

EMPOWERING AUSTRALIAN RESEARCHERS THROUGH SEAMLESS ACCESS TO NATIONAL AND INTERNATIONAL RESEARCH INFRASTRUCTURE

AUSTRALIAN
ACCESS FEDERATION
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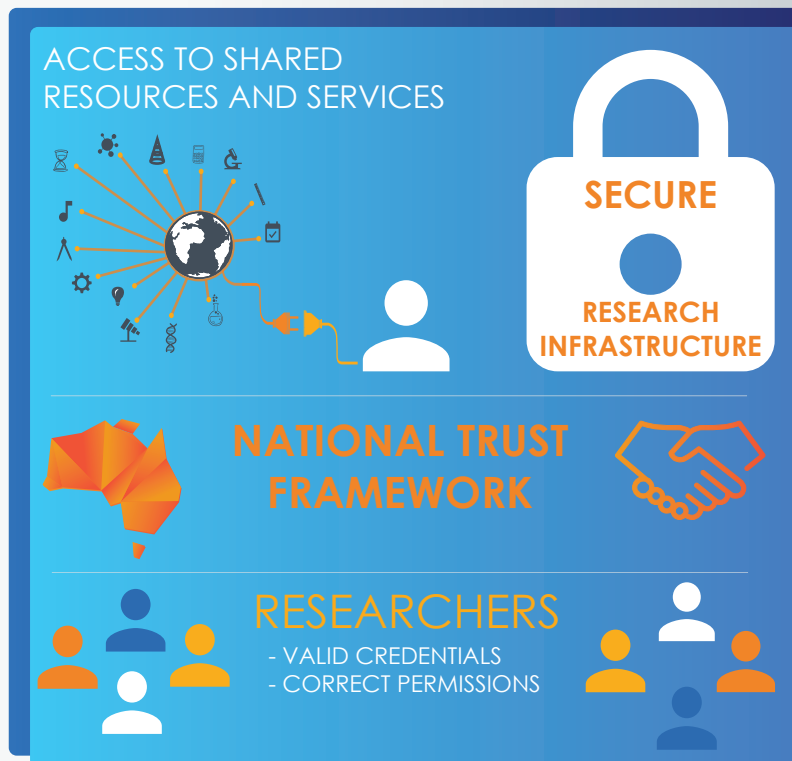
The Australian Access Federation (AAF) is Australia's identity federation and part of a global network of over 61 federations around the world. It is globally recognised as a world leader in enabling researchers to securely access Australia's National Research Infrastructure as well as global research infrastructure and collaborations.

NATIONAL RESEARCH COLLABORATION

AAF allows Australian researchers to use their existing institutional credentials as part of a safe and secure single sign-on environment, allowing seamless access to shared resources and services without additional usernames and passwords. These resources are hosted at over 40 universities and 11 research organisations in Australia, with the AAF providing the trust framework that allows researchers to conduct their research across institutional and organisation boundaries in a secure and simplified way.

The AAF also makes the job of accessing national research infrastructure easier by taking away the need for the National Collaborative Research Infrastructure Strategy (NCRIS) capabilities to manage identities within their systems. This allows research infrastructure providers to focus on the job of building and operating world-leading research infrastructure domains.

AAF membership also enables students, academics and professional staff within Australian universities to use their trusted credentials to access administrative systems, learning environments, teaching and learning resources and educational discounts in support of their studies and work within the Australian research and higher education environment.



INTERNATIONAL RESEARCH COLLABORATIONS

Researchers can easily collaborate and access global research infrastructure enabled via eduGAIN, an international initiative which enables access to international research services. The AAF currently chairs the global eduGAIN working group to continue to advance this initiative. Once eduGAIN is enabled Australian and international researchers simply use their home institution login details to access research infrastructure in other countries making collaboration with their international peers streamlined. It also allows NCRIS and other Australian research infrastructure providers to simplify access allowing international researchers access to Australian infrastructure in a safe, secure and trusted environment.

DIGITAL IDENTIFIER FOR RESEARCHERS

ORCID (Open Researcher and Contributor ID) provides researchers with a unique identifier for linking their research outputs and activities. An ORCID ID disambiguates an individual researcher and connects their work throughout their research career. ORCID is becoming an international standard that is being integrated into research systems for funders, publishers and universities.

The AAF operates the Australian ORCID Consortium which provides a national approach to ORCID adoption and integration. Through the Consortium model, the Australian research community can maximise the benefits for organisations and access national support and resources.

Over 120 000 ORCID IDs have been registered in Australia, with both the NHMRC and ARC requesting ORCID as part of their grant application process.

120 000+
ORCID IDs REGISTERED



EMPOWERING AUSTRALIAN RESEARCHERS

National researchers collaborate to model effects of climate change on biodiversity

The Biodiversity Climate Change Virtual Lab (BCCVL) is one of the most accessed services via the AAF. Prof. Brendan Mackey, Director of the BCCVL at Griffith University states that the BCCVL provides a "cutting edge cloud platform with a wide array of pre-modelling and post-modelling analytical tools".

BCCVL has almost 4000 users from around the world, including Australian universities, research organisations and government agencies and has progressed beyond the academic domain into real world applications.

Enabled by the AAF, researchers and research organisations can perform data analysis and modelling using the BCCVL with their organisational log in details. The Federation, "facilitates the use and uptake of the system and people's access to it" said Prof. Mackey.

The Murchison Widefield Array (MWA) is one of Australia's leading radio telescopes enabling astronomers from around the world to explore the universe.

Global collaboration is integral to the success of the MWA and researcher outputs. To ensure seamless and secure collaboration the MWA has connected to eduGAIN. The AAF through its connection with eduGAIN have made it possible for global facilitates to share research services and tools with over 50 federations around the world.

The MWA Director, Professor Melanie Johnston-Hollitt, said, "the eduGAIN connection is a vital service for an international collaboration like the MWA making it simple for our team of global researchers to access data from the telescope". Connecting the MWA to eduGAIN not only enhances and accelerates innovation in astrophysics, it enables borderless research.

International researchers can now map the universe with Murchison

1.4M
USERS

100+
ORGANISATIONS

230+
NATIONAL
SERVICES

200+
INTERNATIONAL
SERVICES

AAF CONNECTIONS