

PROF. DAVIDE GENELETTI

Contact Information

*Current Position: Professor of Environmental Planning and Assessment
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Profile

Specialised in impact assessment of projects, plans and policies; spatial and urban planning; ecosystem services; nature-based solutions; multicriteria analysis. Formerly Research Fellow at Harvard University's Sustainability Science Program (2010-11), and Visiting Scholar at Stanford University's Woods Institute for the Environment (2014). He has consulted for private and public bodies internationally, including the United Nations Environment Programme (UNEP), UN-HABITAT, and the European Commission. Former Editor-in-Chief of the Journal of Environmental Assessment Policy and Management. Deputy Editor of the open access journal One Ecosystem. He has been Principal Investigator/Work Package leader in over 10 international research projects. PhD from Free University Amsterdam.

Bibliometric profile (Scopus, Feb 4th 2022): 179 publications, 6,316 citations, h-index: 43

HIGHER EDUCATION

2002	PhD, Vrije Universiteit Amsterdam. Thesis: Ecological evaluation for environmental impact assessment
1999	Post-graduate Certificate in Digital Image Processing of Remotely Sensed Data, International Institute for Aerospace Survey and Earth Sciences (ITC), The Netherlands
1997	Master degree (cum laude) in Environmental Sciences, Università di Milano, Italy

ACADEMIC APPOINTMENTS

2021-Present	Professor, University of Trento
2017	Visiting Scientist, Environmental and Conservation Sciences, Murdoch University, Western Australia
2015	External Researcher, Finnish Environment Institute (SYKE)
2014-2021	Associate Professor, University of Trento
2014-Present	Adjunct Professor, Landscape Planning, Free University of Bozen
2014	Visiting Scholar, Woods Institute for the Environment, Stanford University
2010-2011	Mid-career Research Fellow, Sustainability Science Program, Harvard University
2010	Visiting Professor, Pontificia Universidad Catolica de Chile
2006-2014	Researcher, Faculty of Engineering, University of Trento
2007	Visiting Associate Professor, Faculty of Architecture and Environmental Design, International Islamic University of Malaysia
2004- 2006	Adjunct Professor, Environmental planning and assessment, Faculty of Engineering, University of Trento
2002-2004	Post-doc fellow and Adjunct Professor of Environmental planning and assessment, Faculty of Engineering, University of Trento
2002	Research Fellow, Department of Environmental Sciences, University of Milano-Bicocca
1998- 2002	PhD Fellow/Young researcher, Free University of Amsterdam and International Institute for Aerospace Survey and Earth Sciences, The Netherlands
1997-1998	Research Assistant, Department of Earth Sciences, University of Modena

RESEARCH GRANTS

- University of Trento – “COVID-19” Research Grant Programme, NASCENT: Nature-based solutions for pandemic and climate-resilient cities, PI, 24 months, 2021-2022
- European Commission – DG Environment Action, MOVE-ON: From case studies to anchor projects- Setting the ground to advance MAES in Europe’s overseas, PI for UNITN (Coordinating Institution: *Fundo Regional para a Ciência e Tecnologia*), 36 months, 2019-2022
- European Commission – Horizon 2020 Coordination and Support Action, RENATURE: promoting Research Excellence in Nature-based solutions for innovation, sustainable economic growth and human well-being in Malta, PI for UNITN (Coordinating Institution: Malta College of Arts, Science and Technology), 36 months (2018-2021)
- European Commission – DG Environment Action, MOVE: Facilitating MAES to support regional policies in overseas Europe: Mobilizing stakeholders and pooling resources, PI for UNITN (Coordinating Institution: *Fundo Regional para a Ciência e Tecnologia*), 36 months, 2018-2021,
- European Commission - Horizon 2020 Innovation Action, InnoForES: Smart information, governance and business innovations for sustainable supply and payment mechanisms for forest ecosystem services, Principal Investigator (PI) for UNITN (Coordinating Institution: Eberswalde University for Sustainable Development), 36 months (2017-2020),
- European Commission - Horizon 2020 Coordination and Support Action, ESMERALDA: Enhancing ecosystem services mapping for policy and decision making, Principal Investigator (PI) for UNITN (Coordinating Institution: University of Kiel), 36 months (2015-2018),
- European Commission – DG Environment and Joint Research Centre, EnRoute: Enhancing Resilience of urban ecosystems through green infrastructure, 24 months (2017-2018), Project Expert.
- European Cooperation in Science and Technology, COST Action 15206: Payments for Ecosystem Services (Forests for Water), Substitute Member of the Management Committee, 2016-2020
- Municipality of Trento-University of Trento “Trento Urban Transformation Project”, Leader of analysis of ecosystem services to inform the urban plan (2017-2020).
- University of Trento – Internal Research Grants, CLIMAWARE: CLIMatic change impacts on future Availability of Water REsources and hydro- geological risks, WP leader, 18 months (2015-2016),
- European Commission – Europe Aid, GDEE: Global Dimension in Engineering Education, WP leader (Coordinating Institution: Universitat Politècnica de Catalunya, 24 months (2013-2015),
- European Commission - FP6 INCO-DEV, ReForLan: Restoration of forest landscapes for biodiversity conservation and rural development in the drylands of Latin America, PI for UNITN (Coordinating Institution: Bournemouth University, 36 months (2007- 2009),
- European Commission - Marie Curie Action, EASY-ECO 2008-2010: Evaluation of Sustainability European Conferences and Training Courses, co-PI for UNITN (Coordinating Institution: Vienna University of Economics and Business), 42 months (2008-2011),
- European Commission - ASEAN-EU AUNP Programme, ENSPADS: Expanding Expertise Network for generating and sharing knowledge related to Spatial Planning And Decision Support, PI for UNITN (Coordinating Institution: ITC), 24 months (2004-2005),
- Autonomous Province of Trento- Marie Curie COFUND, EcoSerSEA: Integrating ecosystem services in strategic environmental assessment of spatial plans, 2009, (grant not accepted)
- Chilean Economic Development Agency – Innova Programme: Agenda de innovación de destino turístico sostenible con identidad para el territorio andino lacustre Curarrehue, PI for UNITN (Coordinating Institution: Pontificia Universidad Católica de Chile), 12 months (2008-2009),
- Chilean Economic Development Agency – Innova Programme: Diplomado en Diseño y Gestión de Turismo Sustentable para el Desarrollo Local, PI for UNITN (Coordinating Institution: Pontificia Universidad Católica de Chile) 12 months (2008-2009),
- European Cooperation in Science and Technology, COST Action TU0902: Integrated assessment technologies to support the sustainable development of urban areas, Member of the Management Committee, 2010-2014

National Council on Science and Technology of Mexico - Project no. 179386: Evaluación de la importancia relativa de bosque húmedo de niebla bajo un enfoque de paisaje, WP leader, 2013-2016.

National Council on Science and Technology of Mexico – Fondo Mixto Programme, Priorización de subcuencas para la conservación, restauración y el aprovechamiento de los recursos naturales en la Cuenca del Lago de Cuitzeo, WP leader, 2006-2007.

PARTICIPATION in OTHER RESEARCH PROJECTS

National Autonomous University of Mexico - DAGAPA-PAPIIT Programme, Dinámica espacio temporal del bosque mesófilo de montaña del Sistema Volcánico Transversal en el estado de Michoacán bajo un enfoque de paisaje, Participant, 2011-2013.

European Commission - FP5 RTD Programme, Regionet. Strategies for Regional Sustainable Development – An Integrated Approach beyond Best Practice, Participant, 2002-2004.

European Commission - FP5 EESD, ALARM: Assessment of landslide risk and mitigation in mountain areas, Participant, 2001-2004.

European Commission - INCO-DC Programme, ELANEM: Environmental indicators and indices to measure sustainable development, Participant, 1999-2002.

