

PUBLICATIONS

Selected scholarly articles (full list available here:

<https://webapps.unitn.it/du/en/Persona/PER0000903/Pubblicazioni>)

2025

- Walther, F., Barton, D. N., Schwaab, J., Kato-Huerta, J., Immerzeel, B., Adamescu, M., ...Geneletti, D.... & Grêt-Regamey, A. (2025). Uncertainties in ecosystem services assessments and their implications for decision support—A semi-systematic literature review. *Ecosystem Services*, 73, 101714.
- Adem Esmail, Blal, Chiara Cortinovis, Sigvard Bast, Carl Cyrus Anderson, Lina Suleiman, Gustavo Arciniegas, Davide Geneletti, Ulla Mörtberg, and Christian Albert. "Planning for transformative change with nature-based solutions: a geodesign application in Stockholm." *Landscape and Urban Planning* (2024).
- Zamorano-Elgueta, C., Orsi, F., Geneletti, D., Cayuela, L., Hamer, R., Lara, A., & Benayas, J. M. R. (2024). Integrating Ecological Suitability and Socioeconomic Feasibility at Landscape Scale to Restore Biodiversity and Ecosystem Services in Southern Chile. *Environmental Management*, 1-18.
- Chelli, A., Brander, L., & Geneletti, D. (2025). Cost-Benefit analysis of urban nature-based solutions: A systematic review of approaches and scales with a focus on benefit valuation. *Ecosystem Services*, 71, 101684. <https://doi.org/10.1016/j.ecoser.2024.101684>
- Lovrić, M., Torralba, M., Orsi, F., Pettenella, D., Mann, C., Geneletti, D., ... & Winkel, G. (2025). Mind the income gap: Income from wood production exceed income from providing diverse ecosystem services from Europe's forests. *Ecosystem Services*, 71, 101689 <https://doi.org/10.1016/j.ecoser.2024.101689>

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- Adem Esmail, B., Cortinovis, C., Geneletti, D. et al. Mapping and Analyzing Ecosystem Services Hotspots and Coldspots for Sustainable Spatial Planning in the Greater Asmara Area, Eritrea. *Environmental Management* (2024). <https://doi.org/10.1007/s00267-024-02078-x>
- Adem Esmail, B., Anderson, C.C., Bast, S. et al. Geodesign to advance boundary work in urban planning: A study in Stockholm focused on nature-based solutions. *Ambio* (2024). <https://doi.org/10.1007/s13280-024-02083-8>
- Cortinovis, C., Frezzi, S., & Geneletti, D. (2024). Preliminary assessment of the knowledge gaps to reduce soil sealing and increase the reuse of urban soil. *Soils for Europe*, 2024, 1-11.
- Falco, E, Geneletti, D (2024) Editorial: Perspectives on Market-Based Tools for Ecosystem Services Supply in Urban and Peri-Urban Areas. *Land Use Policy* 145, 107276. <https://doi.org/10.1016/j.landusepol.2024.107276>
- Longato, D., Cortinovis, C., Balzan, M., & Geneletti, D. (2024). Identifying suitable policy instruments to promote nature-based solutions in urban plans. *Cities*, 154, 105348.
- Barton DN, Immerzeel B, Brander L, Grêt-Regamey A, Kato Huerta J, (...), Geneletti D, et al. (2024) Increasing uptake of ecosystem service assessments: best practice check-lists for practitioners in Europe. *One Ecosystem* 9: e120449. <https://doi.org/10.3897/oneeco.9.e1204>
- Cortinovis C, Frezzi S, Geneletti D (2024) Preliminary assessment of the knowledge gaps to reduce soil sealing and increase the reuse of urban soil. *Soils for Europe* 1: e119055. <https://doi.org/10.3897/soils4europe.e119055>
- Buzási, A., Simoes, S. G., Salvia, M., Eckersley, P., Geneletti, D., Pietrapertosa, F., ... & Reckien, D. (2024). European patterns of local adaptation planning—a regional analysis. *Regional Environmental Change*, 24(2), 1-16. [10.1007/s10113-024-02211-w](https://doi.org/10.1007/s10113-024-02211-w)
- Lessi, B.F., Geneletti, D., Cortinovis, C., Dias, M.M., Gonçalves Reis M. (2024) Bird richness and Ecosystems Services across an urban to natural gradient in south-eastern Brazil: implications for landscape planning and future scenarios. *One Ecosystem*, 9, e114955. <https://doi.org/10.3897/oneeco.9.e114955>
- Gezahegn Mulugeta, T; Formetta, G; Cortinovis, C; Adem Esmail, B; Geneletti, D (2024) Planning nature-based solutions for urban stormwater management /. - (2024). IDRA 2024, Parma nel 15th-18th September 2024 [10.5281/zenodo.13584917].

