

Dam area, volume and evaporation from RS/EO

Irrigated agriculture plays an essential role in global food supply. Poor water resource management threatens its long-term sustainability. Accurate information is essential.

Farm dams and distribution channels lose a significant amount of water due to evaporation and seepage, yet little is known about how much exactly. Studies have shown that about 40% of the storage is lost due to evaporation.

Our Services

We offer an inexpensive, fast and scalable approach to monitor farm dam and distribution channel water balance at the catchment scale with a scientifically based method. This includes:

- Dam and channel area and volume estimation.
- Dam surface evaporation
- Dam seepage
- Rainfall falling on dams, using gauge adjusted Radar rainfall data

Your Benefits

- In season and historic information
- Assessment of changes
- Improve water productivity and sustainability. Reducing such losses can have a positive impact on water availability, use, productivity, sustainability, and cost
- Improve economic value analysis of evaporation losses and the Benefit Cost Ratio different mitigation technologies

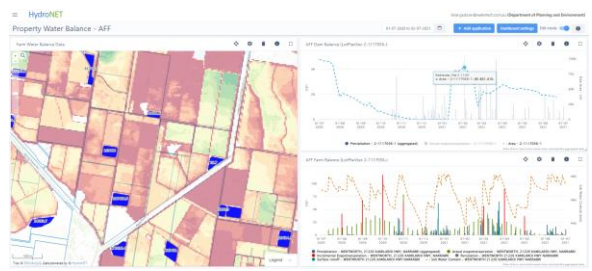
Water Technology

Water Technology provides expert insight and practical solutions for surface water, groundwater, coastal and environmental challenges.


We employ digital water information systems to provide the right data at the right time to the right people. This encompasses a range of use cases.

Our WISER tools, built on the HydroNET platform, combine various available data sources and add value through analysis and modelling. Outputs are displayed on flexible web dashboards that can be customised for different users and specific use cases.


www.watertech.com.au




A WaterSENSE Service



COPERNICUS



MURRAY-DARLING BASIN



LOCAL IMPACT

WaterSENSE offers Water Managers and Growers a comprehensive and easy-to-use Water Management Toolbox with a variety of up-to-date information for operational water management. For more information about our Services and Subscription models, go to www.watersense.eu