

LIST OF PUBLICATIONS

PEER REVIEWED

Journals

MYŠIAK, J.; SCHWERDTNER, K. and RING, I. (submitted): Comparative Analysis of the Conflicts Between Carp Pond Farming and Protection of Otter (*Lutra Lutra*) in Upper Lusatia and South Bohemia, *Biological Conservation*.

DRECHSLER, M.; GRIMM, V.; MYŠIAK, J. and WÄTZOLD, F (submitted): Differences and similarities between ecological and economic modelling in biodiversity conservation, ESF Workshop on ecologic-economic modelling, *Ecological Economics*.

MYŠIAK J.: Reliability of MCA Methods' Results (in print): a Critical Review, *Journal of Environment and Planning*.

MYŠIAK, J. and SIGEL, K. (in print): Uncertainty in the Economic Analysis According to the WFD; Conference on Uncertainty and Precaution Principle in Environmental Management, *Water Science & Technology*.

NORTON, J.; BROWN, J. and MYŠIAK, J. (in print): To What Extent, and in What Ways, Might Uncertainty Be Defined? *Journal of Integrated Assessment*.

MYŠIAK, J.; GIUPPONI, C. and ROSATO, P. (2005): Towards Development of Decision Support Systems for Environmental Application. *Environmental Modelling and Software* 20 (2005): 203-214.

GIUPPONI, C.; MYŠIAK, J.; FASIO, A. and COGEN, V. (2004): MULINO: Multi-Sectoral, Integrated and Operational Decision Support System for Sustainable Use of Water Resources at the Catchment Scale. *Mathematics and Computers in Simulation* (64): 13-24.

Monographs and chapters in books

MYŠIAK, J. and KOLOKYTHA, E. (2005): Water policies and transboundary water management: an introduction. TRANSCAT Compendium.

van der KEUR, P. and MYŠIAK, J. (2005): Uncertainty assessment and communication. NeWater State-of-the-art report of tools for Integrated Water Resource Management.

MYŠIAK, J. and FARMANI, R. (2005): Decision Support Systems for Integrated Water Resource Management. NeWater State-of-the-art report of tools for Integrated Water Resource Management.

GIUPPONI, C.; FASSIO, A.; FEAS, J. and MYŠIAK, J. (in print): Sustainable water management and decision making. In. Giupponi, C., Jakeman, A., Karssenberg, G. and M.Hare (Eds.) Sustainable Management of Water Resources: an Integrated Approach. (Elgar)

WÄTZOLD, F.; DRECHSLER, M.; GRIMM, V. and MYŠIAK, J. (in print): Ecological-Economic Models for Improving the Cost-effectiveness of Biodiversity Conservation Policies, in "Böhringer, C, Lange, A. (Eds.) Frontiers in Applied Environmental and Resource Economics, Springer, Heidelberg, u.a.

MYŠIAK, J. (2003): Development of Transferable Multi-Criteria Decision Tools for Environmental Management. III. Annals of the Marie Curie Fellows Association, 98-103.

MYŠIAK, J. (2001): Räumliche Entscheidungsfindung mit Hilfe raumbezogener Informationssysteme: Konzepte und Anwendungsmöglichkeiten für geographische Informationen zur Lösung von räumlichen Entscheidungsproblemen am Beispiel der Forstwirtschaft. Dissertation an der Universität Göttingen. [Spatial decision making with GIS: Concepts and application of geographical information for solving of spatial decision problems in forest management. PhD Thesis at the University of Göttingen, Germany]

Articles in conference proceedings

MYŠIAK, J. (2005): Analysis of conflicts between aquaculture and protection of threatened and endangered species: South Bohemian case study. Conference of European Society of Ecological Economics (ESEE) Lisbon in June 14-17.

GIUPPONI, C.; CAMERA, R.; LASUT, A.; MYŠIAK, J. and SGOBBI, A. (2005): Facilitating participatory decision processes in integrated river basin management. Conference of European Society of Ecological Economics (ESEE) Lisbon in June 14-17.

MYŠIAK J. (2005): Decision Support Systems for Integrated Water Resource Management: Value and Success Factors, International Symposium on Environmental Software Systems, Hotel do Mar, Sesimbra, Portugal from May 24 - 27, 2005.

NORTON, J.P., BROWN, J. and MYŠIAK, J. (2005): Uses and Limitations of Uncertainty Assessment in Model-based Decision Support, International Symposium on Environmental Software Systems, Hotel do Mar, Sesimbra, Portugal from May 24 - 27, 2005.

GIUPPONI, C.; MYŠIAK, J. and FASSIO, A. (2004): An Integrated Assessment Framework for Water Resources Management: A DSS Tool and a Pilot Study Application, NOTA DI LAVORO 122.2004, Fondazione Eni Enrico Mattei.

JAKEMAN, A. J. et al. (2004): Outstanding research issues in integration and participation for water resource planning and management, Modelling and control for participatory planning and managing water systems, September 29th -October 1st, 2004, Venice, Italy.

DRECHSLER, M.; GRIMM, V; MYŠIAK, J. and WÄTZOLD, F (2004): Differences and similarities between ecological and economic modelling in biodiversity conservation, ESF Workshop on ecologic-economic modelling, Leipzig, September 2004.

MYŠIAK, J.; SCHWERDTNER, K. and RING, I. (2004): Comparative Analysis of the Conflicts Between Carp Pond Farming and Protection of Otter (*Lutra Lutra*) in Upper Lusatia and South Bohemia, BIOECON – Economics for biodiversity conservation Conference, September, 2-5, 2004, Cambridge, United Kingdom.

