eWater Applications

Participants Forum & Guests

17 November 2010
Being released in standard configurations

…or customised to meet specific needs
Integrated modelling system (IMS) for rural and urban water management
Freeware - utility models for specialists

www.toolkit.net.au

Nearly 10,000 users across 122 countries
eWater Toolkit

Urban Developer  Concept
Eco Modeller  Water Quality Analyser
eFlow Predictor  Eco Tools
CRC research highlights

Urban

- Understanding of trade-offs between robustness and efficiency of possible management responses to climate change (Kuczera et al)
- Efficacy of optimisation algorithms used in tools (Dandy et al)
- Risk assessment framework developed as part of ACT Focus Catchment (Blackmore et al)

Ecology

- Major papers: Wade Hadwen et al., Angela Arthington et al.
- Estuarine response models (Halliday, Ferguson et al)
- Progress on population model: (Bond et al)
  
  Rates of extinction, recovery = fn (waterhole refugia dynamics, dispersal capability of biota)
CRC research highlights

River Systems:

- Groundwater surface water interactions (GSWIT) (Jolly et al)
- Catchment water yield estimations (CWYET) (Chiew et al)

Catchments and climate:

- Temporal downscaling of sediment and nutrient transport algorithms (Wilkinson)
- The effects of catchment vegetative cover on yield (Western et al)
- A new solute transport model has been investigated (Cook et al)
- Procedures for estimating pesticide loads have been investigated (Cook et al)
Product Life Cycle

1. Conceive & Plan: Establishing and defining products and investment decisions.
2. Research & Build: Researching building and modeling components of product functionality.
3. Integrate & Assemble: Integrating software components into a functioning prototype.
4. Apply & Modify: Validating Beta products through real world application or otherwise (e.g., in focus catchments).
5. Launch & Distribute: Products are distributed through appropriate channels according to product release policy.
6. Use & Support: Supporting partner adoption of products in real world context.
7. Benefit Realisation: Evaluating and monitoring the benefits delivered from partner adoption of products.
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