

Scientific publication list for Anthesis

Research is one of the core activities of Anthesis Sweden since its inception in 2004. It is a cornerstone for Anthesis' objective of being able to provide high-quality and scientifically based consultancy services and education together with consultancy work and education.

Anthesis Sweden is typically involved in Swedish and international research projects as a leader, partner or subcontractor. The projects tend to be multidisciplinary and carried out in cooperation with universities, research institutes or consultancies.

An important research output is scientific publications. This output is documented below by listing scientific peer-reviewed papers that have been (co-)authored by Anthesis' staff and published in scientific journals or books. The author(s) belonging to Anthesis' staff at the time the research was carried out is put in **bold** text. The list below does not include other scientific publications, such as conference papers and working papers.

38. Kriit, H. K., Nilsson Sommar J., **Åström S.**, 2024, "Socioeconomic per-case costs of stroke, myocardial infarction, and preterm birth attributable to air pollution in Sweden." *PloS one* 19(1): e0290766.
37. **Åström, S.** and L. Källmark, 2023, "An Assessment of the Climate Damage Costs of European Short-Lived Climate Forcers." *Journal of Benefit-Cost Analysis* Volume 14 (2, Summer 2023): pp- 230-250. doi:10.1017/bca.2023.8
36. **Åström, S.**, 2023, Perspectives on using cost-benefit analysis to set environmental targets – a compilation and discussion of arguments informed by the process leading to the 2016 EU air pollution emission targets, *Environmental Impact Assessment Review* 2023 Vol. 98, DOI: 10.1016/j.eiar.2022.106941
35. Bali Swain, R., Karimu, A., **Gråd, E.** (2022). Sustainable development, renewable energy transformation and employment impact in the EU. *International Journal of Sustainable Development & World Ecology*, 29(8), 695–708. <https://doi.org/10.1080/13504509.2022.2078902>
34. Thomas J-BE., Sinha R., Strand Å., **Söderqvist, T.**, Stadmark, J., Franzén, F., Ingmansson, I., Gröndahl, F., Hasselström, L., 2021. Marine biomass for a circular blue-green bioeconomy? A life cycle perspective on closing nitrogen and phosphorus land–marine loops. *J Ind Ecol.* 2021;1–18. <https://doi.org/10.1111/jiec.13177>
33. Sjöstrand, K., Lindhe, A., **Söderqvist, T.**, Rosén, L., 2020. Water Supply Delivery Failures – A Scenario-Based Approach to Assess Economic Losses and Risk Reduction Options. *Water* 2020, 12, 1746. DOI: <https://doi.org/10.3390/w12061746>
32. Sundblad, G., Bergström, L., **Söderqvist, T.**, Bergström, U., 2019. Predicting the effects of eutrophication mitigation on predatory fish biomass and the value of recreational fisheries. *Ambio*. DOI: <https://doi.org/10.1007/s13280-019-01263-1>
31. Sjöstrand K., Lindhe A., **Söderqvist T.**, Dahlqvist P., Rosén L., 2019. Marginal Abatement Cost Curves for Water Scarcity Mitigation under Uncertainty. *Water Resources Management* 33: 4335–4349. DOI: <https://doi.org/10.1007/s11269-019-02376-8>
30. Balfors, B., **Wallström, J.**, Lundberg, K., **Söderqvist, T.**, Hörnberg, C., Högström, J., 2018. Strategic Environmental Assessment in Swedish municipal planning: Trends and challenges. *Environmental Impact Assessment Review* 73, 152-163.
29. Sjöstrand, K., Lindhe, A., **Söderqvist, T.**, Rosén, L., 2018. Sustainability assessments of regional water supply interventions – combining cost-benefit and multi-criteria decision analyses. *Journal of Environmental Management* 225, 313- 324.
28. Hansen, K., Malmaeus, M., **Hasselström, L.**, Lindblom, E., Norén, K., Olshammar, M., **Söderqvist, T.**, **Soutukorva, Å.**, 2018. Integrating ecosystem services in Swedish environmental assessments: An empirical analysis. *Impact Assessment and Project Appraisal*, DOI: 10.1080/14615517.2018.1445178.

