multiple times to the United States in support of her role advocating Australian science to the world and as leader of the science node of the Critical Technologies Hub. The Chief Scientist delivered significant keynote addresses on quantum and met with government and industry stakeholders to help progress the department's work on global supply chains, quantum and critical and emerging technologies.

To support the Government's Science and Technology engagement in the Pacific, Dr Foley finalised a map of existing government science and technology programs with Pacific nations.

Image 9. Dr Foley and the Chief Science advisors of the United Kingdom, Canada, the United States and New Zealand in Ottawa.

Image 10. Dr Foley presenting the Ralph Slatyer address on Science and Society at the National Innovation Policy Forum at the Press Club.

Image 11. Dr Foley speaking with Professor Anne Poelina during an 'in conversation' at the Global Nature Positive Summit in Sydney.

Image 12. The announcement of the Prime Minister's Prizes for Science.

Appendix A: Committee and board appointments

Committee/Board/Taskforce	Acronym	Role	Department	Capacity	Start date	End date
National Natural Hazards Disaster Risk Profile Expert Reference Group	NEMA	Ex-officio	National Emergency Management Agency	Chief Scientist	27 March 2024	30 June 2024
Climate Change Authority Board	CCA	Ex-Officio Member	DCCEEW	Chief Scientist	1 January 2021	31 December 2024
National Data Advisory Council	NDAC	Ex-officio	Finance	Chief Scientist	1 January 2021	31 December 2024
National Research Infrastructure Committee Member	NRIAG	Ex-Officio Member	Education	Chief Scientist	1 February 2023	31 December 2024
National Science and Technology Council	NSTC	Ex-Officio Executive Officer	DISR/PMO	Chief Scientist	1 January 2021	31 December 2024
Champions of Change Coalition	CCC	Member	External	Chief Scientist	16 March 2021	31 December 2024
Circular Economy Ministerial Advisory Group	Circular Economy	Member	DCCEEW	Chief Scientist	24 January 2023	31 March 2025
Critical Technology Science Node		Chair	DISR/Defence	Chief Scientist	2 August 2022	31 December 2024
Forum of Australian Chief Scientists	FACS	Chair	DISR	Chief Scientist	1 January 2021	31 December 2024
Critical Technologies Hub and Node Band 2 Steering Committee	Crit Tech Band 2	Member	DISR	Chief Scientist		31 December 2024
Government Scientists Group	GSG	Chair	DISR	Chief Scientist	1 January 2021	31 December 2024
Great Barrier Reef Water Quality Consensus Report	GBR	helper/oversight	DCCEEW	Chief Scientist	30 June 2022	July 2024
Industry Innovation and Science Australia	IISA	Co-Chair	DISR	Chief Scientist	1 January 2021	31 December 2024
International Science Group	5 eyes Chief Scientists	Member/rotating Chair	DISR	Chief Scientist	1 January 2021	31 December 2024

Committee/Board/Taskforce	Acronym	Role	Department	Capacity	Start date	End date
Methane Reporting Expert Panel	Methane	Chair	DCCEEW	Personal	TBC	TBC
National Hydrogen Strategy Review Advisory Group	NHSRAG	Member	DCCEEW	Chief Scientist	5 July 2023	Q1 2024
National Quantum Advisory Committee	NQAC	Chair	DISR	Chief Scientist	18 August 2022	31 December 2024
Office of Nation Intelligence Science Council	ONI	Member	Home Affairs/DFAT	Personal	1 January 2021	Ongoing beyond ACS term
Prime Minister's Prizes for Science Committee	Science Prizes	Chair of the Judging Committee	DISR	Chief Scientist	1 January 2021	31 December 2024
WEF Cyber security Committee	WEEF Cyber	Member	External	Chief Scientist		Ongoing
QUAD Industry Network – Quantum CoE	QUIN	Co-Chair	DISR	Chief Scientist	July 2023	31 December 2024
Advanced Strategic Capabilities Accelerator External Advisory Board	ASCA EAB	Advisory board member	Defence	Chief Scientist	24 October 2023	31 December 2024
Refresh of National Science and Research Priorities	Priorities	Leader	DISR	Chief Scientist	5 August 2022	31 December 2023
University Accord Education Minister's reference group	ACCORD ref group	Ex-Officio Member	Education	Chief Scientist	21 February 2023	31 December 2023
ARC ERA and EIA Review External Expert Advisory Committee	ERA Review	Member	Education	Chief Scientist	1 January 2021	31 August 2022
The Indian Ocean Territories Research Working Group	IOT Research	Member	DITRDC	Personal	15 July 2020	April 2022
National Research Infrastructure Roadmap Expert Working Group	NRI Roadmap	Ex-Officio Member	DESE	Chief Scientist	23 April 2021	18 January 2022
National Water Grid Advisory Body	NWGA	Member	DITRDC	Personal	6 August 2020	February 2022
University Research Commercialisation Scheme	Research Commercialisation	Observer	Education	Chief Scientist	20 January 2021	25 February 2022

Appendix B: Published publications

- Advice on open access models
- Indoor air quality impact on viral transmission
- Assurance Statement for the 2022 SCS on Reef water quality
- Australia's circular economy opportunity
- Government Scientists Group: Connecting government science and research capability
- STEM Career Pathways report
- Research Assessment in Australia: Evidence for Modernisation
- Trust in Science
- Rapid Response Information Report: Generative AI
- Growing Australia's STEM industries: Lessons from Quantum
- Chief Scientist's 2021 workplan
- 2021 Rapid report – Space industry and the STEM workforce

Appendix C: Published speeches

Throughout her 4-year term, Dr Foley delivered remarks, talking points, keynote addresses, speeches and presentations to national and international audiences.

