Australian Government

PARTNERING WITH AUSTRALIA ON INNOVATION, SCIENCE AND RESEARCH

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PARTNERING WITH AUSTRALIA ON INNOVATION, SCIENCE AND RESEARCH

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Introduction

Innovation is rightly recognised as vital to the world's future prosperity and wellbeing. The Australian Government and the nation's businesses, universities and research institutions are all committed to capitalising on Australia's innovative capacity – to break new ground and to respond to the challenges facing our country, the region and the world – in collaboration with partners from across the globe.

This booklet outlines the range of opportunities to invest in and collaborate with Australian organisations on science, research and innovation. The best innovations are born out of collaboration and Australia is looking to build its links internationally to deliver on its vision of an open and entrepreneurial economy.

CONTENTS

Our strengths

- Strong education and research sectors
- World-leading public research agencies
- Cutting-edge research infrastructure
- Innovative businesses expanding their impact globally
- Trade and investment base for international companies doing business in our region
- Sound governance, solid democratic institutions and transparent regulatory systems

Australian scientist and 2018 Australian of the Year, **Professor Michelle Simmons,** is leading the race to build the world's fastest quantum computer, collaborating with the Indian Institute of Science to tackle the problem of noise.

Benefits of collaborating with Australia

International collaboration supports the exchange of knowledge, helping to bring diversity in perspective and approach to solving the challenges of our time, and generating new ideas for the future.

The Australian Government recognises the vital role new knowledge and innovation plays in the economic, cultural and social advancement of a nation. The 2018-19 Budget included a new investment of $2.4 billion in Australia's research, science and technology capabilities. This includes increased long term funding for national research infrastructure, support for cutting edge satellite-positioning technology, more opportunities to skill our workforce to use advanced technology, a new space agency and measures to boost our export potential.

The Government has also provided new funding to support vital national initiatives including $500 million for a Genomics Health Future Mission, more than $100 million to support Antarctic science and $100 million for science to implement reef restoration and support reef resilience and adaptation for the Great Barrier Reef.

Australia has the capacity and capabilities to provide high-quality natural resources, food, education, tourism, and financial and professional services to the world.

The country's intellectual capital, commercial focus and collaborative approach make it an ideal partner for business, investment and collaborative activities. Australia has a strong record of innovation, underpinned by its significant government and private sector R&D investment and quality-enabling ICT infrastructure.

Australia is recognised globally for its high-quality research. Despite having only 0.3 per cent of the world's population, Australia contributed to over four per cent of world research publications in 2017. Australia's research performance is strong across a broad range of disciplines from the basic sciences and engineering, to the social sciences and humanities. Australia's universities perform very well in international rankings due to the quality of their research, and our science and research agencies are highly regarded. International collaboration boosts the citation performance of Australia and its partners.

Australia has a strong framework for research integrity underpinned by the following three national research standards:

- the *Australian code for the responsible conduct of research (the Code)*;
- the *National statement on ethical conduct in human research*; and
- the *Australian code for the care and use of animals for scientific purposes*.

Australia provides an excellent environment for international researchers and innovators, including high quality infrastructure and intellectual capital. Australia is highly multicultural and our organisations take pride in providing a supportive setting for international visitors.

All these features make Australia a destination of choice and a sought-after strategic partner.

The impact of Australia's science and innovation is no more apparent than through the following innovations that have revolutionised the world:

- Silicone hydrogel contact lenses, which account for around half of lenses fitted internationally
- Cochlear implant
- Cervical cancer vaccine
- Black box flight recorder
- Wi-Fi
- Creation of plastic banknotes
- Ultrasound scanner
- Spray on skin

Australian Government policies and priorities

National Innovation and Science Agenda

The National Innovation and Science Agenda (NISA) is the government's flagship innovation and science policy. Announced in 2015, the NISA sets out Australia's vision for economic prosperity, driven by embracing new ideas in industry, science and innovation policy and harnessing new sources of growth. It is built on four pillars:

- Culture and capital
- Collaboration
- Talent and skills
- Government as an exemplar

industry.gov.au/strategies-for-the-future/boosting-innovation-and-science

Innovation and Science Australia

Announced under NISA in 2015, Innovation and Science Australia (ISA) is a statutory body that was established to provide the Australian Government with whole-of-system advice on science, research and innovation. ISA's Board is comprised of Australian and international experts and leaders from across a range of sectors.

ISA's 2030 Plan '*Australia 2030: Prosperity through Innovation*' sets out a vision for Australia to be counted in the top tier of innovation nations by 2030, and establish a global reputation for excellence in science, research and commercialisation. In May 2018, the Government responded to the 2030 Plan, building on the NISA through targeted investments that grow Australia's research, science and technology capabilities and ensuring Australia has the policy settings in place to foster innovation. The Government will continue to draw on ISA's expert advice into the future.

industry.gov.au/strategies-for-the-future/innovation-and-science-australia

Culture and capital

Culture and capital: helping businesses embrace risk and incentivising early stage investment in startups

Collaboration

Collaboration: increasing the level of engagement between businesses, universities and the research sector to commercialise ideas

Talent and skills

Talent and skills: training students for the jobs of the future and attracting the world's most innovative talent to Australia

Government as an exemplar

Government as an exemplar: leading by example in the way the Australian Government invests in and uses digital technology and data to deliver quality services

National Science Statement

The National Science Statement sets out the Australian Government's vision for science in Australia and a strategic policy framework to guide future decision making in science.

The Statement demonstrates the government's commitment and long-term approach to having a strong and stable science system. This includes recognising the importance of international collaboration, and committing to strengthening and expanding Australia's strategic international science partnerships and programs.

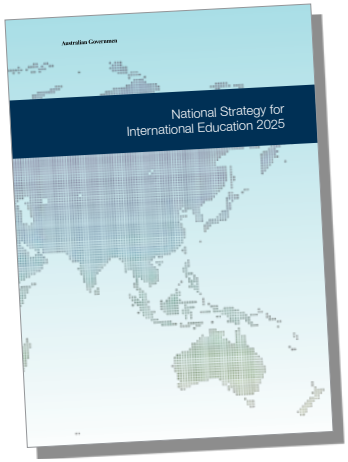
science.gov.au/NSS

Global Innovation Strategy

The Global Innovation Strategy is the key international measure under the NISA, providing an overarching framework to guide Australia's international industry, science and innovation collaboration.

The Strategy fosters and promotes global engagement on entrepreneurship and innovation, building strong research and business connections internationally. It is underpinned by funding initiatives that help Australians take their ideas to the world, and support international collaboration, particularly between researchers and industry.

industry.gov.au/Global-Innovation-Strategy



National Strategy for International Education 2025

Australia's National Strategy for International Education 2025 is driving collaboration in education and research.

The National Strategy is based on three broad pillars:

- strengthening the fundamentals of Australia's education, training and research system and the regulatory, quality assurance and consumer protection arrangements
- transformative partnerships between people, institutions and governments, at home and abroad
- competing globally by responding to global education and skills needs and taking advantage of emerging opportunities

nsie.education.gov.au

Science and Research Priorities

Australia has developed a set of national Science and Research Priorities to increase investment in areas of immediate and critical importance to Australia and its place in the world.

The priorities and associated practical research challenges are helping Australia's world-class science and research efforts to reflect the needs of industry, the economy and the community.

