

Ecosystem Services and Sustainable Cities

Integrated Valuation in Science, Policy and Practice

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An unparalleled growth of urbanisation is putting under stress the already fragile equilibrium of natural resources: new solutions are required to address this change. The ecosystem services concept is currently mainstreamed in science, policy and practice to highlight ecosystems' contribution to societal development. Local, national and global initiatives are focusing on practically acknowledging the role of ecosystem services in planning policies, but the growing complexity of human-nature interactions asks for more transdisciplinary research efforts to assess the diversity of values (social, economic, ecological) and ultimately to provide better-informed decisions and to design effective instruments for ecosystems management. The workshop brings together experts from different disciplines to discuss the issues related to:

- *the mapping and assessment of the ecological flows of ecosystems*
- *the socio-economic valuation of the services produced by the ecosystems*
- *the institutional problems and solutions to achieve a better governance of ecosystems*
- *the contribution of ecosystems to the sustainability of urbanisation*

Biographies

Margaretha **Breil**, PhD in Urban Planning (RWTH Aachen, Germany, 1992) and a Master in valuation of Urban and Environmental Policies (IUAV Venice, Italy, 2003), is an urban and regional planner with a specialization in valuation of urban, regional and environmental policies.

Publications

Marina **García Llorente** is Senior researcher at Madrid Institute for Rural, Agricultural and Food Research and Development (IMIDRA) and is collaborating researcher at Social-Ecological Systems Lab, Ecology Dpt, Universidad Autónoma de Madrid.

PhD in Ecology and Environment Sciences in the Universidad Autónoma de Madrid. Her research interests include Agroecology, Ecosystem service, Human connectedness to nature, Monetary and non-monetary assessment, Rural Development, Social-Ecological System, Social Farming, Sustainability Science, Participatory approach.

Publications

Gianni **Guastella**, is Assistant Professor at Università Cattolica, where he teaches Microeconomics, Macroeconomics, Financial Mathematics and Econometrics. He is also Associate Researcher at FEEM. He holds an MSc in Economic Geography from the Utrecht University and a PhD in Economic Policy from the Catholic University. His research interests include urbanisation and sprawl, carbon emissions and pollutant concentration in cities, nature-based solutions for cities decarbonisation, spatial planning and natural resource management policies. He specialised in statistical modelling of spatial data with applications to urban growth and soil-management problems.

Publications

Joachim **Maes** started in December 2008 as researcher at the Institute of Environment and Sustainability of Joint Research Centre in Ispra, Italy. He now coordinates the JRC's research program on ecosystem services which are provided by European ecosystems and biodiversity. He worked for 10 years as fish biologist and ecologist at the Catholic University of Leuven, Belgium. During his academic carrier, he investigated how fish populations constitute ecological communities which are structured along gradients of environmental change.

Publications

Bettina **Matzdorf** has been working at the Institute of Socio-Economics at the Leibniz-Centre for Agricultural Landscape Research (ZALF) since 2002, leading the research group "Instruments and institutions of ecosystem services management". Bettina is Professor for "Ecosystem Services - economic and planning aspects" at the Leibniz University in Hannover. She has been working on the interface of ecological and social research since several years. She holds a diploma in landscape planning from the Technische Universität Berlin. She holds a diploma in horticultural science from the Leibniz-University of Hannover, Germany, and a PhD in agricultural science from the Department of Agricultural Economics, Humboldt University of Berlin, Germany.

Publications

Stefano **Pareglio** is Associate Professor at the Catholic University of Milan. He is Coordinator of Society and Sustainability Program at FEEM. He teaches Microeconomics, Macroeconomics, Environmental and Energy Economics, as well as Energy and Urban Planning at the Politecnico di Milano. He is Director of the Research Center for Environment, Energy, and Sustainable Development, and member of the Steering Committee of the Post-Graduate School on the Environment of the Catholic University. His research is about environmental economics, urban/regional economics, and specifically the statistical methodologies for the analysis of land use patterns.

Publications

Riccardo **Scarpa** is an applied economist who was educated at the Univ. of Wisconsin – Madison (1993-98), with a first degree (Laurea) in Agricultural Science from the University of Tuscia, Italy (1983-88) and in Environmental Impact Assessment from University College of Wales, Aberystwyth (1989-90). In 1998 he moved to the UK where he eventually took up a lectureship first in Newcastle and then at York. In 2005 he took a chair at the Waikato Management School in NZ, where he still has academic involvement. In 2012-2014 he held the Gibson Chair in Environmental, Rural and Food Economics at Queens University Belfast. Since 2014 he has held a part-time associate professorship at the University of Verona at the dpt of Business Economics.

Publications

Marije **Schaafsma** is Senior Research Fellow at Department of Geography and Environment, University of Southampton. Marije is affiliated to FNES and FSHS and holds an ESPA Early Career Research Fellowship. She holds two MSc (Economics and Environment and Resource Management) and a PhD (Environmental Economics) VU University Amsterdam. She is interested in decisions concerning ecosystem management and human development. She specialises in the application of economic methods to inform such decisions and trade-offs.

Publications