MYŠIAK, J.; ROSENBERG, M.; HIRT, U.; HAASE, D.; PETRY, D.; FROTCHER, K. (2004): Uncertainty in Spatial Transformation of the Socio-Economic Data For the Implementation of the Water Framework Directive; EC GI&GIS Workshop – Spatial data Infrastructure, June, 23-25, 2004, Warsaw, Poland.

MYŠIAK, J. and SIGEL, K. (2004): Uncertainty in the Economic Analysis According to the WFD; Conference on Uncertainty and Precaution Principle in Environmental Management, June, 7-9, 2004, Copenhagen, Denmark.

MYŠIAK, J. and SIGEL, K. (2004): Dealing with Uncertainty in River Basin Management: Implications from the Water Framework Directive; in Pahl-Wostl, C., Schmidt, S., Rizzoli, A.E. and Jakeman, A.J. (eds), Complexity and Integrated Resources Management, Transactions of the 2nd Biennial Meeting of the International Environmental Modelling and Software Society, iEMSs: Manno, Switzerland, 2004. ISBN 88-900787-1-5.

MYŠIAK, J; NEWHAM, L. and LETCHER, R. (2004): Integrated Modelling and Decision Making Analysis for Water Quality Management: Ben Chifley Dam Catchment Case Study; International Conference on Transboundary River Basin Management – Contribution of the Transcat project, March, 24-26, 2004, Venice, Italy

DRECHSLER, M.; WÄTZOLD, F.; GRIMM, V. and MYŠIAK J. (2003): Ecological-Economic Modelling as a Tool for the Integration of Ecology and Economics. Ecological

Society Annual Conference 2003 "Biodiversity - from Patterns to Processes", September, 8 – 12, 2003 Halle/Salle, Germany.

MYŠIAK, J. and SLOBODA B. (2003): Multiple Criteria and Explorative Spatial Decision Making. IUFRO Conference on Decision Support for Multiple Purpose Forestry, April, 23-25, 2003, Vienna, Austria.

MYŠIAK, J. (2003): Geographic Information Added Value to Environmental Decision Making. 57th Meeting of European Working Group on Multicriteria Decision Making, March, 27-29, 2003, Viterbo, Italy.

MYŠIAK, J. (2002): Development of Transferable Multi-Criteria Decision Tools for Environmental Management. Maria Curie Workshop on "Developing a Scientific Career", November, 28 – 30, 2002, Donostia-San Sebastian, Spain.

MYŠIAK, J.; GIUPPONI, C.; ROSATO, P. and COJOCARU, G. (2002): Beyond Development of Decision Support Systems for Environmental Application. International Conference "Policies and Tools for Sustainable Water Management in the EU", November, 21-23, Venice, Italy.

COGAN, V. and MYŠIAK, J. (2002): Innovations in EU Water Policy: How Science can Contribute by Providing Tool for Communication, Science for Water Policy; Euro-Conference, September, 2-4, 2002, Norwich, United Kingdom.

MYŠIAK, J.; GIUPPONI, C. and COGAN, V. (2002): Challenges and Barriers to Environmental Decision Making: A Perspective from the MULINO Project. 8th European Commission GI & GIS Workshop "European Spatial Data Infrastructure - A Work in Progress", July, 3-5 2002, Dublin, Ireland.

MYŠIAK, J.; GIUPPONI, C. and FASIO, A. (2002): Decision Support For Water - Resource Management: An Application Example of MULINO DSS; in Rizzoli, A.E. and Jakeman, A.J. (eds), Integrated Assessment and Decision Support, Proceedings of the First Biennial Meeting of the International Environmental Modelling and Software Society, iEMSs: Manno, Switzerland, 2002. ISBN 88-900787-0-7

GIUPPONI, C.; MYŠIAK, J. and FASIO, A. (2002): Towards a Spatial Decision Support System for Water Resource Management: MULINO-DSS. 5th Conference of the Association of Geographic Laboratories in Europe (AGILE) - Conference on Geographic Information Science, April, 25-27, 2002, Palma (Mallorca) Spain.

GIUPPONI, C.; MYŠIAK, J.; FASIO, A. and COGEN, V. (2001): MULINO: Multi-Sectoral, Integrated and Operational Decision Support System for Sustainable Use of Water Resources at the Catchment Scale. In: Ghassemi, E.; McAller, M.; Oxley, F.; Scoccimarro, M. (eds.): Proceedings of the conference Modelling and Simulation (MODSIM) 2001, International Congress on Modelling and Simulation, December, 10-13, The Australian National University, Canberra, Australia, Volume 3, Socioeconomic Systems. pp. 1183-1188.

MYŠIAK, J. and SLOBODA, B. (2000): Abbildung räumlicher Präferenz in einer räumlichen Entscheidungssituation. In: STROBL, J.; BLASCHKE, T. and GRIESEBNER (eds): Angewandte Geographische Informationsverarbeitung XII Beiträge zum AGIT-Symposium Salzburg 2000, Wichmann 2000. [Spatial preference modeling in a spatial decision situation. Conference AGIT – Application of Geographic Information technologies, Salzburg, Austria]

MYŠIAK, J. and SLOBODA, B. (2000): Räumliche Entscheidungsfindung: Problemdarstellung und Lösungsfindung. In: SABOROWSKI J. (ed): 12. Tagung der Sektion Forstliche Biometrie u. Informatik, Deutsches Verband Forstlicher Forschungsanstalten und Herbstkolloquium der AG Ökologie Internationale Biometrische Gesellschaft Deutsche Region, September 29 – October 1, 1999, Göttingen, Germany, Grüne Reihe der Biotechnischen Fakultät, Abteilung für die Forstwirtschaft. [Spatial decision-making: introduction and solutions. Annual conference of the German Forest Biometry and Informatics Society, Göttingen, Germany]

NON PER REVIEWED

MYŠIAK, J. (2003): A Host of Development Opportunities; *Science's Next Wave*, November 2003.