



# Memberships

**An innovative, economical and trusted service enabling researchers to access large-scale cloud computing, data storage and data collections, as well as training and consulting services to facilitate research and collaboration.**

**QCIF provides multi-tiered membership to research organisations, government and industry to enable better access to services to support research without the need to independently invest in expensive infrastructure and resources.**

Benefits of QCIF Membership include:

- Access to on-demand computation
- Access to specialised and high-performance compute services
- Guaranteed allocation of in-person and online digital skills training
- Secure data storage and access control
- Simplified sharing of data and resources with collaborators worldwide
- Access to data collections shared by other researchers, institutions, government and industry
- Accessing, creating and running online digital research services
- Access to bioinformaticians and statisticians to assist with every stage of the research lifecycle
- Access to skilled eResearch Analysts for help and support.

## QCIF Membership

QCIF's tiered membership structure enables both large and small organisations to take full advantage of the services leading research institutions have come to expect, without the need to manage considerable CAPEX and OPEX budgets. QCIF can assist organisations seeking to utilise R&D tax benefits to fund research. QCIF can provide:

- › Assistance with grant funding structures and application
- › Customised digital skills training
- › Software tools and development services
- › Specialised compute and integrated data storage
- › Access to a network of research organisations
- › Domain specialist advice

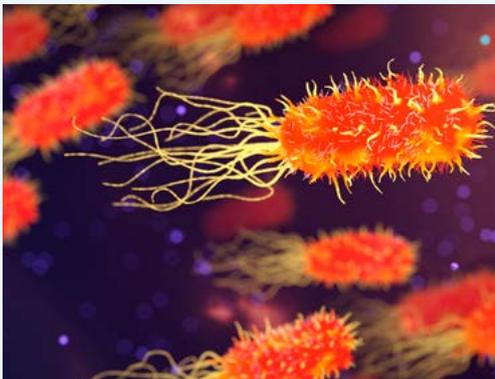
## Case Studies



IMAGE: CQUNIVERSITY

### DataMuster: Increasing the profitability of Australia's cattle industry

CQUniversity-developed DataMuster integrates on-farm weigh scales, which capture the daily weights of cattle as they walk to water troughs, and sophisticated analysis systems to deliver real-time information about individual animals and infrastructure, direct to a mobile app. DataMuster automates the process of collecting daily information on every animal on a property so farmers can make informed decisions to improve cattle genetics, cattle management and supply chain management. Data is automatically analysed on the farm using Raspberry Pi units and transmitted to QCIF, which hosts the data and provides the server to run the app.



### Microbial Genomics Lab: Investigating multi-drug resistant superbugs and bacterial outbreaks

The University of Queensland's Microbial Genomics Lab (Beatson Lab) previously relied on in-house IT hardware to run bioinformatics analyses, which require high-performance compute environments. However, increased computational demands, and associated administrative overheads, led the lab's team to seek alternatives to obtaining and maintaining their own expensive HPC hardware. With QCIF's on-demand and scalable resources, the lab is supported in a flexible manner that deals with changes in requirements across studies, ranging from smaller pilots to large-scale analyses.

Read these case studies in full [qcif.edu.au/about-us/research-impact](http://qcif.edu.au/about-us/research-impact)

## About QCIF

QCIF delivers data-intensive digital services, accelerating research, innovation and applications.



### Members



### Supported by



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