27. Anderson, R., Norrman, J., Back, P.-E., **Söderqvist, T.**, Rosén, L., 2018. What's the point? The contribution of a sustainability view in contaminated site remediation. *Science of the Total Environment* 630, 103-116.
26. **Söderqvist, T.**, Bas, B., de Bel, M., Boon, A., Elginöz, N., Garção, R., Giannakis, E., Giannouli, A., Koundouri, P., Moussoulides, A., Norrman, J., Rosén, L., Schouten, J.-J., Stuver, M., Tsani, S., Xepapadeas, P., Xepapadeas, T., 2017. Socioeconomic analysis of a selected multi-use offshore site in the North Sea. In: Koundouri, P. (Ed.), *The Ocean of Tomorrow: Investment Assessment of Multi-Use Offshore Platforms: Methodology and Applications*, Volume 0031. Springer International Publishing AG, Cham, Switzerland, pp. 43-67.
25. **Hasselström, L.**, Håkansson, C., Noring, M., **Soutukorva, Å.**, Khaleeva, Y., 2017. Costs and benefits associated with marine oil spill prevention in northern Norway. *The Polar Journal*, DOI: <http://dx.doi.org/10.1080/2154896X.2017.1310491>
24. **Scharin, H.**, Ericsson, S., Elliott, M., Turner, R. K., Niiranen, S., Blenckner, T., Hyytiäinen, K., Ahlvik, L., Ahtiainen, H., Artell, J., **Hasselström, L.**, **Söderqvist, T.**, Rockström, J., 2016. Processes for the sustainable stewardship of marine environments. *Ecological Economics* 128, 55–67.
23. **Franzén, F.**, Dinnézt, P., Hammer, M., 2016. Factors affecting farmers' willingness to participate in eutrophication mitigation — A case study of preferences for wetland creation in Sweden. *Ecological Economics* 130, 8-15.
22. Noring, M., **Hasselström, L.**, Håkansson, C., **Soutukorva, Å.**, Gren, Å., 2016. Valuation of oil spill risk reductions in the Arctic. *Journal of Environmental Economics and Policy*. doi: <http://dx.doi.org/10.1080/21606544.2016.1155499>, 2016.
21. Stuver, M., Soma, K., Koundouri, P., van den Burg, S., Gerritsen, A., Harkamp, T., Dalsgaard, N., Zagonari, F., Guancho, R., Schouten, J.-J., Hommes, S., Giannouli, A., **Söderqvist, T.**, Rosén, L., Garção, R., Norrman, J., Röckmann, C., de Bel, M., Zanuttigh, B., Petersen, O., Møhlenberg, F., 2016. The governance of Multi-Use Platforms at Sea for energy production and aquaculture: Challenges for policy makers in European seas. *Sustainability* 8, 333; doi:10.3390/su8040333
20. Cole, S., **Kinell, G.**, **Söderqvist, T.**, Håkansson, C., **Hasselström, L.**, Izmalkov, S., Mikkelsen, E., Noring, M., Sandberg, A., Sjöberg, E., **Soutukorva, Å.**, **Franzén, F.**, Khaleeva, Y., 2016. Arctic Games: An analytical framework for identifying options for sustainable natural resource governance. *The Polar Journal*, 6, 30-50, doi: 10.1080/2154896X.2016.1171001.
19. van den Burg, S., Stuver, M., Norrman, J., Garção, R., **Söderqvist, T.**, Röckmann, C., Schouten, J.-J., Petersen, O., Guancho García, R., Diaz-Simal, P., de Bel, M., Meneses Aja, L., Zagonari, F., Zanuttigh, B., Sarmiento, J., Giannouli, A., Koundouri, P., 2016. Participatory design of multi-use platforms at sea. *Sustainability* 8, 127, doi: 10.3390/su8020127.
18. **Söderqvist, T.**, Brinkhoff, P., Norberg, T., Rosén, L., Back, P.-E., Norrman, J., 2015. Cost-benefit analysis as a part of sustainability assessment of remediation alternatives for contaminated land. *Journal of Environmental Management* 157, 267-278.
17. **Franzén, F.**, Hammer, M., Balfors, B., 2015. Institutional development for stakeholder participation in local water management—an analysis of two Swedish catchments. *Land Use Policy* 43, 217-227.
16. Czajkowski, M., Ahtiainen, H., Artell, J., Budziński, W., Hasler, B., **Hasselström, L.**, Meyerhoff, J., Nömmann, T., Semenienė, D., **Söderqvist, T.**, Tuhkanen, H., Lankia, T., Vanags, A., Zandersen, M., Żylicz, T., Hanley, N., 2015. SCIENTIFIC PUBLICATION LIST FOR ANTHESIS ENVECO Anthesis Enveco AB 5 Valuing the commons: An international study on the recreational benefits of the Baltic Sea. *Journal of Environmental Management* 156, 209-217.
15. Rosén, L., Back, P.-E., **Söderqvist, T.**, Norrman, J., Brinkhoff, P., Norberg, T., Volchko, Y., Norin, M., Bergknut, M., Döberl, G., 2015. SCORE: A Novel MultiCriteria Decision Analysis Approach to Assess the Sustainability of Contaminated Land Remediation. *Science of the Total Environment* 511, 621-638.