The nine priorities are: food, soil and water, transport, cyber security, energy, resources, advanced manufacturing, environmental change, and health.

science.gov.au/scienceGov/ScienceAndResearchPriorities

Australian Government

Australian Space Agency

Australian Space Agency

The Australian Space Agency commenced operations on 1 July 2018. It will transform and grow a globally respected Australian space industry that lifts the broader economy and inspires and improves the lives of Australians. This will be underpinned by strong international and national engagement. The Agency's responsibilities include:

- setting national policy and strategy for the civil space sector
- coordinating Australia's domestic space sector activities (including regulatory activities under the *Space Activities Act 1998*)
- leading international space engagement
- supporting the growth of Australia's space industry
- sharing our expanding role in space and importance to the national economy
- inspiring the Australian community and the next generation of space entrepreneurs.

space.gov.au

Who to partner with in Australia

National science and research agencies

Australia has a diverse range of world-renowned government research organisations. These organisations conduct long-term, mission-led research in critical areas for Australia and the world. They have enduring international relationships and support research globally, including through their role as hosts for large-scale research infrastructure facilities and scientific collections.

COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION

The Commonwealth Scientific and Industrial Research Organisation (CSIRO) is Australia's national science agency and one of the largest and most diverse research agencies in the world. CSIRO focuses on delivering positive impact from science and technology across disciplines in areas as diverse as agriculture, health, space science and manufacturing. CSIRO has 5000+ experts in 55 sites across the world. It has Australia's largest patent bank and has created more than 150 spin-off companies to date, transforming science and technology into commercial success that reinvents existing industries and creates new ones. CSIRO is also the custodian of a number of collections of animal and plant specimens that contribute to national and international biological knowledge.

Overall, CSIRO works in over 80 countries and is ranked in the top one per cent of world scientific institutions in 13 of 22 research fields. CSIRO collaborates with leading organisations around the world including governments, universities, research agencies and corporate partners, and is recognised for its ability to create measurable economic, environmental and social impact that answers the world's greatest challenges.

CSIRO hosts a number of Australia's national research facilities and scientific infrastructure. These research facilities and specialised laboratories are available to both international and Australian users from industry and research. Facilities include:

- Australian Animal Health Laboratory (AAHL) - helps protect Australia's multi-billion dollar livestock and aquaculture industries, and the general public, from emerging infectious disease threats. It plays a vital role in maintaining the health of Australia's animals, the international competitiveness of Australian agriculture and trade, the well-being of Australians and the quality of our environment;
- Australian Telescope National Facility (ATNF) - comprises a number of world-class radio astronomy observatories that support Australia's research in radio astronomy and can be used by researchers from institutions all over the world.

LEFT: Diver catching a rock lobster, CSIRO Marine Research. © CSIRO Science Image

CASE STUDY - CSIRO

CSIRO's diverse scientific breakthroughs and inventions benefit billions of people around the world each day, in fields as diverse as health, manufacturing, mining and agriculture.

Working with industry, producers and exporters, CSIRO conducted a lifecycle assessment of Australia's canola crop. This assessment confirmed that Australian Canola is compliant with strict new EU regulations for the use of canola as a biofuel feedstock.

CSIRO research allowed the continuation of Australia's ~$1 billion per annum canola exports to the EU that pay a $100 million premium to farmers each year.

CSIRO's expertise to conduct life cycle assessments is an important capability available to assist industry to prove its environmental credentials to consumers and legislators, in what is a growing global trend towards sustainable production.

ATNF manages the Murchison Radio-astronomy Observatory (MRO) where the Square Kilometre Array telescope infrastructure in Australia is to be centred. This international project is a strategic priority for ATNF;

- Canberra Deep Space Communications Centre (CDSCC) - one of three Deep Space Network stations around the world providing continuous, two-way radio contact with spacecraft exploring our solar system and beyond. It is managed by CSIRO on behalf of the United States National Aeronautics and Space Administration (NASA);
- Marine National Facility - supports Australian scientists and their international collaborators to carry out world-class, blue-water research that addresses national challenges in oceanography, climatology, fisheries, marine ecosystems, environmental science and geosciences. It includes the national research vessel RV *Investigator* commissioned in 2015;
- Pawsey Supercomputing Centre - hosts the supercomputing facilities and expertise to support the Square Kilometre Array pathfinder research, geosciences and other high-end science as well as delivering and supporting world-class advanced ICT infrastructure;
- National Research Collections Australia (NRCA) constitute a vast storehouse of information about Australia's biodiversity and underpin a significant part of the country's taxonomic, genetic, agricultural and ecological research - making these vital resources for conservation and the development of sustainable land and marine management systems. NRCA includes:
  - the Australian National Insect Collection;
  - the Australian National Wildlife Collection;
  - the Australian Tree Seed Centre;
  - the Australian National Fish Collection;
  - the Australian National Algae Culture Collection;
  - the Australian National Herbarium; and
  - the Atlas of Living Australia (ALA).

The ALA provides free, online access to a vast repository of information about Australia's amazing biodiversity and supports research, environmental monitoring, conservation planning, education, and bio-security activities.

CSIRO partners with thousands of companies, research organisations and universities to develop and take new technologies to market and deliver positive impact for Australia and the world through partnerships, joint ventures, co-investing and licencing.

csiro.au

Australian Government

ANSTO

AUSTRALIAN NUCLEAR SCIENCE AND TECHNOLOGY ORGANISATION

The Australian Nuclear Science and Technology Organisation (ANSTO) is Australia's national nuclear research and development organisation and is the focus of nuclear expertise in Australia. It produces and uses radioisotopes, isotopic techniques and nuclear radiation for medicine, science, industry, commerce and agriculture.

ANSTO has collaborations, frequently interdisciplinary, with diverse international partners with a view to stimulating joint activities for the advancement of science and engineering and, subsequently, innovation.

ANSTO manages a number of unique research facilities, including the:

- Open Pool Australian Lightwater (OPAL) reactor – one of the world's most effective multi-purpose research reactors. The OPAL reactor is home to Australia's vital nuclear medicine manufacturing capabilities and specialised irradiation services for industry and research. Its neutron beams are used to solve complex research and industrial problems applicable in a wide range of fields, such as chemistry, physics, materials science, engineering, earth sciences, life sciences and cultural heritage.
- Australian Synchrotron – a world-class research facility that produces light (synchrotron radiation) many times brighter than the sun to see the invisible structure and composition of materials from the macroscopic to the atomic – with a level of detail, speed and accuracy not possible in conventional laboratories – for diverse scientific and industrial applications.
- Australian Centre for Accelerator Science – includes four operating accelerators used to analyse materials to determine their elemental composition and age, fundamental to advancing knowledge in areas such as water management, understanding ecosystems and climate science.

ansto.gov.au

Australian Government

Australian Institute of Marine Science

AUSTRALIAN INSTITUTE OF MARINE SCIENCE

The Australian Institute of Marine Science (AIMS) is a leader in tropical marine science and, through strong collaborative links nationally and internationally, coordinates and delivers large-scale, long-term world-class marine research that benefits society, government and industry. AIMS research underpins sustainable use of our marine resources for economic benefit whilst ensuring effective management and protection of our unique ecosystems. AIMS scientists are involved in collaborative projects conducted in different countries with colleagues from a wide range of international organisations. AIMS' research has a strong focus on delivering solutions to the key challenges faced by our oceans. AIMS is applying new technology to significantly increase the reach and alacrity of our science and will build new capabilities in critical areas such as coral reef restoration, ecological modelling, and decision science.

State-of-the-art infrastructure allows research and industry partners to further the collective knowledge of Australia's unique marine ecosystems and the challenges they face. The development and adoption of new technologies for efficiency gains and exploring new frontiers is central to our productivity and an area of focus. Our people are our greatest asset so we encourage innovation and operate with the highest standards of health and safety.

The AIMS National Sea Simulator (SeaSim) is a world-class marine research aquarium facility for tropical marine organisms in which scientists can conduct cutting-edge research. Using SeaSim, Australian and international scientists can research the impact of complex environmental changes with large, long-term, experiments in which they can manipulate key environmental factors.