European Commission - TM&R Programme, GETS: A European Research Network on the Application of Geomorphology and Environmental Impact Assessment of Transportation Systems, Participant, 1998-2001.

VISITING SCIENTIST/RESEARCH FELLOW

Cambridge University (July-August 2020): Visiting Scholar at the Department of Geography (Cancelled due to COVID-19)

Murdoch University, Western Australia (January-July 2017): Visiting Fellow at the School of Veterinary and Life Sciences (Environmental Sciences and Conservation) (research position fully funded by Murdoch University)

Finnish Environment Institute (SYKE) (August 2015): External Researcher at the Environmental Policy Centre (research position fully funded by SYKE)

Stanford University (July-August 2014): Visiting scientist at the Woods Institute for the Environment.

Harvard University (Sept. 2010-July 2011): Research fellow in the Sustainability Science Program (research position fully funded by Harvard University)

Catholic University of Temuco (2 weeks in May 2010): Appointed as “International scientific advisor” to work on the research project “*Efectos antrópicos sobre el paisaje costero de la Araucanía*” at the Laboratory of Territorial Planning.

Pontificia Universidad Católica de Chile (January-February 2010): Appointed as “Visiting Professor” in the Villarrica Campus.

Royal Institute of Technology (KTH, Sweden) (August-September 2009): Visiting professor (LLP Programme) at the Department of Land and Water Resource Engineering.

International Islamic University of Malaysia (IIUM) (July and August 2006): Appointed as “Visiting associate professor” at the Faculty of Architecture and Environmental Design (position fully funded by IIUM)

University of La Habana (2 weeks in June 2005): Visiting scientist at the Faculty of Geography.

Geological Survey of Canada (Natural Resources Canada (February-April 2001): Visiting fellows at the Division of Earth Sciences and Geoinformation.

KEYNOTES and INVITED PRESENTATIONS

- Invited Roundtable participant to the seminar “Nature as a stakeholder in urban planning”, Politecnico di Milano, 25th November, 2021.
- Keynote Speaker at the International scientific workshop “Urban Natures? Describing, practising developing”, Urban Futures LABEX, University of Paris-Est, Paris, 22nd-23rd November 2021.
Title: Nature-based solutions in urban planning: Challenges and opportunities
- Keynote Speaker at the “Economy of a Water City” Congress, 25th-26th October 2021, Wroclaw, Poland. Title: Nature-based solutions in cities: How, how much, and for whom?
- Keynote Speaker at The International Symposium on Ecosystem Restoration and Multi-Hazard Resilience, Amrita School for Sustainable Development, Kerala, India. 5th-9th June 2021
- Keynote speaker at the International Association for Landscape Ecology-Chilean chapter (IALE-Chile) Bi-annual Conference “*Paisajes del Antropoceno: Sustentabilidad y Resiliencia en Sistemas Socio-Ecológicos Cambiantes*”. Title: *Soluciones basadas en la Naturaleza para la sostenibilidad urbana*, 25-27 May 2021 (on-line).
- Invited presentation at the workshop “GoGreenRoutes”. Title: Performance-based planning approaches for Nature-based solutions”. 23 October 2020 (on-line)
- Keynote Speaker at the workshop “Green infrastructures as a tool to improve biodiversity in cities, organized by LIFE project “Anillo Verde de la Bahía de Santander”. Title: Planning for ecosystem services in cities. 20-21 October 2020 (on-line)
- Key note lecture at the symposium “Sustainability in Israel: 21st century challenges”, organized by the University of Haifa. Key-note title: Ecosystem services for sustainable urban development: A spatial planning perspective. Haifa, (12 March 2019)
- Invited presentation at “EU High-level Conference Green Cities for a Greener future”, European Commission. Title: “Nature in the city”, Brussels, 22-24 May, 2018.
- Invited presentation at the workshop “Green Infrastructure and Restoration”, European Commission, DG Environment. Title: “Guidance documents on ecosystem services mapping and assessment for policy and decision-making”, Brussels, 31.01-01.02 2018
- Invited presentation at the workshop “Ecosystem services in impact assessment, planning and management – Current trend and future directions”, Murdoch University. Title: Ecosystem services and impact assessment of urban plans”. Murdoch, Western Australia, 12 May 2017.
- Invited presentation at the “EU technical workshop on knowledge base and spatial and technical data for green infrastructures and restoration”, European Commission, DG Environment. Title: Strategic planning of green infrastructure and restoration in cities. Brussels, 24-15 October 2016.
- Invited presentation at the international seminar “Providing Nature-based solutions for sustainable development”, Malta College of Arts, Science and Technology. Title: Nature-based solutions for urban challenges”. Paola, Malta, 16 June 2016.
- Invited presentation at the seminar “Geodesign for Planning Support Systems: Ecosystem services assessment and evaluation”, University of Naples Federico. Naples, 26 May 2016.
- Invited presentation at the Sustainability Science Symposium, Harvard Kennedy School, Harvard University. Title: What are the principal tradeoffs between human well-being and the natural environment, on what temporal and spatial scales do these tradeoffs matter? Cambridge, MA, USA, May 20-21, 2016
- Key note speech at the “Annual Meeting of Operationalisation of Natural Capital and Ecosystem Services”. Speech title: Ecosystem services for impact assessment processes. Leipzig, Germany (26-28 April 2016)
- Invited seminar at the Environmental Assessment and Management Research Centre, University of Liverpool. Title: Alternative comparison and problem framing in impact assessment. Liverpool, UK (12 April, 2016)
- Invited presentation at the international workshop “Modelling and mapping of ecosystem services for regional planning”. Title: Ecosystem services in spatial planning and impact assessment. Garmisch, Germany (17-18 March 2016)

Invited presentation at the international workshop “Mapping and Assessment of ecosystem services in enlargement countries”, organized by Joint Research Centre of the European Commission. Ispra, Italy. Title: Mapping and assessing ecosystem services to support urban planning in Trento, Italy (January 2016)

Invited presentation at the Finnish Environment Institute (SYKE), Helsinki. Title: Ecosystem-based adaptation in urban planning and impact assessment (August 2015)

Invited presentation at the international workshop “Using ecosystem service assessments to change things in the real world”, organized by Helmholtz Centre for Environmental Research and GIZ. Frankfurt, Germany (November 2014)

Key note speech at the International conference RegioResources 21- 2014: A cross disciplinary dialogue on future perspectives for a sustainable development of regional resources. Katowice, Poland (September 2014).

Invited presentation at the International workshop “High Level Policy Dialogue on Mainstreaming Natural Capital into Sustainable Development: Moving environment to the center stage”, organized by the United Nations Environment Programme. Hanoi, Vietnam (May 2014).

Key note speech at the “International conference RegioResources 21- 2013 A cross disciplinary dialogue on future perspectives for a sustainable development of regional resources”. Catania, Italy (September 2013).

Invited presentation at the Information and Capacity Exchange Workshop organized by the UNEP Project for Ecosystem Services. San Pedro de Atacama, Chile (via skype) (May 2013).

Invited presentation at the International Conference “Biodiversity and ecosystem services in impact assessment”, International Association for Impact Assessment. Washington DC, USA (February 2013).

Invited presentation at the workshop “*Generazione e valutazione delle alternative nei processi di valutazione ambientale*”, organized by the Italian Ministry for the Environment, Bari, Italy (October, 2012).

Invited presentation at the “International workshop on Linking policy impact assessment and sustainability expertise”, organized by the LIAISE Network of Excellence. Villa Vigoni, Italy (October 2012).

Invited presentation at the “Synthesis workshop on Qualities, Vulnerabilities and Management of Ecosystem Services in Mountain Regions Worldwide”, organized by the University of Bern, Mountain Research Initiative. Grosshöchstetten, Switzerland (September 2012).

Invited presentation at the “International Scientific Workshop Energy Landscapes – integrating multiple criteria for planning and decision making”, organised by KTH Royal Institute of Technology. Stockholm, Sweden (August 2012).

