Free online access to water modelling tools and information

The eWater Toolkit is for researchers and professionals involved in land and water management or related research and development. It's free to sign up to the eWater Toolkit.

The eWater Toolkit is a web-based distribution point for hydrological, ecological and catchment management models and databases. It contains the popular tools RAP, RRL, Aquacycle, CLASS and SedNet and many others, as well as information on TIME (The Invisible Modelling Environment), a code-base and algorithm library.

These tools help predict the multiple impacts of land and water management decisions across a whole catchment. They are designed for analysis of catchments, rivers, terrain, ecological response, urban water, vegetation as well as water quality and quantity. The tools have been developed by eWater and our forerunner Cooperative Research Centres, and they are upgraded or replaced as new versions become available.

eWater offers a range of training for our tools. Our tools are also supported by documentation, and electronic discussion groups where users share tips and trouble-shooting advice. More information is available by visiting the eWater Toolkit.

How it works

Each tool has a home page providing detailed technical information on it. User manuals, tool publications and worked examples can also be accessed. Each tool also has a dedicated forum where you can discuss issues related to that tool. You can post to a forum if you have a problem, or even if you just want to know how other people are using the eWater Toolkit tools.

Tools available for download

- RAP - River Analysis Package
  RAP is designed to help river managers make condition assessments, plan environmental flows, and design river restoration.
- RRL - Rainfall Runoff Library
  RRL models catchment runoff by using daily rainfall and evapotranspiration data. The modelled catchments can be anything from 10 km^2 to 10,000 km^2 in size.
- Aquacycle
  Aquacycle is a tool designed specifically for total urban water balance modelling. It allows you to make preliminary assessment of the performance of water system designs, whether conventional or innovative.
- CLASS - Catchment-scale multiple-Landuse Atmosphere Soil-water and Solute-transport model.
  CLASS is a physically-based framework for predicting land-use effects at paddock scale as well as for whole hillslopes or catchments. The CLASS framework includes a number of modelling tools for simulating soil-water and solute movement, and pasture and crop growth, in relation to climate.
- SedNet
  SedNet constructs sediment and nutrient budgets for river networks, to identify the flows of materials. SedNet lets you make informed decisions about catchment activities, to improve water quality and riverine habitat in rivers.
- And more – visit www.toolkit.net.au

Want to know more?

Find out more at www.toolkit.net.au

Sales, support & training

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