The AIMS research fleet provides access to all of Australia's tropical marine environments. Two large purpose-built ships, the RV *Cape Ferguson* and the RV *Solander*, and a number of smaller vessels, take researchers to the diverse habitats that make up Australia's tropical marine estate.

aims.gov.au

Australian Government
Geoscience Australia

GEOSCIENCE AUSTRALIA

Geoscience Australia (GA) is Australia's pre-eminent public sector geoscience organisation and the nation's trusted advisor on the geology and geography of Australia. GA undertakes geoscientific research and maintains, develops and encourages access to geoscientific and geospatial data.

GA's work supports a diverse range of topics, including resource development, natural hazards such as tsunami and earthquakes, environmental issues, including the impacts of climate change, groundwater research, marine and coastal research, carbon capture and storage and vegetation monitoring. GA's remit also extends beyond the Australian landmass to Australia's vast marine jurisdiction.

Australia's position on the globe places it in an ideal spot to assist in acquiring satellite data for northern hemisphere satellite operators to obtain comprehensive earth observation coverage. GA plays an important role in global earth observation operations through international collaboration.

ga.gov.au

CASE STUDY - POSITIONING FOR THE FUTURE

In the 2018-19 Budget, the Australian Government committed $224.9 million to improve positioning infrastructure through the establishment of a national ground station network and a new generation of satellite augmentation technology. The National Positioning Infrastructure Capability (NPIC) will build on Australia's research infrastructure investment to centralise positioning data across states, territories and the private sector. This open infrastructure is expected to allow industry to deliver a positioning accuracy of between 3 and 5 cm where there is mobile phone coverage. Complementary to this, the Satellite-Based Augmentation System (SBAS) will deliver a positioning accuracy of 10cm, with safety-of-life verification, across all of Australia and its maritime borders. The announcement follows a two-year testing period of the new technology across Australia and New Zealand in ten different industry sectors, which demonstrated strong results in safety, mobility, productivity and innovation.

SBAS technology was recently tested by mega ocean liner Ovation of the Seas. Partnering with the state port authority and a private offshore and marine survey company, the world's fifth largest cruise ship docked safely in Sydney Harbour using precision positioning data previously not available.

Cruise liners usually rely on GPS coordinates (an accuracy of between 5 to 10 metres) and human eyesight to position themselves in busy working harbours in all weather conditions. With more than half a million people boarding 344 cruise ships in Sydney Harbour in 2016-17 alone, the systematic use of technology like this could have far reaching benefits for harbour safety, precision docking, and small harbour multi vessel navigation.

Together, NPIC and SBAS will provide multiple industries with a unique opportunity to develop and sell products and services built around such high-accuracy positioning data.

ga.gov.au/scientific-topics/positioning-navigation/positioning-for-the-future

Australian Government
Department of Defence
Science and Technology

DEFENCE INNOVATION SYSTEM

The Australian Department of Defence now has a single innovation development pipeline, with two signature innovation programs: the Next Generation Technologies Fund; and the Defence Innovation Hub.

The Centre for Defence Industry Capability (CDIC), through the Defence Innovation Portal, provides the front door for companies and researchers wanting to work with Defence to access the innovation system.

business.gov.au/Centre-for-Defence-Industry-Capability/Defence-Innovation

DEFENCE INNOVATION HUB

The Defence Innovation Hub is investing around $640 million over the decade to 2025-26 in maturing and further developing technologies that have moved from the early science stages into the engineering and development stages of the innovation process. The Hub pulls together research institutions, academia, industry and innovative technologies.

innovationhub.defence.gov.au

DEFENCE SCIENCE AND TECHNOLOGY GROUP

The Defence Science and Technology Group (DST) is the Australian Government's lead agency responsible for applying science and technology to safeguard Australia and its national interests.

DST works closely with industry, universities and the scientific community to support Australia's defence and national security capabilities. An example is the $730 million (over ten years) Next Generation Technologies Fund, which will be delivered via collaborative programs with academia, publicly funded research agencies, industry (particularly small and medium enterprises) and Australia's allies.

Once such collaborative program is the $25 million (over nine years) US Australia International Multidisciplinary University Research Initiative (AUSMURI), whereby Australian Defence provides grants to support multi-disciplinary teams of Australian university researchers who collaborate with US Defense-sponsored academic colleagues on high priority projects for future Defence capabilities.

DST pursues active collaboration with defence and national security communities of interest nationally and internationally.

dst.defence.gov.au

Australian Government
Bureau of Meteorology

BUREAU OF METEOROLOGY

The Bureau of Meteorology has an ongoing commitment to world-class research that supports and advances the quality, breadth, timeliness and utility of its products and services. The Bureau research and development team's overarching goal is to provide underpinning science and technology for environmental information to support decision-making over timescales from minutes to decades.

The Bureau's climate research and weather services have high-value applications in the aviation, maritime, defence, emergency management, and agriculture sectors.

The Bureau collaborates with and leverages from its national and international partners on cutting-edge research that improves service delivery to the Australian community and contributes to global endeavours in weather, climate, water and oceans. Through formal representation at national and international levels the Bureau contributes valued advice and direction across environmental domains.

bom.gov.au

Australian Government
Department of the Environment and Energy
Australian Antarctic Division

AUSTRALIAN ANTARCTIC DIVISION

The Australian Antarctic Division based in Hobart, Tasmania is responsible for advancing Australia's strategic, scientific, environmental and economic interests in Antarctica and the Southern Ocean.

It does this by leading, coordinating and delivering the Australian Antarctic Program, which is focused on understanding and protecting Antarctica and delivered by conducting world-class science of critical national importance and global significance. The Australian Antarctic Program utilises combined sea, air and continental transport capabilities to undertake wide-ranging marine, ice and aviation-based research activities.

Since 1986 the Australian Antarctic Division has been providing funding and logistics support to Australian and international participants through the Australian Antarctic Science Grants program. The research priorities for this program are articulated in the Australian Antarctic Science Strategic Plan 2011-12 to 2020-21.

The Australian Antarctic Program collaborates with the newly established Antarctic Science Foundation, an independent fundraising organisation, which provides opportunities for the private sector to partner with government to support world-class scientific research.

Australia also works collaboratively with the Antarctic programs of many other nations to share expertise and logistics in the support of projects aimed at answering some of the major science questions of our time.

Antarctica is a place of peaceful, scientific cooperation. Australia's activities to protect, administer and research the Antarctic region are conducted within the strong international framework of the Antarctic Treaty system. Australian priorities and future plans in Antarctica can be found in the Australian Antarctic Strategy and 20 Year Action Plan.

