

Towards a Water Data Infrastructure for New Zealand

10 - 11 April 2018

9 am – 5 pm

A workshop to be held at the
University of Canterbury,
Christchurch

Rm: ER 140, Ernest Rutherford Science Centre

No charge for attendees



A comprehensive data framework for water resource assessment is required to develop solution strategies to address the ongoing decline in New Zealand's water systems.

The Waterways Centre for Freshwater Research is currently running a post-graduate course on “Data Integration to Support Water Modelling” taught by **Professor David Maidment** of the University of Texas at Austin. The course will culminate in a two-day workshop to explore how we can build on the existing water data infrastructure, including the national synthesis of regional council water flow and quality data that underpins Land Air Water Aotearoa (LAWA), and NIWA’s Digital River Network of New Zealand. These two assets form a foundation of water data in time and space that supports the modelling of water flow and quality on a regional and potentially on a national basis.

The workshop will be in two parts:

- **April 10 – Water Data: Monitoring and Mapping**– A review of the current state of water data in time and space, and identification of next steps in developing New Zealand’s water data infrastructure for monitoring and mapping information.
- **April 11 – Water Data: Modelling and Management** – An investigation of how comprehensive hydrologic modelling for surface water and groundwater can be achieved on a regional and national scale, and how this can support water resource management.

The program will run from 9am to 5pm each day and include; keynote, student and technical presentations as well as workshop discussions and concept syntheses. Those wishing to attend should contact **Suellen Knopick** at the Waterways Centre to register (suellen.knopick@canterbury.ac.nz).