Invited presentation at the “International Workshop on Mainstreaming Ecosystem Services into Development Policy: Approaches and Opportunities”, organised by the United Nations Environmental Programme. Port of Spain, Trinidad and Tobago (May 2012).

Invited presentation at the “European Geosciences Union General Assembly 2012”. Vienna, Austria (April 2012).

Invited presentation at the International Seminar “III Seminario Internacional sobre Ordenación del Territorio”, organized by the Catholic University of Temuco. Temuco, Chile (May 2010).

Invited presentation at the event “Indicators of environmental sustainability in transport. Final Conference”, European Cooperation in Science and Technology. Paris, (March 2010).

Invited presentation at the “Consultation meeting on Strategic Environmental Assessment and Health”, organized by the World Health Organization (WHO). Rome (June, 2009).

Invited presentation at the International seminar on “Percepción Remota, el espacio y las oportunidades de desarrollo social”, organized by SERCOTEC, Santiago de Chile (March 2008).

INVITED PRESENTATIONS (national, last 2 years)

Invited presentation at the Seminar “Quale futuro per i paesaggi urbani? Sfide e prospettive”, Società Italiana di Ecologia del Paesaggio. Title: Soluzioni basate sulla natura e sostenibilità urbana. 24 maggio 2021 (online)

Invited presentation at the Seminar “Diritto ambientale e tutela della salute”, European Law Student's Association, Trento. Title: Ecosistemi, servizi ecosistemici e benefici per la salute. 19 aprile 2021 (online)

Invited presentation at the Conference “Norme, piani e progetti per il suolo in Italia e Europa. Verso il Green New Deal”. Title: Nature-based solutions e servizi ecosistemici urbani. Politecnico di Torino, 11 giugno 2020 (online).

INVITED GUEST LECTURES (international only)

Universidad Regional Amazónica Ikiam & Martin-Luther University Halle-Wittenberg “Ecu-MAES Summer School on Assessing and modelling ecosystem services. Lecture title: Multi-criteria assessment for environmental decision-making (on-line), 16 March 2021

Politecnico di Milano. Open lecture: Green infrastructures and spatial planning: Recent experiences and innovative approaches. Milano, 13 November 2017.

Australian Urban Design Research Centre (University of Western Australia). Lecture title: Planning and designing green space in cities to provide ecosystem services. Perth, 24 May 2017.

Murdoch University, Western Australia, MSc degree in Environmental Policy and Management. Lecture: An introduction to ecosystem services and their assessment. 9 May 2017

Murdoch University, Western Australia, MSc degree in Environmental Assessment. Lecture: Introduction to multicriteria analysis for impact assessment. 28 April 2017.

Training Centre for International Cooperation-OECD, Italy: Summer School on Community and Local Development. Lecture: Ecosystem services for local community development (August, 2016)

Universidad Católica de Temuco, Chile (via skype) (August, 2014)

Universidad Católica de Temuco, Chile (January, 2010)

Swedish University of Agricultural Sciences. Uppsala, Sweden (September 2009).

Royal Institute of Technology (KTH). Stockholm, Sweden (September 2009).

Pontificia Universidad Católica de Chile. Villarrica, Chile (May 2009)

Universidad de Alcalá de Henares, Spain (December 2007)

Universidad Politécnica de Catalunya. Barcelona (April 2006).

International Islamic University of Malaysia. Kuala Lumpur, Malaysia (July 2006)

University of Technology, Malaysia. Johor Baru, Malaysia (August 2006)

Universidad Nacional Autónoma de México (March 2005)

Universidad Politécnica de Catalunya. Barcelona (April 2005).

Faculty of Geography of the University of La Habana. La Habana, Cuba (June 2005)

El Colegio de la Frontera Sur. Campeche, Mexico (2003).

REFEREE for RESEARCH COUNCILS and INSTITUTIONS

European Commission, Expert for monitoring the progress of two large projects on Nature-based Solutions in cities funded under Horizon2020 (2021)

Trinity College Dublin, Expert Reviewer for the “Kinsella Challenge-based E3 Multi-disciplinary Project Awards2 (2021)

European Commission, Expert for the evaluation of proposals submitted under the Horizon2020-funded “European Green Deal Call” (2021)

Spanish Research Agency, Expert evaluator for National Programme of Research and Development Projects (2021)

Research Grants Council (RGC) of Hong Kong, External reviewer for Research Grants (2021)

Research Foundation Flanders (FWO), Belgium. Expert Reviewer for the Call for Strategic Basic Research Projects (2020)

National Science Center, Poland. Expert reviewer for Grant Proposals (2020)

European Commission (Executive Agency for Small and Medium-sized Enterprises, EASME):
Expert for the evaluation of proposals submitted under the Horizon2020 Programme (2020)

European Commission, Panel Member for the evaluation of European Research Council (ERC)
Grants in the Panel “SH2” (Institutions, Values, Environment, Space) (2020)

European Commission (Executive Agency for Small and Medium-sized Enterprises, EASME):
Expert for the evaluation of proposals submitted under the Horizon2020 Programme, Second
stage proposals (2019)

European Science Foundation: Expert reviewer for the Call for Strategic Basic Research Projects of
the Research Foundation Flanders (FWO) (2019)

Belgian Science Policy Office: Expert for the evaluation of proposals submitted to the BRAIN-be 2.0
Programme (Belgian Research Action through Interdisciplinary Networks) (2019)

European Commission (Executive Agency for Small and Medium-sized Enterprises, EASME):
Expert for the evaluation of proposals submitted under the Horizon2020 Programme, First stage
proposals (2019)

Irish Research Council: Scientific reviewer of research proposals submitted to the Marie
Skłodowska-Curie Actions COFUND Programme “CAROLINE” (2017)

BiodivERsA ERA-Net: Scientific external reviewer of research proposals (2016)

Social Sciences and Humanities Research Council of Canada (SSHRC): Evaluation of applications
submitted to the Insight Grants programme (2016)

Evaluation of Research Quality (2011-14), Italian Ministry of Education, University and Research:
Referee (2016)

Japan International Cooperation Agency Research Institute (JICA-RI): Expert reviewer for research
papers (2015 and 2018)

Swiss Federal Institute of Technology Zurich (ETH): Evaluation panel member (2014)

Universidad Católica de Temuco, Chile: Evaluation panel member (2014)

Research and Higher Education Academy, Belgium: Project reviewer for proposals in the field
“Sustainable development” (2014)

European Commission, Expert for Horizon 2020 proposal evaluation (2013)

International Institute for Applied Systems Analysis, Austria: International referee for the “Peccei &
Mikhalevich” Awards (2013)

Italian Ministry of Education and Research (MIUR): Project reviewer (2013)

European Cooperation in Science and Technology (EU-COST): Project evaluator for trans-domain
research proposals (2013)

Czech Science Foundation: Project reviewer (2013)

Research Foundation – Flanders: Project reviewer (2013)

National Research Council of the Romanian Government: Expert Reviewer (2012)

ESPON 2013 Programme (European Observation Network for Territorial Development and
Cohesion, European Union): Evaluator and monitoring of applied research projects (2010-2011)

National Commission of Technological and Scientific research (Chile): Project evaluator (2010,
2011)

National Autonomous University of Mexico: Member of the evaluation committee to grant tenure
status to senior researchers (2010)

ADVISORY BOARDS and SCIENTIFIC COMMITTEES

Invited participant to the workshop “Progress, Challenges, and Opportunities for Sustainability
Science”, organized by the U.S. National Academies of Sciences, Engineering, and Medicine,
November 30-December 2, 2020 (on-line)

Invited participant to the Virtual Expert Forum on SEEA EEA 2020- Session 4: Thematic accounts
and indicators Confirmation. DESA, United Nations. November 9-10, 2020 (on-line)

Member of the High Level Advisory Board of the EU H2020 project 'GoGreenRoutes – Deliver
impactful solutions for human and environmental health” (2020-2024)

Member of the Expert Board of the project IRENES - Integrating RENewable energy and Ecosystem Services in environmental and energy policies, funded by the Interreg EUROPE Programme (2019-2021)

Member of the Academic Review Board of the EU H2020 project 'EU Valuing Nature Network and Programme' (2019-2021)

Member of the Advisory Group of the European Environmental Agency for the Scoping paper "Ecosystem-based approaches for climate change adaptation and disaster risk reduction - Exploring the knowledge base, policies and practices" (2019)

Member of the Advisory Board of MAIA (Mapping and Assessment for Integrated ecosystem Accounting), project funded under the European Commission Horizo2020 Programme, 2018-2022.