antarctica.gov.au

Australian Government
Department of Industry, Innovation and Science

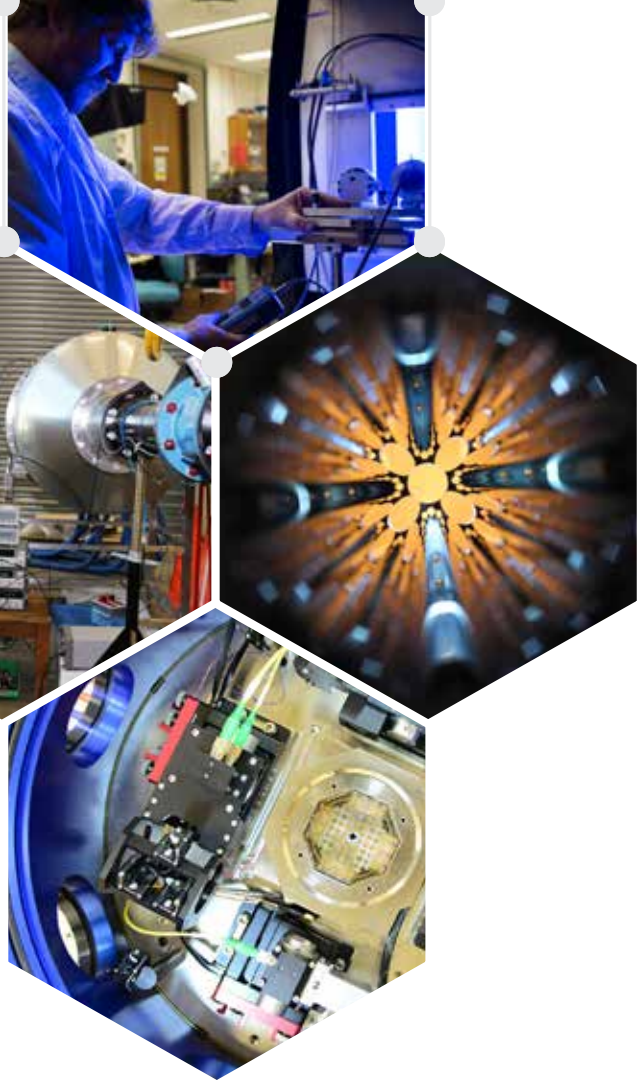
ANGLO-AUSTRALIAN TELESCOPE (AAT)

The Anglo-Australian Telescope (AAT) is a world-leading optical astronomy facility located at Siding Spring Observatory, near Coonabarabran. The 3.9-metre diameter AAT has, since 1974, served generations of Australian and visiting overseas astronomers as one of the world's most productive observing facilities, in scientific output, publications and citations. It is, and will remain for the foreseeable future, Australia's largest optical telescope.

As part of the Government's 2017-18 Budget measure 'Maintaining Australia's optical astronomy capability', the Commonwealth has worked closely with Australian institutions to ensure that, in line with the Decadal Plan for Australian Astronomy (2016-2025), the AAT continues to support Australian astronomical research, collaboration and instrument development for as long as the astronomy community requires it.

From 1 July 2018, the AAT is being operated by a consortium of Australian universities led by the Australian National University and managed by Astronomy Australia Limited. Under this new arrangement, the AAT will continue to train the next generation of astronomers; undertake important 'wide field' surveys; provide a test-bed for new locally-designed instruments, technologies and ideas; engage and educate the general public, and bring important tourism and economic benefits to regional Australia.

This is an exciting time for Australian astronomy.



Australian Government
Department of Industry, Innovation and Science

National Measurement Institute

NATIONAL MEASUREMENT INSTITUTE

The National Measurement Institute (NMI) is Australia's 'one-stop shop' and peak body for measurement. Sitting at the interface between national and international systems, NMI ensures the international credibility of Australia's measurement infrastructure, thereby reducing technical barriers to trade, enabling innovation and supporting investment.

Through research collaborations with international counterparts, NMI fosters innovation in fields such as advanced manufacturing and enabling technologies, and helps address practical measurement challenges in sectors such as energy, health and food security.

NMI uses its international engagements to strengthen its broad range of scientific and technical capabilities and associated delivery of expertise, services and technology transfer to many sectors of the economy.

measurement.gov.au

Australian Government
Department of Agriculture and Water Resources
ABARES

AUSTRALIAN BUREAU OF AGRICULTURAL AND RESOURCE ECONOMICS AND SCIENCES

The Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES) provides professionally independent and world-class multi-disciplinary research, analysis and advice to inform decision-makers in the Australian Government Department of Agriculture and Water Resources, other government agencies and the private sector on significant issues affecting Australia's agriculture, fisheries and forestry industries.

ABARES has a wealth of expertise in applied economic and scientific research, developing innovative modelling techniques, undertaking comprehensive surveys and developing internationally recognised data management processes. ABARES also provides integrated socio-economic and biophysical analysis to address the policy issues facing Australia's primary industries today and into the future.

In contributing to policy development, ABARES examines the full range of options potentially available to policy makers and, at times, may enter into public discussion on its research findings and on the consequences of different policy options. ABARES also takes a collaborative approach to research and policy analysis, working with external experts and partners both within and outside Australia, including the CSIRO and the Centre of Excellence for Biosecurity Risk Analysis.

agriculture.gov.au/abares/

INDUSTRY GROWTH CENTRES INITIATIVE

Australia has established six Growth Centres to drive innovation, productivity and competitiveness and help Australia transition into smart, high value and export focused industries. Growth Centres have an international focus, with each Centre engaging with international markets and facilitating firms and their sectors to access global supply chains, as well as creating national and international collaborative opportunities. They are a key source of knowledge and network opportunities in each industry sector.

Growth Centres have been established in six sectors, including:

- Advanced Manufacturing;
- Cyber Security;
- Food and Agribusiness;
- Medical Technologies and Pharmaceuticals;
- Mining Equipment, Technology and Services;
- Oil, Gas and Energy Resources.

Each Growth Centre has developed a Sector Competitiveness Plan, a strategic vision for their sector. These Plans also highlight knowledge and technology gaps to inform the science and research community of industry need. By providing this industry-led vision, the Growth Centres are bringing focus and alignment across industry and innovation initiatives.

Growth Centres connect industry to research and technical expertise to solve challenges and increase the productivity and competitiveness of their sectors. As such, they represent national collaboration networks.

Growth Centres are also providing the vision, leadership and national connectivity for the SME Export Hubs Initiative. The Hubs are business-to-business networks. They will boost the export capability of local and regional businesses through support such as developing collective brands, leveraging local infrastructure to scale business operations, and positioning regional businesses to participate in global supply chains.

industry.gov.au/growthcentres

INNOVATION PRECINCTS

Australia recognises the important role innovation precincts play in establishing networks and concentrations of industry, university and science agency researchers, education institutions and community partners in one place, to facilitate collaboration.

Successful innovation precincts encourage increased collaboration between researchers and end users, fostering innovation, knowledge transfer, and commercialisation to drive sustainable economic growth and job creation.

A national map of active, emerging and planned innovation precincts is available at data61.csiro.au/en/Map.

UNIVERSITIES

World-leading research occurs at universities of all shapes and sizes throughout Australia, spanning the sciences, the social sciences, the arts and the humanities. All of Australia's universities – 40 Australian and two international – engage in research. Many universities have campuses in other countries, and strengthening research connections is a specific objective. Universities in Australia attach high importance to fostering international relationships, working hard to build trust and shared expertise.

Universities Australia (UA) is the peak body that represents Australian universities both nationally and internationally, with 39 universities current members. UA acts to influence national policy in ways that affirm Australia's position as a highly innovative, educated and globally oriented nation.

While all universities pursue their own international relationships, UA has an important role in fostering global research and innovation collaboration on behalf of its members.

Its publication, World-leading research in Australia's universities, provides a snapshot of the range of exciting and innovative research being undertaken in universities in Australia and highlights collaborative opportunities. UA's website includes the details of key contacts within each university.

universitiesaustralia.edu.au

Just over half of Australia's universities are also part of groups formed to promote the mutual objectives of their member universities, including building international collaboration:

- Group of Eight – go8.edu.au
- Australian Technology Network of Universities – atn.edu.au
- Innovative Research Universities – iru.edu.au
- Regional Universities Network – run.edu.au

Excellence in Research for Australia (ERA), which is managed by the Australian Research Council (ARC), is a comprehensive and detailed evaluation of the quality of Australia's university research. The most recent ERA report demonstrates the breadth, depth and diversity of high-quality university research across the sciences, engineering, arts and humanities. Through the ERA outcomes comparison tool—which shows performance in each specific research discipline for each Australian university—international researchers and businesses can identify precise areas of research excellence and possible opportunities for future research partnerships.

