INTERNATIONAL JOURNAL OF AGRICULTURAL AND ENVIRONMENTAL INFORMATION SYSTEMS

July-December 2012, Vol. 3, No. 2

Table of Contents

Special Issue on Analysing, Modelling and Visualizing Spatial Environmental Data (Part 2)

GUEST EDITORIAL PREFACE

i Beniamino Murgante, University of Basilicata, Italy Antonino Marvuglia, Public Research Centre Henri Tudor (CRPHT), Luxembourg Mikhail Kanevski, University of Lausanne, Switzerland Maurizio Cellura, University of Palermo, Italy

Special Issue Research Articles

- 1 A Remote Sensing Based Calibration Framework for the MOLAND Urban Growth Model of Dublin Tim Van de Voorde, Vrije Universiteit Brussel, Belgium Johannes van der Kwast, Flemish Institute for Technological Research (VITO), Belgium Frank Canters, Vrije Universiteit Brussel, Belgium Guy Engelen, Flemish Institute for Technological Research (VITO), Belgium Marc Binard, Université de Liège, Belgium Yves Cornet, Université de Liège, Belgium Inge Uljee, Flemish Institute for Technological Research (VITO), Belgium Carlo Lavalle, Institute for Environment & Sustainability (IES), European Commission's Joint Research Center, Belgium
- 22 Forecasting High Correlation Transition of Agricultural Landscapes into Urban Areas: Diachronic Case Study in North Eastern Italy Federico Martellozzo, McGill University, Canada
- 35 A Linguistic Approach to Model Urban Growth Lefteris Mantelas, Institute of Applied and Computational Mathematics, Foundation for Research and Technology-Hellas, Greece Poulicos Prastacos, Institute of Applied and Computational Mathematics, Foundation for Research and Technology-Hellas, Greece

Thomas Hatzichristos, National Technical University of Athens, Greece Kostis Koutsopoulos, National Technical University of Athens, Greece

54 Service Path Attribution Networks (SPANs): A Network Flow Approach to Ecosystem Service Assessment

Gary W. Johnson, University of Vermont, USA Kenneth J. Bagstad, University of Vermont, USA Robert R. Snapp, University of Vermont, USA Ferdinando Villa, University of Vermont, USA

72 The Evidence of Links between Landscape and Economy in a Rural Park Paola Perchinunno, University of Bari, Italy Francesco Rotondo, Polytechnic of Bari, Italy Carmelo Maria Torre, Polytechnic of Bari, Italy

Research Article

86 Genetic Algorithm Approach to a Multiobjective Land Allocation Model: A Case Study Gopi Annepu, Department of Technical Education, Government of Andhra Pradesh, India K. Venkata Subbaiah, Andhra University, India N. R. Kandukuri, Department of Technical Education, Government of Andhra Pradesh, India