Member of the Task Force "Nature-based solutions Impact Evaluation Framework", European Commission DG RTD and EASME (2017-)

Member of the Expert Working Group on Nature-based Solutions to Promote Climate Resilience in Urban Areas. EKLIPSE Project (EC, Horizon 2020)

Member of the Scientific Committee for Protected Areas, Autonomous Province of Trento, 2017-

Member of the Scientific Committee of the Italian Report on Land Take (*Centro di Ricerca sui Consumi di Suolo, Rapporto 2017-present*)

AQUACROSS (Ensuring the provision of aquatic ecosystem services), Project funded by the EU Horizon 2020 Programme: Member of the Science-Policy-Business Think tank (2016-)

Ecosystem Services Partnership: Member of the Steering Committee (2014-)

Global Land Project (<http://www.globallandproject.org/>): Member of the European Nodal Office (2013-)

OpenNESS (Operationalisation of Natural Capital and Ecosystem Services), Project funded under the EU 7th Framework Programme: Member of the International Advisory Board.

Ecosystem Services Partnership: National Network Leader for Italy (2013-)

Ecosystem Services Partnership: Lead Team member of the Thematic Working Group "Applications of ecosystem services in planning and management"

Ecosystem Services Partnership: Lead Team member of the Thematic Working Group "Ecosystem services accounting and greening the economy"

LIAISE-FP7 Network of Excellence (Linking Impact Assessment Instruments to Sustainability Expertise): Lead Editor of the Multicriteria analysis area in the LIAISE toolbox (2012-)

European Land Use Institute: Member (2013-)

United Nations Environment Programme (UNEP): Resource person for the to advise on ecosystem services and land use planning (ProEcoServ project) (2012)

UNESCO Chair in Engineering for Human and Sustainable Development; Member of the Scientific Committee

International Association for Impact Assessment: Member of the Scientific Committee of the Italian Chapter (2011-)

Member of the Environmental Impact Assessment Committee, Autonomous Province of Trento, 2012-2015.

International Union for Conservation of Nature (IUCN):

- Member of the Commission on Ecosystem Management (2010-)
- Member of the CEM Climate Change Adaptation Thematic Group 2013-2016
- Member of the CEM Ecosystem Services Thematic Group 2013-2016

World Health Organization (WHO): Honorary adviser for the on the integration of health into Strategic Environmental Assessment (2009)

National Polytechnic Institute of Mexico: Visiting professor at the Interdisciplinary Research Centre for integrated regional development, Mexico (2009-10)

SCIENTIFIC JOURNAL EDITORIAL and REFERENCING RESPONSIBILITIES

Editor-in-chief: Journal of Environmental Assessment Policy and Management (June 2016-2019)

Co-Editor: Change and Adaptation in Socio-Ecological Systems (2016-2018)

Deputy Editor-In-chief: One Ecosystem (2016-)

Associate Editor: People and Nature (2018-)

Impact Assessment and Project Appraisal (2015-2016)

Change and Adaptation in Socio-Ecological Systems (2014-2016)

Senior Editor: Change and Adaptation in Socio-Ecological Systems (2018-)

Book review Editor: Impact Assessment and Project Appraisal (2011-2015)

Editorial Board Member:

- Springer Nature Book series “Ecosystem Services-Landscape and Spatial Planning Perspectives” (2022-)
- Land Use Policy (2016-) (ISI indexed)
- Journal of Biodiversity Science, Ecosystem Services & Management (2016-2019)
- Ecosystems and People (2019-) (ISI indexed) Scopus indexed)
- Landscape and Urban Planning (2014-2020) (ISI indexed)
- Environmental Impact Assessment Review (2007-) (ISI indexed)
- Impact Assessment and Project Appraisal (2011-) (ISI indexed)
- Journal of Environmental Assessment Policy and Management (2009-) (ISI indexed)
- The Italian Journal of Planning Practice (2020-)
- Land (2020-) (ISI indexed)
- Sustainability (Board member for Section 'Sustainable Urban and Rural Development') (2018-) (ISI indexed)
- UVP-Report (2021-)
- Planning Malaysia Journal (2008-) (Scopus indexed)

Emeritus Board Member:

- Landscape and Urban Planning (2021-)

Guest Editor:

- Mapping and assessing ecosystem services: methods and practical applications, Special issue for OneEcosystem (with Fernando Santos and Benjamin Burkhard) (2019)
- Qualitative Methods for Eliciting Judgements for Decision Making, Special Feature for the journal “Methods in Ecology and Evolution” (with William Sutherland, Mark Everard, Lynn Dicks) (2018)
- Ecosystem services supporting integrative natural resource management, Special issue for the International Journal of Biodiversity Science, Ecosystem Services & Management (with S. Luque, C. Furst and G. Martínez Pastur) (2018)
- Nature-based solutions for urban challenges, Special issue for Sustainability (2017)
- Sustainable Planning Approaches for Urban Peripheries (with D. La Rosa, M. Spyra and C. Albert), Special issue for Landscape and Urban Planning (2017)
- Pianificazione Territoriale e Processi Ecologici (with Vincenzo Cribari), Special Issue for Sentieri Urbani, issue 19 (2016)
- Developing and Applying Ecosystem Services Indicators in Decision-Support at Various Scales (J. Hauck, C. Albert, C. Furst, D. La Rosa, C. Lorz, M. Spyra), Special issue for Ecological Indicators (2015)
- Integration of ecological processes in land-use planning by using the concept of ecosystem services (with C. Furst et al.), Special issue for Ecological Processes, forthcoming
- Ecosystem services in EIA and SEA, special issue for Environmental Impact Assessment Review, Issue 40 (2013)

PhD SUPERVISION

As main supervisor:

Erica Bruno, University of Trento (jointly supervised with Dr. E. Falco). PhD topic: Nature-based solutions for urban planning (on-going)

Davide Longato, University of Trento. PhD topic: Nature-based solutions for urban planning (on-going)

Marta Crivellaro, University of Trento (jointly supervised with Prof. G. Zolezzi). PhD topic: Ecosystem services of river corridors

Susana Maria Orta Ortiz, University of Trento. PhD topic: Impact assessment of Nature-based solutions in cities (on-going)

Jarumi Kato Huerta, University of Trento. PhD topic: Nature-based solutions in cities: implications for ecosystem services and environmental justice (on-going)

Parenivel Pillay Mauree, Open University of Mauritius. PhD topic: Sustainable spatial planning in Mauritius (2018)

Chiara Cortinovis, University of Trento. PhD title: Integrating ecosystem services in urban planning (2018)

Linda Zardo, University of Trento. PhD thesis: Analyzing ecosystem services and green urban infrastructures to support urban planning (2017)

Blal Adem Esmail, University of Trento. PhD topic: Water infrastructures, ecosystem services and spatial planning (2016)

Parveen Kumar, University of Trento. PhD topic: Spatial planning and climate change adaptation (2015)

Lydia Lamorgese, University of Trento- PhD topic: Sustainability assessment of strategic land use decisions (2014)

Marika Ferrari, University of Trento. PhD topic: Integrating ecosystem services in strategic environmental assessment of land use plans (2014)