The ERA outcomes will be complemented by the outcomes of the first national assessment of the engagement and impact of university research. The Engagement and Impact (EI) assessment—underway in 2018—is examining how universities are translating their research into economic, environmental, social and other benefits and creating incentives for greater collaboration between universities and research end-users. Following the completion of EI, the ARC will publish a range of activity and performance information on its website. This will allow prospective international business partners to identify where best practice research engagement is occurring across the Australian university sector and where future opportunities for collaborations with universities may lie.

BUSINESS

Businesses account for the highest proportion of research expenditure in Australia. Australia has world leading innovative industries and companies in areas such as biotechnology and pharmaceuticals, clean energy, finance, mining technologies and agriculture.

Australia also has a strong home-grown tech sector, with startups and entrepreneurs being a large contributor to new jobs and innovation in Australia.

The Australian Government supports business innovation through the Research and Development Tax Incentive, which provides broad based, market driven assistance for all industries.

International partners have numerous opportunities to collaborate with Australian companies, invest in or incorporate Australian solutions into existing products and services, or enter into joint ventures to take Australian technologies to the global market. Australia has expertise at every stage of the global value chain, from the extraction and processing of raw materials, to the development and production of new materials, to design, testing and manufacture.

Austrade, Australia's trade and investment promotion agency, is an excellent first point-of-contact for international organisations seeking to build partnerships and invest in Australia's innovative businesses.

Its publication, Australia: Destination Innovation, highlights Australia's strengths and the wide range of opportunities available.

austrade.gov.au

CASE STUDY - FIGHTING CANCER WITH INNOVATIVE RESEARCH

Australia's Peter MacCallum Cancer Centre is a world renowned cancer research, education and treatment centre, recognised for pioneering scientific breakthroughs and highly developed industry collaborations.

The Centre houses 600 researchers and students solely dedicated to cancer who have developed groundbreaking tests and treatments in different blood cancers, melanoma and skin cancer, lung cancer, oesophageal cancer, as well as breast, ovarian and uterine cancer.

The Centre has formal collaborative agreements with the MD Anderson Cancer Centre and the Dana-Farber Cancer Institute in the United States, and China's Fudan Shanghai Cancer Centre, and collaborates with other cancer centres worldwide. Over the last two years, it has also established three global industry collaborations with Roche-Genentech, Bristol-Myers Squibb and Glaxo-Smith-Kline to support lab-based and translational research in cancer immunotherapy, generating over $10 million in joint project investment.

Austrade has been working closely with the Centre in key markets, including in the US where Austrade has facilitated discussions with major industry and research institutes. The Centre has also participated in Austrade led delegations to the US.

Top and bottom image © Peter MacCallum Cancer Centre

Australian Government
IP Australia

IP Australia administers intellectual property (IP) rights and legislation relating to patents, trade marks, designs and plant breeder's rights. IP Australia supports Australian business and researchers to collaborate and develop IP.

ipaustralia.gov.au

To increase collaboration and commercialisation of IP, IP Australia launched Source IP – a digital marketplace for IP held by all Australian research organisations holding thousands of patents. Source IP helps businesses access public sector inventions and technology available for licensing, and to identify potential collaboration opportunities. With Source IP, users can search through the research that's already been started by Australia's public sector research organisations and contact the researchers of interest.

sourceip.ipaustralia.gov.au

IP Australia and the Department of Industry, Innovation and Science developed the IP Toolkit to simplify the management of IP in collaborations between researchers and business. The toolkit gives users the information and tools to identify issues early on and build effective partnerships, managing the interrelationships between confidentiality, use of existing IP, publication of information, commercialisation and decision making around IP rights. The toolkit includes:

- a collaboration checklist covering the key issues that need to be considered;
- contract, confidentiality agreement and term sheet templates; and
- guidance and information to help collaborating parties manage their IP.

ipaustralia.gov.au/tools-resources/ip-toolkit

OTHER PARTNERS

There are a range of other science, research and innovation organisations in Australia that present opportunities for international collaboration. These organisations often bring partners together to respond to particular questions or areas of research. Key groupings of these organisations include:

- Medical research institutes – providing a direct link between laboratory-based research and clinical practice – aamri.org.au/
- Cooperative Research Centres – industry-led research partnerships between business, publicly funded researchers and the community – business.gov.au/crc
- Rural Research and Development Corporations – industry-government partnerships covering most aspects of agriculture, fisheries and forestry – ruralrdc.com.au/
- Australian Research Council – The National Competitive Grants Program: Linkage Program – encourages cooperative approaches to research and strengthening links with national and international innovation systems, through the promotion of research partnerships between researchers and business, industry, community organisations and other publicly funded research agencies – arc.gov.au/linkage-program
- National Health and Medical Research Council Centres of Research Excellence – teams of researchers developing capacity in clinical, population health and health services research – nhmrc.gov.au/grants-funding/apply-funding/centres-research-excellence-cre
- Plant Health Australia – national coordinator of the government-industry partnership for plant biosecurity in Australia – planthealthaustralia.com.au
- Animal Health Australia – facilitates innovative partnerships between governments, major livestock industries and other stakeholders to protect animal health and the sustainability of Australia's livestock industry – animalhealthaustralia.com.au
- Centre of Excellence for Biosecurity Risk Analysis – delivers practical solutions and advice for assessing and managing biosecurity risks that inform the risk management role of the department and ministry – cebra.unimelb.edu.au
- Plant Biosecurity Research Initiative – supports cross-sectoral research development and extension to minimise the damaging consequences caused by biosecurity threats to Australian plant industries – pbri.com.au

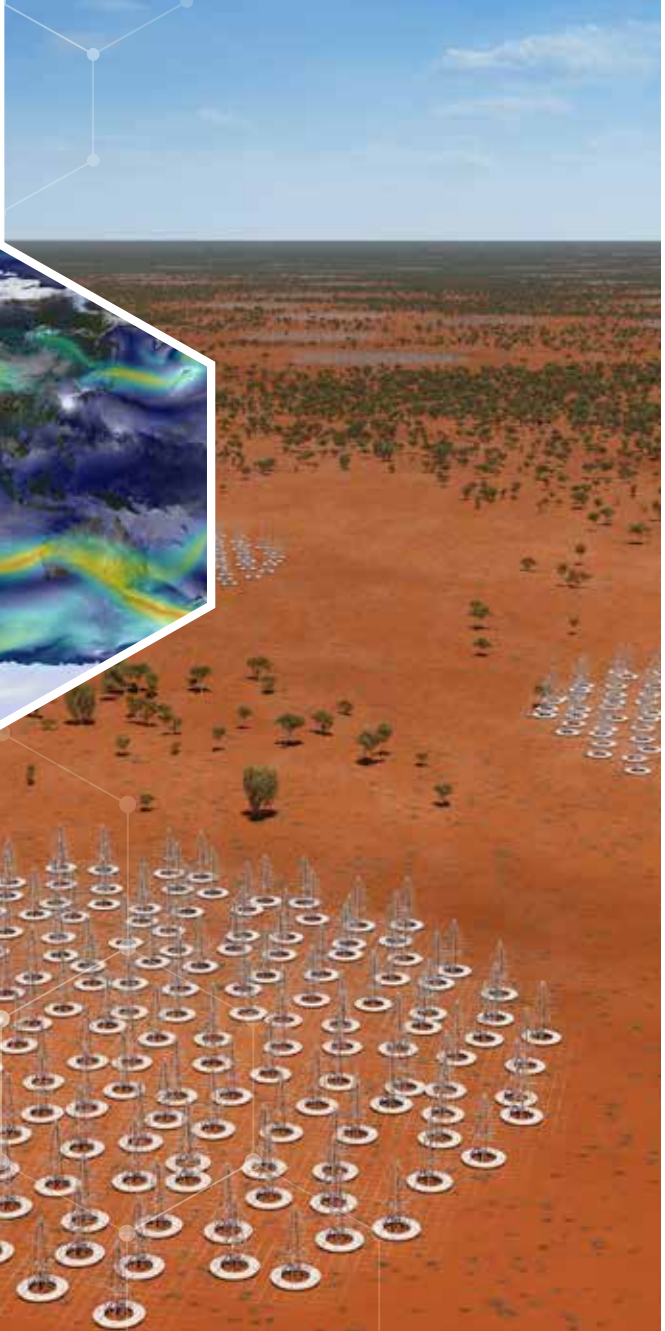
Research infrastructure supporting collaboration

