

## Supporting Papers for Urban Developer v1

The following is a list of papers and publications supporting the key concepts behind Urban Developer v1:

Cui, L., Thyer, M., Coombes, P. and Kuczera, G. (2008). 'A Stochastic Model for Identifying the Long Term Dynamics of Indoor Household Water Uses.' Water Down Under, 14-17 April 2008, Adelaide, Australia.

Hardy, M. J., Jefferson, C., Coombes, P. J., & Kuczera, G. (2003). 'Integrated Urban Water Cycle Management: Redefining the Boundaries.' Paper presented at the 28th International Hydrology and Water Resources Symposium, Wollongong, NSW.

Hardy, M. J., Coombes, P. J., & Kuczera, G. (2004). 'An investigation of estate level impacts of spatially distributed rainwater tanks.' Paper presented at the International Conference on Water Sensitive Design, Cities as Catchments, Adelaide, Australia.

Hardy, M. J., Kuczera, G., & Coombes, P. J. (2005). Integrated urban water cycle management: the UrbanCycle model. *Water Science & Technology*, 52 (9), 1-9.

Hardy, M. J., Kuczera, G., & Coombes, P. J. (2006). 'Embedded Hierarchical Network Modelling: A Means to Integrate Across Scales and Systems.' Paper presented at the 7th International Conference on Urban Drainage and 4th International Conference on Water Sensitive Design, Melbourne, Australia.

Hardy, M.J. (2009). 'Integrated Urban Water Management and the urbanCycle Modelling Framework.' PhD Thesis, University of Newcastle.

Hardy, M. J., Kuczera, G., Coombes, P. J., Barbour, E., & Jurd, K. (2007). 'An Evaluation of the Performance of the application of the urbanCycle Model to a Gauged Urban Catchment.' Paper presented at the 2007 Conference on Rainwater and Urban Design, Sydney, Australia.

Micevski, T., Thyer, M., and Coombes, P. (2009). 'Evaluation of a behavioural approach and a regression approach for the modelling of household-scale outdoor water use.' 32nd Hydrology and Water Resources Symposium, 30 November – 3 December 2009, Newcastle, Australia.

Micevski, T., Thyer, M., Kuczera, G. (2011). 'A Behavioural Approach for Household Outdoor Water Use Modelling.' Paper submitted to *Water Resources Research* (April 2011).

Snowdon, D., Hardy, M.J., and Rahman, J.M. (2011). 'Urban Developer: A model architecture for manageably building urban water cycle models spanning multiple scales.' Paper presented at MODSIM, Modelling and Simulation Society of Australia and New Zealand, December 12 - 16 2011, Perth.

Thyer, M.A., Duncan, H., Coombes, P., Kuczera, G. and Micevski, T. (2009). 'A Probabilistic Behavioural Approach for the Dynamic Modelling of Indoor Household Water Use.' 32nd Hydrology and Water Resources Symposium, 30 November – 3 December 2009, Newcastle, Australia.

Thyer, M., Hardy, M. J., Coombes, P. J., & Patterson, C. (2007). The Impact Of End-Use Dynamics On Urban Water System Design Criteria. *Australian Journal of Water Resources*, 12 (12).

Thyer, M., Micevski, T., Kuczera, G., and Coombes, P. (2011). 'A Behavioural Approach to Stochastic End Use Modelling.' Paper presented at Oz Water, 9-11 May 2011, Adelaide.

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