Published speeches that Dr Foley delivered include:

2024

- 25 November 2024, Ralph Slatyer Address on Science and Society in Sydney.
- 29 October 2024, speech at the inaugural Mining, Metals and Circular Economy Conference in Sydney.
- 12 August 2024, speech at the launch of the National Science and Research Priorities at the ANU Research School of Chemistry, Canberra.
- 20 March 2024, speech at the Science Meets Parliament 2024 Gala Dinner, Canberra.
- 19 March 2024, speech at the Parliamentary Friends of Science Government Scientists Group showcase, Canberra.

2023

- 4 December 2023, speech titled 'Opportunities in quantum technologies: now, near term and in the future' at the International Conference on Quantum Energy in Melbourne.
- 19 October 2023, speech titled 'The case for more women in quantum' for the virtual IBM Quantum's Quantum Invited Women Talks series.
- 19 October 2023, speech titled 'A time to commit: Making the most of Australia's strengths in the new economy' at InnovationAus.com Capability Papers Live Forum in Canberra.
- 10 October 2023, speech titled 'Australia and Japan - enduring partners in science' at the Australia-Japan Business Co-operation Committee Joint Business Conference in Melbourne.
- 2 October 2023, speech titled 'Building trust in AI' at the Science and Technology in Society Forum's 12th Academy of Engineering Presidents Meeting in Kyoto.
- 27 September 2023, speech called 'Making a little magic: Building demand for quantum' at the Quantum World Congress in Washington DC.
- 11 September 2023, speech titled 'Young scientists to meet the challenges of our time' at Macquarie University's [EX]plore Conference in Sydney.
- 29 June 2023, speech titled 'The energy transition: Building pathways with science' at the World Mining Congress 2023 in Brisbane.
- 14 June in Sydney, speech titled 'Collaborative problem-solving with Science PLUS' at The Royal Society of New South Wales' Ideas@theHouse event.
- 18 May 2023, speech titled 'Australia's expertise and offering in quantum' at The Economist's Commercialising Quantum Global 2023 Conference in London.
- 16 May 2023, speech titled 'A moment in time for Australian biotechnology' at the American Chamber of Commerce in Australia's Biotechnology Luncheon in Sydney.
- 8 May 2023, speech titled 'Leveraging our unique strengths' at the 2023 Science on the Swan Conference in Perth.
- 20 April 2023, a speech titled 'Pursuing personal and professional transformation at university' as part of the University of Sydney Union's Distinguished Speaker Series in Sydney.

- 24 March 2023, speech titled ‘Science for advanced economic development’ at the ADC Forum's Australian Leadership Retreat in Brisbane.
- 21 Feb 2023, speech titled ‘Quantum in action’ at Quantum Australia 2023.

2022

- 14 December 2022, Australian Institute of Physics Congress dinner speech titled ‘An Ode to Australian Physics’.
- 30 November 2022, address at the Quantum World Congress in Washington DC.
- 8 November 2022, Butters Oration to the Engineers Australia ACT branch titled ‘Realising success in the emerging industries: The role of leadership’ at the National Press Club in Canberra.
- 12 September 2022, keynote presentation on the science that's shaping our future to the Institute of Public Administration Australia in Canberra.
- 4 October 2022, graduation address at the Monash University Faculty of Science graduation ceremony.
- 2 October 2022, remarks as part of a global discussion on Science and Technology as a driver for development during the Science and Technology in Society Forum 2022 in Kyoto, Japan.
- 27 September 2022, delivered the 2022 Stanhope Oration titled ‘Teaching for the Future’ as an online address to the CONASTA conference.
- 13 September 2022, keynote speech at the Regional Australia's Institute's 2022 national summit.
- 24 August 2022, keynote address titled ‘Finding Australia's Edge’ to the International Minerals Processing Council Asia Pacific Symposium in Melbourne.
- 15 June 2022, Dr Cathy Foley delivered The Melbourne Rotary Club's Thomas Baker Oration.
- 17 March 2022, Dr Cathy Foley delivered The Australian Academy of Technology and Engineering NSW Division's Chaikin Oration.
- 23 February 2022, Dr Cathy Foley delivered the keynote presentation as part of Sydney Quantum's Quantum Australia Conference.
- 28 February 2022, opening address to Science Meets Parliament.

2021

- 21 October, My right to be me: Navigating the landscape of artificial intelligence and digital technologies.
- 29 September 2021, the 2021 Helen Williams Oration at an IPAA ACT virtual event.
- 17 March 2021, Dr Cathy Foley delivered her inaugural National Press Club Address as part of Science meets Parliament: Achieving Impact from Australian science.