Australia's strategic investment in research infrastructure has provided a platform for collaboration to help Australian businesses grow and create jobs. Through nationally and internationally networked facilities and projects, researchers from differing disciplines come together to tackle the challenges that face Australia and the world. These facilities, along with their specialist staff support cross disciplinary research and collaborations with small, innovative companies and major multinationals, including trialling new technologies and services.

The facilities and projects supported through Australia's National Collaborative Research Infrastructure Strategy (NCRIS) underpins research excellence and collaboration between universities, research institutes, government and industry to deliver research excellence and practical outcomes. NCRIS supports international collaboration through facilities and projects covering capabilities such as high performance computing, data, environmental and earth monitoring, characterisation, advanced fabrication and instrumentation, biology and therapeutic development and astronomy.

In the 2018-19 Budget, the Australian Government announced an additional $1.9 billion in long-term funding for Australia's research infrastructure facilities and projects. This funding will be delivered through NCRIS and will maintain world-class, high-quality facilities across Australia that can also be accessed by international researchers. It will ensure the continued transfer of knowledge between researchers, will provide technology and expertise for industry to develop new products, and will ensure our research institutions are modern and cutting-edge. For information on the NCRIS network and collaboration see –

education.gov.au/national-collaborative-research-infrastructure-strategy-ncris.



The national facilities hosted by Australia's government research organisations are world-renowned and are highlighted in the earlier section 'Who to partner with in Australia'.

International engagement is a critical element of Australia's research infrastructure landscape. Researchers need access to domestic and international world-class research infrastructure necessary to drive internationally significant and leading research results.

Australia has a strong history as a partner and leader in international activities. Many Australian research infrastructure facilities and projects are involved in international collaborations, including the Global Ocean Observing System, the Giant Magellan Telescope, the Global Bioimaging Project and the Research Data Alliance.

Australia is also one of two telescope hosts for the Square Kilometre Array (SKA) – a global next generation radio telescope project involving institutions from over 20 countries. The SKA will be the largest and most capable radio telescope ever constructed. During its 50+ year lifetime, it will expand our understanding of the universe and drive significant economic, scientific and technological development worldwide.

In 2017, Australia entered into a 10-year Strategic Partnership with the European Southern Observatory (ESO). ESO is widely acknowledged to be the world's foremost astronomical organisation, operating a suite of world-class optical and infrared telescopes at multiple sites in Chile.

The Strategic Partnership with ESO will open up new avenues for scientific and industry collaboration between Australia and other ESO member states.

Collaboration support

There are a range of Australian Government programs supporting international science, research and innovation collaboration, and details of the major schemes are outlined in the following section. It is recommended that individuals and organisations looking for opportunities to collaborate with Australia first find a suitable partner or partners.

The Australian Government provides significant support to businesses, universities and research for their science, research and innovation activities, including international collaboration, so many Australian partners may be able to self-finance their participation.

International and multilateral organisations also provide significant support for international collaboration on global challenges.

AUSTRALIAN RESEARCH COUNCIL

The Australian Research Council (ARC) is Australia's main funding agency for research grants and provides a variety of opportunities to support international research collaboration in all disciplines (although clinical and other medical research are primarily supported by the National Health and Medical Research Council). All ARC funding schemes are open to international researchers, provided applications are made through an eligible Australian institution.

The ARC's funding schemes include support for fundamental research, fellowships and collaborative research with industry, government and the community.

arc.gov.au/international

NATIONAL HEALTH AND MEDICAL RESEARCH COUNCIL

The National Health and Medical Research Council (NHMRC) is Australia's peak body for supporting health and medical research. NHMRC funding supports research across the full spectrum of health and medical research, from basic science through to clinical, public health and health services research.

NHMRC supports international engagement through a number of mechanisms, including:

- engaging in bilateral and multilateral funding arrangements
- permitting overseas based researchers on research grants
- allowing early career researchers to undertake advanced training at an overseas research institution
- influencing global research policies as a member of both international organisations and coordination fora
- supporting Australian researchers to access international programs

The *NHMRC International Engagement Strategy 2016-2019* outlines NHMRC's approach to working with its international partners over the three years.

NHMRC Measuring Up 2013 reports on NHMRC-supported research including the impact of journal publication outputs from 2005-2009. The report states that nearly 40% of NHMRC-supported publications involved international collaborations, from over 110 countries. NHMRC-supported publications that only had Australian authors had a relative citation impact 25% above the world average, while those with at least one international collaborating author had a relative citation impact 115% above the world average.

nhmrc.gov.au/research/international-engagement

MEDICAL RESEARCH FUTURE FUND

The Medical Research Future Fund (MRFF) provides grants to support health and medical research and innovation aimed at improving the health and wellbeing of Australians. Building to a $20 billion perpetual fund, the MRFF represents a doubling of Australia's commitment to health and medical research that is additional and complementary to the historic work of the NHMRC.

As well as improving the health of current and future generations through better health policies, technologies and medicines, the MRFF will drive economic outcomes by improving workforce participation and productivity. Enabled by the MRFF, the Australian Government has established a National Health and Medical Industry Growth Plan which will cement Australia's place as a world leader in medical technology, biotechnology, pharmaceuticals, and health and medical research. The Growth Plan will fuel jobs and growth in new firms and industries through research, providing highly skilled jobs, stimulating growth in exports, attracting clinical trial activity, and creating new market ecosystems.

Recognising the value of international partnerships, the MRFF can co-invest with other public and private funders, domestic and global.

health.gov.au/internet/main/publishing.nsf/Content/mrff

Australia is also acknowledged internationally as a location of choice for high quality, safe clinical trials. Under the MRFF Australia is increasing public investment in clinical trial activity and research capacity to ensure Australia is at the forefront of testing, translation and commercialising new treatments, drugs and devices and remains an attractive location for national and international clinical trial activity.

As part of the Australian Government's 2018-19 Budget, new funding of $42 million over five years was announced from the MRFF to support international clinical trial collaborations to enhance Australia's capability to lead and collaborate on research of global significance as well as bring benefits to Australian patients.

australianclinicaltrials.gov.au

AUSTRALIAN RENEWABLE ENERGY AGENCY

The Australian Government supports investment in clean energy innovation through the Australian Renewable Energy Agency (ARENA). ARENA was established to improve the competitiveness of renewable energy technologies, and increase the supply of renewable energy in Australia.

ARENA provides grant funding to researchers, innovators and businesses for renewable energy projects that bring forward innovative ideas and research, assisting them become affordable and commercially viable.

As a member of Mission Innovation, Australia has pledged to double government clean energy research and development expenditure on 2015 levels by 2020. ARENA contributes to this goal by providing Research and Development grants, as well as funding opportunities for Australian scientists to work with colleagues from other countries.