Chiara Bragagnolo, University of Trento. PhD topic: Treatment of cumulative effects in strategic environmental assessment (2011)

Francesco Orsi, University of Trento. PhD topic: Advanced spatial decision support tools for forest restoration planning (2010, Winner of the UNITN Best PhD thesis award)

Dorje Dawa, University of Trento. PhD topic: Environmental impact assessment of tourism in Ladakh, Indian Himalaya (2008)

As co-supervisor:

Javier Babí Almenar, University of Bordeaux. PhD topic: Nature-based solutions and urban planning (2021)

Gemechu Shale Ogato, Addis Ababa University. Topic: Pro-Poor and Urban Floods' Resilient Planning Tools for Small Towns in Ethiopia (2021)

Thomas Drobniak, Swiss Federal Institute of Technology Zurich (ETH). PhD Topic: Soil ecosystem services and spatial planning (2020)

M. Madati, Isfahan University of Technology, Isfahan, Iran. Topic: Spatial Decision Support System for Quantitative Environmental Impact Assessment (2018)

Daniel Alejandro Rozas Vasques, University of Bonn. PhD topic: Strategic Environmental Assessment of spatial planning (2017)

Mauro Carolli, University of Trento. PhD topic: Planning for multi-functional river systems (2015)

Paolo Picchi, University of Trento. PhD topic: Energy landscapes and ecosystem services (2015)

Carlos Zamorano Elgueta, Universidad de Alcalá de Henares. PhD topic: Prioritising forest restoration interventions in the coastal areas of Chile (2015)

Alma Debora Lithgow Serrano, Instituto de Ecología, Mexico. PhD topic: Identifying priority areas for ecosystem service restoration in the coastal region of Veracruz, Mexico (2014)

Rocco Scolozzi, University of Trento, PhD topic: Habitat functioning and connectivity assessment to support land-use planning (2009)

PhD COMMITTEES

Universidad Autónoma de Madrid: Member of the Evaluation Committee of the PhD dissertation of Mr. Alberto González García (2022)

Martin Luther University Halle-Wittenberg: External referee for the PhD dissertation of Ms. HongMi Koo (2021)

University of Innsbruck: External referee for the PhD dissertation of Mr. Lukas Egarter Vigl (2018)
 AgroParisTech, Doctoral School ABIES (Agriculture Food Biology Environment Health): External examiner of the PhD dissertation of Mr Giacomo Fedele (2017)
 Polytechnic University of Milan, PhD Course in Urban Planning, Design and Policy: External examiner of the PhD dissertation of Ms Silvia Ronchi (2017)
 North-West University, Faculty of Natural Sciences (South Africa): External examiner for PhD dissertation on environmental assessment (2016)
 University of Catania, Department of Civil Engineering and Architecture (Italy): External examiner of the PhD dissertation of Ms Viviana Pappalardo (2016)
 Swedish Agricultural University (Sweden): "Opponent" for the defence of the PhD dissertation of Mr. Anu Korosuo (2013)
 Aalborg University (Denmark): Member of the Evaluation Committee of the PhD dissertation of Ms. Jingjing Gao (2013)
 Royal Institute of Technology (Sweden): "Opponent" for the defence of the PhD dissertation of Mr. Mikael Gontier, (2008)
 University of Alcalá de Henares (Spain): Member of the Evaluation Committee of the PhD dissertation of Mr. Luis Cayuela (2006)
 University of Santiago de Compostela (Spain): Member of the Evaluation Committee of the PhD dissertation of Ms. Ines Sante Riveira (2005)

AWARDS and FELLOWSHIPS

"Friedrich Wilhelm Bessel Research Award" conferred by the Alexander von Humboldt-Stiftung/ Foundation in recognition of past accomplishments in research (2021)
 "City Innovative Thinker Award", MIT Pandemic Response CoLab, Post-COVID-19 Challenge (2021)
 "José María Sarriegi Major Catastrophe Research Award", Fundación Aon España, (2019)
 "Giorgio Ruffolo Mid-Career Fellowship in Sustainability Science", Harvard University (2010-2011)
 Selected as Seconded National Expert at the Institute for Environment and Sustainability, Joint Research Centre (JRC) of the European Commission (2009). (position not accepted for personal reasons)
 Grant for 'High-level lectures' - Secretariat of Foreign Affairs of the Mexican Government (2006).
 Grant for 'High-level lectures' - Secretariat of Foreign Affairs of the Mexican Government (2004).
 Grant for 'High-level lectures' - Secretariat of Foreign Affairs of the Mexican Government (2003).
 Young author award (Premio giovani autori), IV Conferenza Nazionale ASITA "Informazione innovazione e formazione", Genova (2000).

TRAINING and SHORT COURSES (international)

I offered over 30 training courses (2-5 days) internationally on SEA, ecosystem services, EIA, multicriteria analysis and environmental decision-making. These include:

Multicriteria analysis for environmental impact assessment of projects and plans: Theory and practice, Florence, April 2015 (Pre-conference training course for the International Association for Impact Assessment Annual Meeting)
 Spatial Multicriteria Analysis for Environmental Decision-making. Course offered in the doctoral programme of the Thule Institute, University of Oulu, January 21-23 2015
 Integrating ecosystem services in Strategic Environmental Assessment for policy support. A training for the Town and Country Planning Division of the Ministry of Planning and Sustainable Development, Trinidad and Tobago. Port of Spain, December 3-5 2014.
 Multicriteria analysis for environmental impact assessment of projects and plans: Theory and practice, Calgary, May 2013 (Pre-conference training course for the International Association for Impact Assessment Annual Meeting)
 Theory and practice of multicriteria analysis for environmental impact assessment of plans and projects, Porto, May 2012 (Pre-conference training course for the International Association for Impact Assessment Annual Meeting)

Multicriteria analysis for spatial planning and policy making, SETAC Summer School GIS-based modeling of chemical fate, transport and impacts for policy support. Trento, 23-29 July 2012

Multicriteria analysis for environmental impact assessment of projects and plans 29 May 2011, Puebla, Mexico (Pre-conference training course for the International Association for Impact Assessment Annual Meeting)

Training course on the principles of Strategic environmental assessment. Pontificia Universidad Católica de Chile, Villarrica, Chile, 18-29 January 2010

Decision support systems for environmental decision-making, Centro Andaluz de Medio Ambiente, Granada, 28-30 September 2009

Decision support system for spatial planning, Summer school in Spatial Decision Support Systems for Tourism Planning, University of Bologna, Rimini, September 2007, 2008 and 2009

Multicriteria analysis for environmental decisions", MSc Programme in "Ecosystem Restoration", Universidad de Alcalá de Henares, Spain, 2007

Multicriteria analysis for environmental assessment and planning, International Islamic University of Malaysia, Kuala Lumpur, August 16-18 2006

Multicriteria analysis for Environmental Impact Assessment, Pre-conference training course, International Association for Landscape Ecology World Congress, Wageningen, 8 July 2007

Decision support systems for environmental decision-making", Instituto de Geografía, UNAM, Mexico City, 3-7 April 2006

Multi-criteria Analysis for Spatial Planning and Decision Making", International Islamic University of Malaysia, Kuala Lumpur, August 22-26 2005

Advanced course on Spatial Decision Support Systems, Universidad Autonoma de Morelos, Cuernavaca, February 2005

Spatial Decision Support Systems, Universidad Autonoma de Morelos, Cuernavaca, February 2004

Decision Support Systems and GIS for environmental management, Autonomous University of Queretaro, Queretaro, March 2003

GIS and decision support for environmental tourism planning, Autonomous University of Guerrero, Acapulco, October 8-12 2001.

