

# CONTENTS

## Special Issue: Developing and Applying Ecosystem Services Indicators in Decision-Support at Various Scales

Developing and applying ecosystem service indicators in decision-support at various scales	
J. Hauck (Leipzig, Germany), C. Albert (Leipzig, Germany and Hannover, Germany), C. Fürst (Garmisch-Partenkirchen, Germany), D. Geneletti (Trento, Italy), D. La Rosa (Catania, Italy), C. Lorz (Freising, Germany) and M. Spyra (Opole, Poland).....	1
Should the ecosystem services concept be used in European Commission impact assessment?	
K. Diehl (Müncheberg, Germany), B. Burkhard (Müncheberg, Germany and Kiel, Germany) and K. Jacob (Berlin, Germany).....	6
Requirements for the selection of ecosystem service indicators – The case of MAES indicators	
U. Heink, J. Hauck (Leipzig, Germany), K. Jax (Leipzig, Germany and Freising, Germany) and U. Sukopp (Bonn, Germany).....	18
National ecosystem service indicators: Measures of social–ecological sustainability	
L. Mononen (Joensuu, Finland), A.-P. Auvinen (Oulu, Finland), A.-L. Ahokumpu (Helsinki, Finland), M. Rönkä, N. Aarras, H. Tolvanen, M. Kamppinen (Turku, Finland), E. Viirret (Helsinki, Finland and Turku, Finland), T. Kumpula (Joensuu, Finland) and P. Vihervaara (Helsinki, Finland).....	27
Towards a national set of ecosystem service indicators: Insights from Germany	
C. Albert (Hannover, Germany and Leipzig, Germany), A. Bonn (Leipzig, Germany and Jena, Germany), B. Burkhard (Kiel, Germany and Müncheberg, Germany), S. Daube (München, Germany), K. Dietrich, B. Engels (Bonn, Germany), J. Frommer (Dessau-Roßlau, Germany), M. Götzl (Vienna, Austria), A. Grêt-Regamey (Zurich, Switzerland), B. Job-Hoben (Bonn, Germany), T. Koellner (Bayreuth, Germany), S. Marzelli, C. Moning (München, Germany), F. Müller (Kiel, Germany), S.-E. Rabe (Zurich, Switzerland), I. Ring (Leipzig, Germany), E. Schwaiger (Vienna, Austria), B. Schweppe-Kraft (Bonn, Germany) and H. Wüstemann (Hannover, Germany) .....	38
Knowledge brokering and boundary work for ecosystem service indicators. An urban case study in Finland	
S.-R. Saarela and J. Rinne (Helsinki, Finland) .....	49
Cultural ecosystem services in the UK: Lessons on designing indicators to inform management and policy	
J.A. Tratalos (Dublin, Ireland and Nottingham, UK), R. Haines-Young, M. Potschin (Nottingham, UK), R. Fish (Canterbury, UK) and A. Church (Brighton, UK).....	63
Indicators of Cultural Ecosystem Services for urban planning: A review	
D. La Rosa (Catania, Italy), M. Spyra (Opole, Poland) and L. Inostroza (Dresden, Germany and Temoco, Chile) .....	74
Bringing ecosystem services indicators into spatial planning practice: Lessons from collaborative development of a web-based visualization platform	
U. Wissen Hayek (Zurich, Switzerland), M. Teich (Logan, UT, USA), T.M. Klein and A. Grêt-Regamey (Zurich, Switzerland) .....	90
Applying ecosystem services indicators in landscape planning and management: The ES-in-Planning framework	
C. Albert (Hanover, Germany and Leipzig, Germany), C. Galler, J. Hermes, F. Neuendorf, C. von Haaren (Hanover, Germany) and A. Lovett (Norwich, UK).....	100
Evaluation of Ecosystem Services related to Bio-Energy Landscape Connectivity (BELC) for land use decision making across different planning scales	
R. Pelorosso, F. Gobattoni (Viterbo, Italy), F. Geri (Trento, Italy), R. Monaco (Torino, Italy) and A. Leone (Viterbo, Italy).....	114

The importance of scale in the development of ecosystem service indicators?	
L. Norton (Bailrigg, UK), S. Greene (Wallingford, UK), P. Scholefield (Bailrigg, UK) and M. Dunbar (Wallingford, UK).....	130
Biophysical criteria used by farmers for fallow selection in West and Central Africa	
L. Norgrove (Basel, Switzerland) and S. Hauser (Ibadan, Nigeria).....	141