For example, ARENA's $5 million International Engagement Program aims to forge international collaborations between Australian scientists and industry experts and their international counterparts leading research, development, demonstration and deployment efforts overseas.

arena.gov.au

COOPERATIVE RESEARCH CENTRES PROGRAM

The Cooperative Research Centres (CRC) Program supports industry-led and outcome-focused collaborative research partnerships. There are two streams of funding under the program: CRCs and CRC Projects (CRC-Ps). CRCs are long term collaborations of up to 10 years with no maximum limit to funding. CRC-Ps are short-term collaborations of up to three years with a maximum of $3 million in funding.

CRCs and CRC-Ps commonly collaborate with industry, universities and research institutions; businesses from multinational corporations to small and medium enterprises; governments at all levels; not-for-profit organisations and community associations. The CRC Program has strong international collaborations with many international participants.

business.gov.au/crc

CENTRE FOR DEFENCE INDUSTRY CAPABILITY

The Centre for Defence Industry Capability (CDIC) supports Australian businesses entering or working in the defence industry. CDIC advisers help businesses navigate the defence market, provide specialist advice on improving competitiveness and accessing global markets, and facilitate connections with other businesses and Defence.

The CDIC's innovation facilitation team links Australian innovators and researchers to the Defence Innovation Hub and the Next Generation Technologies Fund, and facilitates international collaboration on defence innovation.

business.gov.au/centre-for-defence-industry-capability

RURAL RESEARCH AND DEVELOPMENT CORPORATIONS

Rural research and development (R&D) corporations are the Australian Government's main vehicle for funding rural innovation. R&D corporations are a partnership between the government and industry created to share the funding and strategic direction setting for primary industry R&D investment and adoption. The R&D corporations commission and manage targeted investment in research, innovation, knowledge creation and extension. They include corporations devoted to the grains, horticulture, wine, sugar, cotton, red meat, pork, egg, dairy, wool, fisheries and forestry industries, as well as other industries covered by the Rural Industries R&D Corporation, now trading as AgriFutures Australia.

agriculture.gov.au/ag-farm-food/innovation

Global Innovation Linkages

The Global Innovation Linkages program supports Australian businesses and researchers to collaborate with global partners on strategically focused, leading-edge research and development projects. It supports projects focused on developing high quality products, services or processes that respond to industry challenges, with funding of up to $1 million per grant over a maximum period of four years.

business.gov.au/GIL

Global Connections Fund

The Global Connections Fund supports global SME-to-researcher collaborations to enable viable projects to grow and test commercialisation in industries of strategic growth in Australia.

There are two types of grants under the Fund:

- **Priming Grants** – grants of $7,000 to enable Australian SMEs and Australian researchers to meet and collaborate with international partners to further develop their ideas.
- **Bridging Grants** – grants of up to $50,000 designed as seed funding capital to enable viable projects to grow in scope and scale, test commercialisation and proof-of-concept activities.

globalconnectionsfund.org.au

Regional Collaborations Programme

The Regional Collaborations Programme assists Australian researchers and businesses to build strong linkages in the Asia-Pacific region by funding multi-partner science, research and innovation activities that deliver innovative solutions to shared regional challenges. These activities will, in turn, reduce collaboration barriers and promote an open approach to science, research and industry collaboration throughout the Asia-Pacific.

Funding support is available for single or multi-year collaborative projects, as well as collaborative workshops.

science.org.au/regional-collaborations-programme

AUSTRALIA-CHINA SCIENCE AND RESEARCH FUND

The Australia-China Science and Research Fund (ACSRF) supports strategic science, technology and innovation collaboration of mutual benefit to Australia and China. The ACSRF builds critical mass in areas of strategic priority and supports enduring partnerships between Australian and Chinese researchers.

The ACSRF facilitates activities that encourage the application and commercialisation of research outcomes to the mutual benefit of both countries and provide early career researchers the opportunity to gain relevant Australia-China research experience.

science.gov.au/acsrf

AUSTRALIA-INDIA STRATEGIC RESEARCH FUND

The Australia-India Strategic Research Fund (AISRF) helps Australian researchers from public and private sectors to participate with Indian scientists in leading-edge scientific research projects and workshops. The AISRF increases collaboration between Australian and Indian researchers and builds longer-term alliances between Australian and Indian research organisations.

The AISRF supports collaborative projects, targeted workshops and early and mid-career research fellowships.

science.gov.au/aisrf

Investing in Australian startups and businesses

The Australian Government has put in place a range of programs to help Australian businesses, startups and entrepreneurs take their ideas to the world and attract investment from international partners, including under the National Innovation and Science Agenda. Australia's Industry Growth Centres are playing a key role in this work, linking in to global supply chains and facilitating investment in new technologies and ways of doing business.

Australia is also seeking to attract top entrepreneurs, innovators and investors through its visa and tax arrangements.

LANDING PADS

As part of Australia's Global Innovation Strategy, Austrade operates Landing Pads in Berlin, San Francisco, Shanghai, Singapore and Tel Aviv.

Landing Pads provide market-ready Australian startups and scaleups with access to some of the world's most renowned innovation and startup ecosystems. This initiative enables startups to rapidly fine-tune their pitch, identify partners, customers and investors, and access global markets.

The Landing Pads also provide an easy access point for international partners seeking to invest in Australian ideas and technologies.

australiaunlimited.com/landing-pads

INCUBATOR SUPPORT PROGRAM

Incubators help innovative startups to rapidly transform their ideas into globally competitive businesses by providing mentorship, funding, resources, knowledge and access to business networks. The Incubator Support Program is helping new and existing incubators in Australia to expand their services, mature their innovation ecosystems and develop new incubators in regions or sectors with high potential.

The program also supports incubators to bring in top quality research, managerial and technical talent by seconding national or international expert advisers, in order to assist Australian startups improve their chance of commercial success in international markets.

business.gov.au/assistance/incubator-support

ACCELERATING COMMERCIALISATION PROGRAMME

The Accelerating Commercialisation programme provides expert guidance, connections and financial support to assist small and medium businesses, entrepreneurs and researchers to find the right commercialisation solutions for their novel product, process or service.

An important feature of Accelerating Commercialisation for international investors is the creation of a portfolio of Australian businesses that are undertaking early stage commercialisation activities. The portfolio provides its members with visibility and credibility for investors, other entrepreneurs, domain experts, supply chains and strategic corporations.

business.gov.au/assistance/accelerating-commercialisation

VISAS FOR INNOVATION

The Global Talent Scheme is a 12-month pilot from 1 July 2018 to attract highly-skilled global talent to work in Australia. Established businesses and technology-based and STEM-related startup businesses will be able to enter into agreements with the Australian Government to allow them to sponsor highly-skilled workers for a four year Temporary Skill Shortage visa, with permanent residence applications available after three years.

A separate pilot commencing in 2018 attracts foreign entrepreneurs to take forward innovative ideas and launch seed-stage startups. This pilot will initially commence in South Australia, ahead of its national rollout in 2019.

homeaffairs.gov.au/visasforinnovation

BUSINESS INNOVATION AND INVESTMENT PROGRAMME

Australia's Business Innovation and Investment Programme is designed to increase entrepreneurial talent and diversify business expertise in Australia. There are a number of visa classes with specific streams, including the:

- Entrepreneur stream: for people who have a funding agreement from a third party to undertake a complying entrepreneurial activity that is proposed to lead to either the commercialisation of a product or service in Australia or the development of a business in Australia.
- Business Innovation stream: for people with business skills who want to establish, develop and manage a new or existing business in Australia.
- Investor, Significant and Premium Investor streams: for people who want to make an investment, and maintain business and investment activity in Australia.

homeaffairs.gov.au/about/corporate/information/fact-sheets/27business

BIOMEDICAL TRANSLATION FUND

The Biomedical Translation Fund (BTF) is a $500 million equity co-investment venture capital program designed to support early stage investee companies that are developing and commercialising biomedical discoveries. The government has provided $250 million which has been matched by private sector capital.