TRAINING and SHORT COURSES (AS COORDINATOR)

- Coordinator of the course "Nature-based Solutions in Urban Planning" February 5th – 7th, 2019, Trento
- Short course "Spatial multicriteria analysis for environmental decision-making", (5 editions: 2012, 2013, 2014, 2016, 2017), University of Trento
- Coordinator of the short course "Agent-based modelling for geographical applications", University of Trento, Trento, 12-14 September 2018
- Training course "*Corso teorico-pratico sulla Valutazione Ambientale Strategica dei piani urbanistici e territoriali*" (4 editions: 2010, 2011, 2012, 2013), University of Trento
- Coordinator of the international Training on Strategic Environmental Assessment, funded by the EASY-ECO Evaluation of Sustainability EC Marie Curie Action, Trento, 8-12 March 2010

CONSULTING for INTERNATIONAL INSTITUTIONS and RESEARCH CENTRES

- Consultant for the **European Commission**, expert reviewer for Horizon 2020 proposals (2019a)
- Consultant for the **European Commission**, expert reviewer for Horizon 2020 proposals (2019b)
- Consultant for the **European Commission**, expert contract to advice on implementation of EU research and innovation policy on "Urban Green Infrastructures Mapping and Assessment" (2017-2019)
- Consultant for the **Italian Government** to advise on environmental matters of the regional Smart Specialization Strategy (2015-16)
- Consultant for **UN-Habitat** to design and deliver a Training for Trainers programme on Strategic Environmental Assessment for spatial planning in Kosovo (2015)
- Consultant for the **European Commission**, expert reviewer for Horizon 2020 proposals (2014 and 2015)

- Consultant for **Helmholtz Centre for Environmental Research** GmbH - UFZ (Leipzig / Germany) to provide a method profile on Multicriteria Analysis for the ValueES guidance manual on ecosystem services analysis (2013-2014)
- Consultant for the **United Nations Environment Programme** to prepare a manual on the Integration of Ecosystem Services in Strategic Environmental Assessment (2013-2014)
- Consultant for **UN-Habitat** to prepare a Guidance document to support the implementation of Strategic Environmental Assessment for spatial planning in Kosovo (2014)
- Consultant for **UN-Habitat** to perform Strategic Environmental Assessment of the Spatial Plan of the Bjeshkët e Nemuna National Park (2013)
- Consultant for **UN-Habitat** to perform Strategic Environmental Assessment of Municipal Development Plans in Kosovo (2013)
- Consultant for the **UK Nuclear Decommissioning Authority** to advise on multi-criteria decision analysis for site selection (2012)

PUBLICATIONS

Selected scholarly articles

2022

- Geneletti, D., Cortinovis, C., & Zardo, L. (2022). Simulating crowding of urban green areas to manage access during lockdowns. *Landscape and Urban Planning*, 219, 104319.
- Balist, J., Malekmohammadi, B., Jafari, H. R., Nohegar, A., & Geneletti, D. (2022). Detecting land use and climate impacts on water yield ecosystem service in arid and semi-arid areas. A study in Sirvan River Basin-Iran. *Applied Water Science*, 12(1), 1-14.

2021

- Bussola, F., Falco, E., Aukes, E., Stegmaier, P., Sorge, S., Ciolli, M., Gagliano, C. and Geneletti, D., 2021. Piloting a more inclusive governance innovation strategy for forest ecosystem services management in Primiero, Italy. *Ecosystem services*, 52, p.101380.
- Tomaskinova J, Geneletti D, Dicks LV, Grace M, Collier M, Longato D, Stoev P, Sapundzhieva A, Balzan MV (2021) Capacity-building as an instrument to foster the implementation of nature-based solutions. *Research Ideas and Outcomes* 7: e77666. <https://doi.org/10.3897/rio.7.e77666>
- Scolozzi, R., Geneletti, D. (2021) Priorità locali di adattamento ai cambiamenti climatici: un metodo di screening. *Territorio*, pp. 97-107, DOI:10.3280/TR2021-096009
- Salvia, M., Olazabal, M., Fokaides, P. A., Tardieu, L., Simoes, S. G., Geneletti, D., ... & Reckien, D. (2021). Climate mitigation in the Mediterranean Europe: An assessment of regional and city-level plans. *Journal of Environmental Management*, 295, 113146. <https://doi.org/10.1016/j.jenvman.2021.113146>
- Cortinovis, C., Geneletti, D., & Hedlund, K. (2021). Synthesizing multiple ecosystem service assessments for urban planning: A review of approaches, and recommendations. *Landscape and Urban Planning*, 213, 104129. <https://doi.org/10.1016/j.landurbplan.2021.104129>
- Longato, D., Cortinovis, C., Albert, C., & Geneletti, D. (2021). Practical applications of ecosystem services in spatial planning: Lessons learned from a systematic literature review. *Environmental Science & Policy*, 119, 72-84. doi.org/10.1016/j.envsci.2021.02.001
- Pietrapertosa, F., Salvia, M., Hurtado, S.D.G., Geneletti, D., D'Alonzo, V. and Reckien, D., 2021. Multi-level climate change planning: An analysis of the Italian case. *Journal of Environmental Management*, 289, p.112469. doi.org/10.1016/j.jenvman.2021.112469
- Ogato, G. S., Bantider, A., & Geneletti, D. (2021). Dynamics of land use and land cover changes in Huluka watershed of Oromia Regional State, Ethiopia. *Environmental Systems Research* 10 (10), <https://doi.org/10.1186/s40068-021-00218-4>
- Salvia M., Reckien D., Pietrapertosa F., Eckersley P., Spyridaki N., Krook-Riekkola A., Olazabal M., De Gregorio Hurtado, S., Simoesi S.G., Geneletti D. et al. (2021) Will climate mitigation ambitions lead to carbon neutrality? An analysis of the local-level plans of 327 cities in the EU. *Renewable and Sustainable Energy Reviews* 135, 110253. <https://doi.org/10.1016/j.rser.2020.110253>
- Grace, M., Balzan, M., Collier, M., Geneletti, D., Tomaskinova, J., Abela, R., ... & Cassar, N. (2021) Priority knowledge needs for implementing nature-based solutions in the Mediterranean islands. *Environmental Science & Policy*, 116, 56-68. <https://doi.org/10.1016/j.envsci.2020.10.003>
- Semeraro, T.; Radicchio, B.; Medagli, P.; Arzeni, S.; Turco, A.; Geneletti, D. (2021) Integration of Ecosystem Services in Strategic Environmental Assessment of a Peri-Urban Development Plan. *Sustainability*, 13, 122. <https://dx.doi.org/10.3390/su13010122>
- Primmer, E., Varumo, L., Krause, T., Orsi, F., Geneletti, D., Brogaard, S., ... & Kister, J. (2021). Mapping Europe's institutional landscape for forest ecosystem service provision, innovations and governance. *Ecosystem Services*, 47, 101225. <https://doi.org/10.1016/j.ecoser.2020.101225>
- Almenar, J. B., Elliot, T., Rugani, B., Philippe, B., Gutierrez, T. N., Sonnemann, G., & Geneletti, D. (2021) Nexus between nature-based solutions, ecosystem services and urban challenges. *Land Use Policy*, 100, 104898. <https://doi.org/10.1016/j.landusepol.2020.104898>

2020

- Tomaskinova J, Dicks L, Collier M, Geneletti D, Grace M, Longato D, Sadula R, Stoev P, Sapundzhieva A, Balzan MV (2020) Capacity-building and networking events for nature-based solutions and re-naturing in Malta. *Research Ideas and Outcomes* 6: e60893. <https://doi.org/10.3897/rio.6.e60893>

