

Creating Futures



Creating Futures was a four-year (2006-2010) Government-funded multi-disciplinary research programme led by Waikato Regional Council involving a number of partners (see above) with expertise in economic, social, environmental and computer programming and modelling fields. It aimed to develop and apply planning and communication tools to make informed choices for the future.

List of Reports and Publications *(updated January 2012)*

All programme outputs (reports, conference presentations, papers, workshop notes etc) are available from the programme website (www.creatingfutures.org.nz).

Publications and Reports (peer-reviewed journals)

- Huser, B., D.T. Rutledge, H. van Delden, M.E. Wedderburn, M. Cameron, S. Elliott, T. Fenton, J. Hurkens, G. McBride, G. McDonald, M. O'Connor, D. Phyn, J. Poot, R. Price, B. Small, A. Tait, R. Vanhout and R.A. Woods (2009). Development of an integrated spatial decision support system (ISDSS) for Local Government in New Zealand, In Anderssen, R.S., R.D. Braddock and L.T.H. Newham (eds) 18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation. Modelling and Simulation Society of Australia and New Zealand and International Association for Mathematics and Computers in Simulation, July 2009, pp. 2370-2376. ISBN: 978-0-9758400-7-8. <http://www.mssanz.org.au/modsim09/F12/huser.pdf>
- Huser, B. (2011). Integrated Spatial Planning. Geomatica Special Issue, Vol.65, No.3, pp.9-14. <http://pubs.cig-acsg.ca/doi/abs/10.5623/cig2011-042>
- McIntosh B S, Ascough II J C, Twery M, Chew J, Elmahdi A, Haase,D, Harou,J, Hepting D, Cuddy S, Jakeman AJ, Chen S, Kassahun A, Lautenbach S, van Delden H, et al. Environmental decision support systems (EDSS) development – Challenges and best practices (*in press*). Environmental Modelling and Software.
- Rutledge D, Wedderburn L and Huser B (2009). Creating futures: integrated spatial decision support systems for Local Government. In: Hatched : the capacity for sustainable development / edited by Bob Frame, Richard Gordon and Claire Mortimer.ISBN 978-0-473-16123-1 (internet)—ISBN 978-0-473-16124-8 (pbk.). http://www.landcareresearch.co.nz/services/sustainablesoc/hatched/documents/hatched_section1.pdf .
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- Rutledge D. et al.: WISE: Waikato Integrated Scenario Explorer, Version 1.1.0 Technical Specification Report (June 2010), WRC doc #1686550.

- Van Delden, H. (2009). Lessons learnt in the development, implementation and use of Integrated Spatial Decision Support Systems, In Anderssen, R.S., R.D. Braddock and L.T.H. Newham (eds) 18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation. Modelling and Simulation Society of Australia and New Zealand and International Association for Mathematics and Computers in Simulation, July 2009, pp. 2922-2928. ISBN: 978-0-9758400-7-8.
http://www.mssanz.org.au/modsim09/H3/vandelden_H3.pdf
- Van Delden, H. and Hagen-Zanker, A. (2009). New ways of supporting decision making: linking qualitative storylines with quantitative modelling, In: Geertman, S. & Stillwell, J.C.H. (Eds.), Best Practice and New Methods in Planning Support Systems, GeoJournal Series, volume 95, Springer, Dordrecht.
<http://www.springer.com/geography/human+geography/book/978-1-4020-8951-0>
- Van Delden, H., D. Phyn, T. Fenton, B. Huser, D.T. Rutledge and L. Wedderburn (2010). User interaction during the development of the Waikato Integrated Scenario Explorer. International Environmental Modelling and Software Society (iEMSs), 2010 International Congress on Environmental Modelling and Software Modelling for Environment's Sake, Fifth Biennial Meeting, Ottawa, Canada David A. Swayne, Wanhong Yang, A. A. Voinov, A. Rizzoli, T. Filatova (Eds.).
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- Volk, M., Lautenbach, S., Van Delden, H., Newham, L.T.H., Seppelt, R. (2010). How can we make progress with decision support systems in landscape and river basin management? Lessons learned from a comparative analysis of four different decision support systems. Environmental Management, volume 46, p.834-849.
- Wedderburn, M E, B Small, M O'Connor, T Barnard, D T Rutledge, B Huser, U Trebilco, D Hood and M Butler (2009). Combining systems thinking with a qualitative stakeholder process: a case study in regional fragmentation in New Zealand. Integrated Agricultural Systems: Methodologies, Modelling and Measuring, In: Aspects of Applied Biology 93-98 (2009).

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- Environmental Management Services: Waikato Region Land Use/Zoning Matrix (November 2009), WRC doc #1589639.
- Hedwig van Delden, Jelle Hurkens, Yu-e Shi, Roel Vanhout and Jasper van Vliet, 2011. *WISE – Waikato Integrated Scenario Explorer, User Manual (Version 1.2.0)*. Report produced for Waikato Regional Council. Published by WRC, Hamilton, June 2011 (WRC doc #2012288).

- Hedwig van Delden et al.: WISE User Manual Version 1.1.0 (June 2010), WRC doc #1583896.
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- Kate Delaney and Beat Huser (2009). Future Scenarios for the Waikato – revised version (2008), Produced by Delaney and Associates Pty Ltd for the Waikato Regional Council, June 2008 (WRC doc #1364178).
- Kate Delaney: Refresher on horizon scanning and scenario analysis for Environment Waikato (March 2010), WRC doc #1861833.
- Susan Bates: Creating Futures Scenarios: A user guide (June 2010), WRC doc #1734491.
- Steven Kelly; M.E. Wedderburn: Informing decision-making through deliberative approaches: A procedural guideline (June 2010), WRC doc #1778684.
- Valerie Snow: Review of Dairy Model (June 2010), WRC doc #1703651.
- Tony Fenton: Creating Futures: Regional Policy Development Processes - Opportunities for Use of Creating Futures Tools. Alchemists Ltd (March 2010), WRC doc#1626965.
- *Hedwig van Delden: Examples of scenario development – international best practice and lessons learnt (in prep).*
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- Beat Huser, 2010. Creating Futures: developing tools and methods to explore regional sustainability. International Planning Conference and NZ Planning Institute, Christchurch, 20-23 April 2010. http://www.planning.org.nz/Category?Action=View&Category_id=360
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- Beat Huser, 2011. The development and application of the spatial simulation model WISE (Waikato Integrated Scenario Explorer). International Conference on Spatial Planning Practices and Challenges, Valencia, Spain 13-15 June 2011.
- Hedwig van Delden, 2011. Keynote: A generic integrated Spatial Decision Support System for urban and regional planning at this conference. MODSIM, Perth, Australia, 12-16 December 2011. <http://www.mssanz.org.au/modsim2011/delden.html>
- Hedwig van Delden, Garry McDonald and Jaspers Van Vlie, 2010. Integrating macro-economic developments and land use allocations in simulating urban dynamics. Paper presented at the International Conference on managing the Urban Rural interface, 19 – 22 October 2010, Copenhagen, Denmark.