The BTF is helping translate biomedical discoveries into tangible products, services and outcomes to deliver long term health benefits and economic outcomes.

While there are stipulations on both the fund managers and eligible investee companies to be Australian-based, the program has provided the opportunity for international investors to participate in the BTF by providing the fund managers with capital for investment.

business.gov.au/btf

OTHER VENTURE CAPITAL PROGRAMS

Equity and early stage finance is crucial for commercialising new ideas and encouraging new startups. Australia is providing incentives to encourage more investment in innovative startups.

The Australian Government has a suite of venture capital programs such as the:

- Early Stage Venture Capital Limited Partnerships (ESVCLP)
  business.gov.au/assistance/venture-capital/early-stage-venture-capital-limited-partnership
- Venture Capital Limited Partnerships (VCLP)
  business.gov.au/assistance/venture-capital-limited-partnerships

These programs provide investors a globally recognised investment vehicle with flow-through tax treatment (i.e. the partnership is not a taxing point) and tax exemptions on their share of the fund's income (under the VCLP program the exemption is limited to non-residents).

There are also tax incentives for individuals investing directly into innovative early stage companies.

Connecting individuals

Collaboration is built on the foundation of personal connections. Without these connections, trustful and impactful international partnerships are not possible. Australia is supporting people-to-people connections through a range of initiatives, including many highlighted in earlier sections of this document.

AUSTRALIA GLOBAL ALUMNI ENGAGEMENT STRATEGY 2016-2020

The Australia Global Alumni Engagement Strategy is promoting connections with and among alumni as they progress through their careers, providing opportunities for professional development, shared research and strengthened business connections.

globalalumni.gov.au

AUSTRALIA AWARDS

Australia Awards offer prestigious international scholarships and fellowships to emerging leaders for study and professional development in Australia and the region so they can return home and contribute to their nations' development. They provide opportunities for people from developing countries, particularly those in the Indo-Pacific, to undertake undergraduate or postgraduate study at participating Australian universities and Technical and Further Education (TAFE) institutions.

australiaawards.gov.au

ENDEAVOUR LEADERSHIP PROGRAM

The Endeavour Leadership Program (ELP) is the Australian Government's two way mobility program for short and long term study, research and professional development with Australia's priority partner countries. The ELP supports Australia's first *National Strategy for International Education 2025*. The Strategy sets out a 10 year plan for developing Australia as a global leader in education, training and research, through making transformative partnerships, and expanding student, education and training professional and research mobility.

The ELP provides opportunities for established and emerging leaders to undertake a global mobility experience within their study, research or professional field. Endeavour Leaders will have the opportunity to build enduring international networks, strengthen education and research engagement between Australia and priority countries, and enhance Australia's commercial success and economic prosperity. There are two different funding opportunities with differing financial benefits - one for Recipient Institutions and one for Individual Endeavour Leaders.

internationaleducation.gov.au/endeavour

NEW COLOMBO PLAN

The New Colombo Plan (NCP) is a signature foreign policy initiative, which aims to lift knowledge of the Indo-Pacific in Australia by supporting Australian undergraduates to live, study and undertake internships and other work-based learning in 40 locations across the region.

Private sector partnerships are central to the program's success, assisting NCP scholars and mobility grant recipients to have meaningful work-based experiences in the Indo-Pacific. In addition to sponsorship by businesses and program promotion by NCP Business Champions (32 CEOs and business leaders), over 300 private sector organisations, including research institutions and businesses, are registered on the NCP Internships and Mentorships Network, offering around 400 opportunities to NCP students.

dfat.gov.au/people-to-people/new-colombo-plan

QUESTACON – THE NATIONAL SCIENCE AND TECHNOLOGY CENTRE

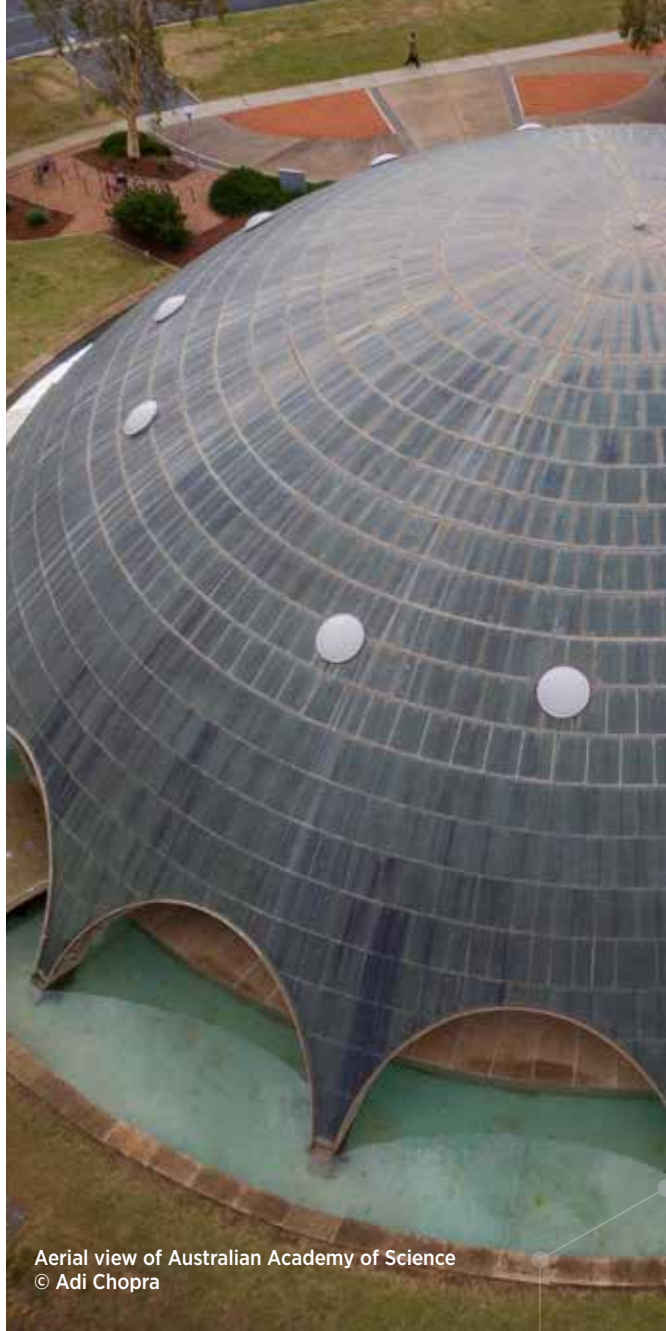
A division of the Department of Innovation, Industry and Science, Questacon has developed a reputation for excellence and leadership in informal science engagement and education. Through knowledge partnerships and mentoring within the global science-centre community, Questacon has developed and delivered science engagement programs internationally for many years. These programs build local capacity in the countries in which they are delivered, developing skills and sharing best practice initiatives with local educators, researchers and policy makers.

questacon.edu.au

AUSTRALIAN LEARNED ACADEMIES

Australia's Learned Academies play a critical role in promoting international engagement and providing opportunities for researchers and innovators to connect with counterparts globally:

- Australian Academy of Science – science.org.au
- Australian Academy of Technology and Engineering – atse.org.au
- Australian Academy of Social Sciences – assa.edu.au
- Australian Academy of Humanities – humanities.org.au
- Australian Academy of Health and Medical Sciences – aahms.org



Aerial view of Australian Academy of Science
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