14. Ahtiainen, H., Artell, J., Elmgren, R., **Hasselström, L.**, Håkansson, C., 2014. Baltic Sea nutrient reductions - what should we aim for? *Journal of Environmental Management* 145, 9-23.
13. Ahtiainen, H., Artell, J., Czajkowski, M., Hasler, B., **Hasselström, L.**, Huhtala, A., Meyerhoff, J., Smart, J. C. R., **Söderqvist, T.**, Alemu, M. H., Angeli, D., Dahlbo, K., Fleming-Lehtinen, V., Hyytiäinen, K., Karlõševa, A., Khaleeva, Y., Maar, M., Martinsen, L., Nõmman, T., Pakalniete, K., Oskolokaite, I., Semeniene, D., 2014. Benefits of meeting nutrient reduction targets for the Baltic Sea – a contingent valuation study in the nine coastal states. *Journal of Environmental Economics and Policy* 3, 278-305.
12. Volchko, Y., Norrman, J., Rosén, L., Bergknut, M., Josefsson, S., **Söderqvist, T.**, Norberg, T., Wiberg, K., Tysklind, M., 2014. Using soil function evaluation in multi-criteria decision analysis for sustainability appraisal of remediation alternatives. *Science of the Total Environment* 485–486, 785-791.
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10. **Hasselström, L.**, Håkansson, C., 2013. Detailed or fuzzy information in nonmarket valuation studies – the role of familiarity. *Journal of Environmental Planning and Management* 57(1): 123-143.
9. Östberg, K., Håkansson, C., **Hasselström, L.**, Bostedt, G., 2013. Benefit transfer for environmental improvements in coastal areas: general vs. specific models. *Canadian Journal of Agricultural Economics* 61, 239–258.
8. Volchko, Y., Norrman, J., Bergknut, M., Rosén, L., **Söderqvist, T.**, 2013. Incorporating the soil function concept into sustainability appraisal of remediation alternatives. *Journal of Environmental Management* 129, 367-376.
7. **Franzén, F.**, **Kinell, G.**, Walve, J., Elmgren, R., **Söderqvist, T.**, 2011. Participatory social-ecological modeling in eutrophication management: the case of Himmerfjärden, Sweden". *Ecology and Society* 16 (4): 27. [online] URL: <http://www.ecologyandsociety.org/vol16/iss4/art27>.
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5. Lindahl, T., **Söderqvist, T.**, 2011. Who wants to save the Baltic Sea when the success is uncertain?, *Regional Environmental Change* 11, 133-147.
4. Östberg, K., **Hasselström, L.**, Håkansson, C. 2010. Non-market valuation of the coastal environment – uniting political aims, ecological and economic knowledge. *Journal of Environmental Management* 110, 166-178.
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2. Stål, J., Paulsen, S., Pihl, L., Rönnbäck, P., **Söderqvist, T.**, Wennhage, H., 2008. Coastal habitat support to fish and fisheries in Sweden: Integrating ecosystem functions into fisheries management. *Ocean and Coastal Management* 51, 594-600.
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