

Ecosystem Services and Sustainable Cities

Integrated Valuation in Science, Policy and Practice

September 19, 2017

Fondazione Eni Enrico Mattei
Corso Magenta 63, Milan

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*

Agenda

9:30 *Registration of participants*

10:00 **Welcome address**

Stefano **Pareglio**, FEEM and Università Cattolica del Sacro Cuore

10:10 – 12:50 **Ecosystem Services: assessment and economic valuation**

Chair: Margaretha **Breil**, FEEM and Euro-Mediterranean Center on Climate Change (CMCC)

Presentation of the initiative and current research on urban ecosystem services

Joachim **Maes**, Joint Research Centre (JRC), European Commission

Ecosystem services valuation and management

Marije **Schaafsma**, Department of Geography and Environment, University of Southampton

Recent advances in the economic valuation of ecosystem services

Riccardo **Scarpa**, Department of Business Economics, University of Verona, Durham University Business School, and Economics Department, Waikato Management School

The economic valuation of green urban areas in Europe: a meta-regression

Gianni **Guastella**, FEEM and Università Cattolica del Sacro Cuore

12:50 *Networking Lunch*

14:00 – 16:00 **Ecosystem Services: institutional challenges**

Chair: Gianni **Guastella**, FEEM and Università Cattolica del Sacro Cuore

Institutional implementation of payments for ecosystem services

Bettina **Matzdorf**, Institute for Socio-Economics, Leibniz-Center for Agricultural Landscape Research

Ecosystem services and nature-based solutions in cities

Margaretha **Breil**, FEEM and Euro-Mediterranean Center on Climate Change (CMCC)

Participatory and Social Farming in the Promotion of Ecosystem Services and Social-Ecological Sustainability in Rural and Periurban Areas

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

16:00 **Conclusions**