- Balzan MV, Tomaskinova J, Collier MJ, Dicks L, Geneletti D, Grace M, Longato D, Sadula R, Stoev P, Sapundzhieva A (2020) Building capacity for mainstreaming nature-based solutions into environmental policy and landscape planning. *Research Ideas and Outcomes* 6: e58970. <https://doi.org/10.3897/rio.6.e58970>
- Sapundzhieva A, Balzan MV, Tomaskinova J, De Santis L, Collier MJ, Williams J, Dicks L, Grace M, Geneletti D, Demirova I (2020) ReNature: creating the first nature-based solutions compendium in the Mediterranean. *Research Ideas and Outcomes* 6: e59646. <https://doi.org/10.3897/rio.6.e59646>
- Picchi, P., Verzandvoort, S., Geneletti, D., Hendriks, K. and Stremke, S. (2020), "Deploying ecosystem services to develop sustainable energy landscapes: a case study from the Netherlands", *Smart and Sustainable Built Environment*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/SASBE-02-2020-0010>
- Geneletti D, Adem Esmail B, Cortinovis C, Arany I, Balzan M, van Beukering P, Bicking S, Borges PA, Borisova B, et al. (2020) Ecosystem services mapping and assessment for policy- and decision-making: Lessons learned from a comparative analysis of European case studies. *One Ecosystem* 5: e53111. <https://doi.org/10.3897/oneeco.5.e53111>
- Ferretti, V., & Geneletti, D. (2020). Does the spatial representation affect criteria weights in environmental decision-making? Insights from a behavioral experiment. *Land Use Policy*, 97, 104613. <https://doi.org/10.1016/j.landusepol.2020.104613>
- Orsi, F., Ciolli, M., Primmer, E., Varumo, L., & Geneletti, D. (2020). Mapping hotspots and bundles of forest ecosystem services across the European Union. *Land Use Policy*, 99, 104840. <https://doi.org/10.1016/j.landusepol.2020.104840>
- Cortinovis, C., & Geneletti, D. (2020). A performance-based planning approach integrating supply and demand of urban ecosystem services. *Landscape and Urban Planning*, 201. <https://doi.org/10.1016/j.landurbplan.2020.103842>
- Ogato, G. S., Bantider, A., Abebe, K., & Geneletti, D. (2020). Geographic information system (GIS)-Based multicriteria analysis of flooding hazard and risk in Ambo Town and its watershed, West shoa zone, Oromia regional State, Ethiopia. *Journal of Hydrology: Regional Studies*, 27, 100659. <https://doi.org/10.1016/j.ejrh.2019.100659>
- Rosa, J. C. S., Geneletti, D., Morrison-Saunders, A., Sánchez, L. E., & Hughes, M. (2020). To what extent can mine rehabilitation restore recreational use of forest land? Learning from 50 years of practice in southwest Australia. *Land Use Policy*, 90, 104290. <https://doi.org/10.1016/j.landusepol.2019.104290>

2019

- Longato, D. Geneletti, D. (2019). Nature-based solutions: new challenges for urban planning. pp.3785-3792. In *AESOP 2019 Conference - Book of Papers* - ISBN:978-88-99243-93-7
- Scolozzi, R., Schirpke, U., & Geneletti, D. (2019). Enhancing Ecosystem Services Management in Protected Areas Through Participatory System Dynamics Modelling. *Landscape Online*, 73, 1-17.
- Geneletti, D. Editorial. *Journal of Environmental Assessment Policy and Management*, Vol. 21, No. 2 (July 2019) 1901001 (2 pages). doi.org/10.1142/S1464333219010014
- Rosa J, A Morrison-Saunders, L Sánchez, M Hughes and D Geneletti (2019) Applying ecosystem services assessment in closure planning to enhance post-mining land-use outcomes: learning from bauxite mining in Brazil and Australia, In: AB Fourie & M Tibbett (eds) *Mine Closure 2019: Proceedings of the 13th International Conference on Mine Closure*, Australian Centre for Geomechanics, Perth, 923-936 ISBN 978-0-9876389-3-9
- Rozas-Vásquez, D., Fürst, C., & Geneletti, D. (2019). Integrating ecosystem services in spatial planning and strategic environmental assessment: The role of the cascade model. *Environmental Impact Assessment Review*, 78, 106291. <https://doi.org/10.1016/j.eiar.2019.106291>
- Geneletti, D. Editorial. *Journal of Environmental Assessment Policy and Management* Vol. 21, No. 3 (September 2019) 1901002 (3 pages)
- Cortinovis, C., & Geneletti, D. (2019). A framework to explore the effects of urban planning decisions on regulating ecosystem services in cities. *Ecosystem Services*, 38, 100946. doi:10.1016/j.ecoser.2019.100946
- Pietrapertosa, F., Salvia, M., Hurtado, S. D. G., d'Alonzo, V., Church, J. M., Geneletti, D., ... & Reckien, D. (2019). Urban climate change mitigation and adaptation planning: are Italian cities ready?. *Cities*, 91, 93-105. <https://doi.org/10.1016/j.cities.2018.11.009>

- Almenar, J. B., Bolowich, A., Elliot, T., Geneletti, D., Sonnemann, G., & Rugani, B. (2019). Assessing habitat loss, fragmentation and ecological connectivity in Luxembourg to support spatial planning. *Landscape and Urban Planning*, 189, 335-351. <https://doi.org/10.1016/j.landurbplan.2019.05.004>
- Montaño, M., Ramos, T. B., & Geneletti, D. (2019). Editorial: Special Issue on Re-thinking Sustainability Models and Practices: Challenges for the New and Old World. *Journal of Environmental Assessment Policy and Management*, Vol. 21, No. 1, 1902001 (3 pages). <https://doi.org/10.1142/S1464333219020010>
- Santos-Martín F, Geneletti D, Burkhard B (2019) Mapping and assessing ecosystem services: Methods and practical applications. *One Ecosystem* 4: e35904. <https://doi.org/10.3897/oneeco.4.e35904>
- Reckien, D., Salvia, M., Pietrapertosa, F., Simoes, S. G., Olazabal, M., Hurtado, S. D. G., Geneletti, D... & Fokaides, P. A. (2019). Dedicated versus mainstreaming approaches in local climate plans in Europe. *Renewable and Sustainable Energy Reviews*, 112, 948-959. <https://doi.org/10.1016/j.rser.2019.05.014>
- Picchi, P., van Lierop, M., Geneletti, D., & Stremke, S. (2019). Advancing the relationship between renewable energy and ecosystem services for landscape planning and design: A literature review. *Ecosystem services*, 35, 241-259. doi.org/10.1016/j.ecoser.2018.12.010
- Mukherjee, N., Rose, D., Everard, M., Geneletti, D., & Sutherland, W. (2019). Response to Expanding the role of social science in conservation through an engagement with philosophy, methodology and methods. *Methods Ecology and Evolution*, 9: 7–9. DOI: 10.1111/2041-210X.13130
- Cortinovis, C., Haase, D., Zanon, B., & Geneletti, D. (2019). Is urban spatial development on the right track? Comparing strategies and trends in the European Union. *Landscape and Urban Planning*, 181, 22-37. <https://doi.org/10.1016/j.landurbplan.2018.09.007>
- Spyra, M., Kleemann, J., Cetin, N.I., Navarrete, C.J.V., Albert, C., Palacios-Agundez, I., Ametzaga-Arregi, I., La Rosa, D., Rozas-Vásquez, D., Esmail, B.A. and Picchi, P. (2019) The ecosystem services concept: a new Esperanto to facilitate participatory planning processes?. *Landscape Ecology* 34:1715–1735. <https://doi.org/10.1007/s10980-018-0745-6>

