The Australasian Computational and Simulation Commons

The place for researchers to store, share, and discover molecular simulation data

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Australian Research Data Commons

THE UNIVERSITY OF QUEENSLAND
AUSTRALIA

NCRIS National Research Infrastructure for Australia
An Australian Government Initiative

What is the ACSC?

A **molecular simulation data repository** created by a network of Australian computational chemistry researchers.

What kind of data is in the ACSC?

With its **flexible data format**, the repository is able to accept and serve data ranging from **initial configurations** to **full trajectories** from a range of simulation engines.

Who can access the ACSC?

The ACSC is **freely available** to all users. Users can upload and manage datasets after logging in with their Australian institutional credentials, with **no registration required**.

What can I do using the ACSC?

Store high-value molecular simulation data, freeing up local storage space and providing insurance against data loss.

Share simulation results with researchers around the world on a platform that can be linked to in both correspondence and publications using DOIs.

Discover datasets by system composition, research group, theme, force field, simulation engine, and more using flexible tags and search filters.

Discuss individual datasets with other researchers through our integrated discussion platform.

How can I visit the ACSC?

The ACSC can be accessed at **molecular-dynamics.atb.uq.edu.au**

How can I upload to the ACSC?

If you would like to get your research group listed as an ACSC organisation and begin uploading datasets, please contact Sharif Nada **s.nada@uq.edu.au** or Martin Stroet **m.stroet@uq.edu.au**.

How can I partner with the ACSC?

If you would like to discuss potential technical or scientific partnerships between your organisation and the ACSC, please contact Alan Mark **a.e.mark@uq.edu.au**.