



Strategic Opportunity 7



Bring together a collective to lay the foundations for successful digital transformation

Technology is changing the way people live, work and relate to one another. Some of these 'new technologies' present opportunities for fishing and aquaculture to easily combine and analyse data to make decisions that reduce costs and increase benefits. Falling technology costs are making broadscale adoption of advanced analytics in Australian fishing and aquaculture more affordable. Increased collaboration across sectors and industries should also motivate the uptake of advanced analytics across fishing and aquaculture.

Data access for commercial wild catch fishers provides near real-time information on gear performance and efficiency, costs and usage of energy and other inputs, behaviour and distribution of target species, markets and prices. In aquaculture, new technologies already mean that operators can remotely monitor stock health and welfare, feed efficiency, disease incidence and responses of fish to medicine and treatment.

FRDC is investing in initiatives to improve the discoverability and sharing of fisheries and aquaculture data.

These include:

- The Australian Agricultural Data Exchange (AADX; Project 2022-197), an agrifood industry initiative to enable participants to share, reuse and merge data from disparate systems in a secure, permissioned environment. Funding from the Department of Agriculture, Fisheries and Forestry and Research Development Corporations will build the platform. Procurement planning is underway
- "Increasing food security through liberation of fishing and aquaculture data" (Project 2022-176), that seeks to develop a national fisheries and aquaculture data catalogue, ingestion and storage system to ensure information is discoverable, accessible, interoperable and reusable. This project received investment from the Australian Research Data Commons (ARDC).