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- Cortinovis, C., Haase, D., Geneletti, D (2023) Gradual or abrupt? An algorithm to monitor urban vegetation dynamics in support of greening policies. *Urban Forestry & Urban Greening*, 2023, 128030.

- Reckien, D., Buzasi, A., Olazabal, M., Spyridaki, N. A., Eckersley, P., Simoes, S. G., ...Geneletti, D. ... & Wejs, A. (2023). Quality of urban climate adaptation plans over time. *npj Urban sustainability*, 3(1), 13. <https://doi.org/10.1038/s42949-023-00085-1>
- Kato-Huerta, J., & Geneletti, D. (2023). Analysing the treatment of environmental justice and nature-based solutions in the Urban Climate Action Plans of Latin American metropolitan areas. *Local Environment*, 1–22. <https://doi.org/10.1080/13549839.2023.2221431>
- Li, J., Geneletti, D., & Wang, H. (2023). Understanding supply-demand mismatches in ecosystem services and interactive effects of drivers to support spatial planning in Tianjin metropolis, China. *Science of The Total Environment*, 165067.
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- Pietrapertosa, F., Olazabal, M., Simoes, S. G., Salvia, M., Fokaides, P. A., Ioannou, B. I., ... Geneletti, D., ... & Reckien, D. (2023). Adaptation to climate change in cities of Mediterranean Europe. *Cities*, 140, 104452. <https://doi.org/10.1016/j.cities.2023.104452>
- Orta-Ortiz, M.S. and Geneletti, D. "Prioritizing urban nature-based solutions to support scaling-out strategies: A case study in Las Palmas de Gran Canaria." *Environmental Impact Assessment Review* 102 (2023): 107158. <https://doi.org/10.1016/j.eiar.2023.107158>
- Bruno, E., Falco, E., Shahab, S., & Geneletti, D. (2023). Integrating ecosystem services in transfer of development rights: a literature review. *Land Use Policy*, 131, 106694. <https://doi.org/10.1016/j.landusepol.2023.106694>
- Adem Esmail, B., Cortinovis, C., Wang, J., Geneletti, D., & Albert, C. (2023). Mapping and assessing ecosystem services for sustainable policy and decision-making in Eritrea. *Ambio*, 1-18. <https://doi.org/10.1007/s13280-023-01841-4>
- Longato, D., Cortinovis, C., Balzan, M., & Geneletti, D. (2023). A method to prioritize and allocate nature-based solutions in urban areas based on ecosystem service demand. *Landscape and Urban Planning*, 235, 104743. <https://doi.org/10.1016/j.landurbplan.2023.104743>
- Salvia, M., Reckien, D., Geneletti, D., Pietrapertosa, F., D'Alonzo, V., Hurtado, S. D. G., ... & Ürge-Vorsatz, D. (2023). Understanding the motivations and implications of climate emergency declarations in cities: The case of Italy. *Renewable and Sustainable Energy Reviews*, 178, 113236. <https://doi.org/10.1016/j.rser.2023.113236>
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- Almenar, J.B., Petucco, C., Sonnemann, G., Geneletti, D., Elliot, T. and Rugani, B., 2023. Modelling the net environmental and economic impacts of urban nature-based solutions by combining ecosystem services, system dynamics and life cycle thinking: An application to urban forests. *Ecosystem Services*, 60, p.101506.
- Hughes, A.C., Tougeron, K., Martin, D.A., Menga, F., Rosado, B.H., Villasante, S., Madgulkar, S., Gonçalves, F., Geneletti, D., Diele-Viegas, L.M. and Berger, S., 2023. Smaller human populations are neither a necessary nor sufficient condition for biodiversity conservation. *Biological Conservation*, 277, p.109841.
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- Cortinovis, C., Geneletti, D., & Haase, D. (2022). Higher immigration and lower land take rates are driving a new densification wave in European cities. *npj Urban Sustainability*, 2(1), 1-14. doi.org/10.1038/s42949-022-00062-0
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- Orta-Ortiz, MS, Geneletti, D (2022). What variables matter when designing nature-based solutions for stormwater management? A review of impacts on ecosystem services. *Environmental Impact Assessment Review*, 95. <https://doi.org/10.1016/j.eiar.2022.106802>
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- Scolozzi, R., Schirpke, U., & Geneletti, D. (2019). Enhancing Ecosystem Services Management in Protected Areas Through Participatory System Dynamics Modelling. *Landscape Online*, 73, 1-17.
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