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- Almenar, J. B., Rugani, B., Geneletti, D., & Brewer, T. (2018). Integration of ecosystem services into a conceptual spatial planning framework based on a landscape ecology perspective. *Landscape Ecology*, 33(12), 2047-2059. <https://doi.org/10.1007/s10980-018-0727-8>
- Geneletti, D and Marttunen, M (2018). Editorial. *Journal of Environmental Assessment Policy and Management* Vol. 20, No. 3 (September 2018) 1802001 (4 pages). DOI: 10.1142/S1464333218020015
- Tiitu, M., Viinikka, A., Kopperoinen, L., & Geneletti, D. (2018). Balancing Urban Green Space and Residential Infill Development: A Spatial Multi-Criteria Approach Based on Practitioner Engagement. *Journal of Environmental Assessment Policy and Management*, 20(03), 1840004. DOI: 10.1142/S1464333218400045
- Geneletti, D., Biasioli, A., Morrison-Saunders, A., Adem Esmail, B. (2018). Consumo di suolo e efficacia dello screening nella Valutazione di Impatto Ambientale: Risultati di uno studio empirico. In: Arcidiacono, A., Di Simine, D., Ronchi, S., Salata, S. (Eds): consumo di suolo, servizi ecosistemici e green infrastructures. Rapporto 2018. Centro di Ricerca sui Consumi di Suolo. INU Edizioni, Roma, pp.151-155.
- Geneletti, D., Scolozzi, R. & Adem Esmail, B. (2018) Assessing ecosystem services and biodiversity tradeoffs across agricultural landscapes in a mountain region, *International Journal of Biodiversity Science, Ecosystem Services & Management*, 14:1, 189-209, DOI: 10.1080/21513732.2018.1526214
- Geneletti, D (2018). Editorial. *Journal of Environmental Assessment Policy and Management* Vol. 20, No. 4 (December 2018) 1801003 (3 pages). DOI: 10.1142/S1464333218010032
- Cortinovis, C., Zulian, G., & Geneletti, D. (2018). Assessing Nature-Based Recreation to Support Urban Green Infrastructure Planning in Trento (Italy). *Land*, 7(4), 112. <https://doi.org/10.3390/land7040112>
- Burkhard B, Maes J, Potschin-Young MB, Santos-Martín F, Geneletti D, et al. (2018) Mapping and assessing ecosystem services in the EU - Lessons learned from the ESMERALDA approach of integration. *One Ecosystem* 3: e29153. 10.3897/oneeco.3.e29153

- Geneletti D, Adem Esmail B, Cortinovis C (2018) Identifying representative case studies for ecosystem services mapping and assessment across Europe. *One Ecosystem* 3: e25382. 10.3897/oneeco.3.e25382
- Geneletti, D (2018). Editorial. *Journal of Environmental Assessment Policy and Management*, 20(02) 1801002 (2 pages) DOI: 10.1142/S1464333218010020
- Cortinovis C, Geneletti D (2018) Mapping and assessing ecosystem services to support urban planning: A case study on brownfield regeneration in Trento, Italy. *One Ecosystem* 3: e25477. doi: 10.3897/oneeco.3.e25477.
- Orta Ortiz, M. S., & Geneletti, D. (2018). Assessing Mismatches in the Provision of Urban Ecosystem Services to Support Spatial Planning: A Case Study on Recreation and Food Supply in Havana, Cuba. *Sustainability* (2071-1050), 10(7). doi:10.3390/su10072165
- Rega, C., Singer, J. P., & Geneletti, D. (2018). Investigating the substantive effectiveness of Strategic Environmental Assessment of urban planning: Evidence from Italy and Spain. *Environmental Impact Assessment Review*, 73, 60-69. <https://doi.org/10.1016/j.eiar.2018.07.004>
- Geneletti, D (2018). Editorial. *Journal of Environmental Assessment Policy and Management*, 20(01) 1801001 (2 pages). DOI: 10.1142/S1464333218010019
- Maes J, Burkhard B, Geneletti D (2018) Ecosystem services are inclusive and deliver multiple values. A comment on the concept of nature's contributions to people. *One Ecosystem* 3: e24720. doi: 10.3897/oneeco.3.e24720
- Cortinovis, C. and Geneletti, D., 2018. Ecosystem services in urban plans: What is there, and what is still needed for better decisions. *Land Use Policy*, 70, pp.298-312.
- Sutherland, W.J., Dicks, L.V., Everard, M. and Geneletti, D., 2018. Qualitative methods for ecologists and conservation scientists. *Methods in Ecology and Evolution*, 9(1), pp.7-9.
- Adem Esmail, B. and Geneletti, D., 2018. Multi-criteria decision analysis for nature conservation: A review of 20 years of applications. *Methods in Ecology and Evolution*, 9(1), pp.42-53.
- Rozas-Vásquez, D, Fürst, C, Geneletti, D, Almendrae, O (2018) Integration of ecosystem services in strategic environmental assessment across spatial planning scales. *Land Use Policy*, 71, 303-310.
- Reckien, D., Salvia, M., Heidrich, O., Church, J. M., Pietrapertosa, F., De Gregorio-Hurtado, S.,...Geneletti, D et al. (2018). How are cities planning to respond to climate change? Assessment of local climate plans from 885 cities in the EU-28. *Journal of cleaner production*, 191, 207-219. <https://doi.org/10.1016/j.jclepro.2018.03.220>

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- Geneletti, D (2017). Editorial. *Journal of Environmental Assessment Policy and Management*, 19(04) 1701004. DOI: 10.1142/S1464333217010049
- Fürst C, Luque S, Geneletti D. 2017. Nexus thinking-how ecosystem services can contribute to enhancing the cross-scale and cross-sectoral coherence between land use, spatial planning and policy-making. *Int J Biodivers Sci Manage.* 13(1):412–421. doi.org/10.1080/21513732.2017.1396257
- Geneletti, D., Biasioli, A., & Morrison-Saunders, A. (2017). Land take and the effectiveness of project screening in Environmental Impact Assessment: Findings from an empirical study. *Environmental Impact Assessment Review*, 67, 117-123. doi.org/10.1016/j.eiar.2017.08.008
- Geneletti, D. (2017). Editorial. *Journal of Environmental Assessment Policy and Management*, 19(03), 1701003
- Fürst C, Luque S, Geneletti D. 2017. Nexus thinking – how ecosystem services concepts and practice can contribute balancing integrative resource management through facilitating cross-scale and cross-sectoral planning. *Int J Biodivers Sci Manage.* 13(1): i-iii. doi.org/10.1080/21513732.2017.1409310
- Raymond, C. M., Frantzeskaki, N., Kabisch, N., Berry, P., Breil, M., Nita, M. R., Geneletti, D & Calfapietra, C. (2017). A framework for assessing and implementing the co-benefits of nature-based solutions in urban areas. *Environmental Science & Policy*, 77, 15-24. doi.org/10.1016/j.envsci.2017.07.008
- Zardo, L., Geneletti, D., Pérez-Soba, M., & Van Eupen, M. (2017). Estimating the cooling capacity of green infrastructures to support urban planning. *Ecosystem Services*, 26, 225-235.
- La Rosa, D.; Geneletti, D.; Spyra, M, Albert, C. (2017) Special issue on sustainable planning approaches for urban peripheries. *Landscape and Urban Planning* 165, 172-176.
- Sallustio, L., De Toni, A., Strollo, A., Di Febbraro, M., Gissi, E., Casella, L., Geneletti, D., Munafò M, Vizzarri, M. & Marchetti, M. (2017). Assessing habitat quality in relation to the spatial distribution

- of protected areas in Italy. *Journal of Environmental Management*, 201, 129-137. doi.org/10.1016/j.jenvman.2017.06.031
- Geneletti, D. (2017). Editorial. *Journal of Environmental Assessment Policy and Management*, 19(02), 1701002
- Valatin et al. (2017) PESFOR-W: Improving the design and environmental effectiveness of woodlands for water Payments for Ecosystem Services. *Research Ideas and Outcomes* 3: e13828. <https://doi.org/10.3897/rio.3.e13828>
- Geneletti, D., La Rosa, D., Spyra, M., & Cortinovis, C. (2017). A review of approaches and challenges for sustainable planning in urban peripheries. *Landscape and Urban Planning* 165, 231-243.
- Geneletti, D. (2017). Editorial. *Journal of Environmental Assessment Policy and Management*, 19(01), 1701001
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