

CURRICULUM VITAE / Samuli Korpinen

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Nationality: Finnish
Gender: Male

PhD in Marine ecology, Adjunct Professor in Aquatic Sciences in Univ. Helsinki.

CURRENT RESEARCH INTERESTS

I have the privilege of working between multiple research fields and between science and policy. As the coordinator of expert work for the Finnish marine strategy, I can participate in new research areas, steer scientific efforts and also communicate these into the policy side (see publications). On top of these, my personal favorite research is in cumulative effects and adverse effects on marine environment. Latest achievement is the assessment 'Pressures and their effects in Europe's seas' for EEA. Not surprisingly, many of the latest papers deal with assessment methods. My old research interest in benthic ecology is still active thanks to the challenges raised from the MSFD implementation. Linking these with the cumulative effects science is rewarding and fun.

WORK EXPERIENCE

Finnish Environment Institute (SYKE), 1.8.2013 –

Occupation: Research Manager (1.12.2013-)

Current activities and responsibilities: Leading the national project for the marine strategy. Coordination of the national development of the monitoring programme, environmental targets and indicators for the marine strategy; developing a method to estimate cost-effective measures (update of HELCOM BSAP in ACTION project). Finland's representative in MSFD WG GES. Author of marine assessments in European Topic Centre (ETC-ICM) for EEA.

Past activities: HELCOM HOLAS II, benthic research coordination; vice chair of the HELCOM WG STATE & CONSERVATION (2016-2017).

Projects: European Topic Center (ETC-ICM), HELCOM ACTION, HELCOM SPICE, BalticBOOST, HELCOM TAPAS, MARMONI (Life+), MARISPLAN, DEVOTES, STAGES, CORESET II, DETECT.

Occupation: Senior Research Scientist (1.8.-30.11.2013)

Baltic Marine Environment Protection Commission (HELCOM), 1.5.2008 – 31.7.2013

Occupation: Project Manager

Main activities and responsibilities: Coordination and management of HELCOM CORESET project. Co-editor of HELCOM Initial Holistic Assessment. Development of the Baltic Sea Impact and Pressure Index, Development of the assessment tool HOLAS.

Coordination of the expert network for the Thematic Assessment of Hazardous substances. Participation and authoring the thematic assessments of eutrophication and biodiversity.

SELECTED PUBLISHED WORKS

Peer-reviewed

- Korpinen S, Laamanen L, Bergström L, Nurmi M, Andersen JH, Haapaniemi J, Harvey ET, Murray CJ,

Peterlin M, Kallenbach E, Klančnik K, Stein U, Tunesi L, Vaughan D & Reker J (2021) Combined effects of human pressures on Europe's marine ecosystems. **Ambio**
<https://doi.org/10.1007/s13280-020-01482-x>

- Lehtonen K, d'Errico G, Korpinen S, Regoli F, Ahkola H, Kinnunen T & Lastumäki A. 2019. Mussel Caging and the Weight of Evidence Approach in the Assessment of Chemical Contamination in Coastal Waters of Finland (Baltic Sea). **Frontiers in Marine Science** 6:688
- Westerbom M, Kraufvelin P, Erlandsson J, Korpinen S, Mustonen O, Diaz E (2019) Wave stress and biotic facilitation drive community composition in a marginal hard bottom ecosystem. **Ecosphere**, <https://doi.org/10.1002/ecs2.2883>
- Jernberg S, Nygård H, Aunins A, Lappalainen A, Heiskanen A-S, Olsson J, Kauppila P, Korpinen S, Kostamo K & Uusitalo L (2019) A retrospective assessment of marine biodiversity: a critical analysis of integration and aggregation rules. **Socio-Environmental Systems Modelling**, doi:10.18174/sesmo.2019a16128
- Rousi H, Korpinen S & Bonsdorff E (2019) Brackish-water benthic fauna under fluctuating environmental conditions: the role of eutrophication, hypoxia and global change. **Frontiers in Marine Science** 6,
- Myrberg K, Korpinen S, Uusitalo L (2019) Physical oceanography sets the scene for the Marine Strategy Framework Directive implementation in the Baltic Sea. **Marine Policy** 107
- Kauhala K, Korpinen S, Lehtiniemi M & Raitaniemi J (2019) Reproductive rate of a top predator, the grey seal, as an indicator of the changes in the Baltic food web. **Ecological Indicators** 102, 693-703.
- Kotamäki N, Järvinen M, Kauppila P, Korpinen S, Lensu A, Malve O, Mitikka S, Silander J & Kettunen J (2019) A practical approach to improve the statistical performance of surface water monitoring networks. **Environmental monitoring and assessment** 191 (6), 318
- Virtasalo J, Korpinen S & Kotilainen AT (2018) Assessment of the Influence of Dredge Spoil Dumping on the Seafloor Geological Integrity. *Frontiers in Marine Science*
<https://doi.org/10.3389/fmars.2018.00131>
- Heiskanen A-S, Berg T, Uusitalo L, Teixeira H, Bruhn A, Kraute-Jensen D, Lynam CP, Rossberg AG, Korpinen S, Uyarra MC & Borja A (2016) Biodiversity in marine ecosystems – European developments towards robust assessments. **Frontiers in Marine Science**, doi: 10.3389/fmars.2016.00184
- Korpinen S & Andersen JH (2016) A global review of cumulative pressure and impact assessments in marine environment. **Frontiers in Marine Science**, <http://dx.doi.org/10.3389/fmars.2016.00153>.
- Borja A, Elliott M, Andersen JH, Berg T, Carstensen J, Halpern BS, Heiskanen A-S, Korpinen S, Lowndes JSS, Martin G, Rodriguez-Espeleta N. 2016. Overview of integrative assessment of marine systems: the Ecosystem Approach in practice. **Frontiers in Marine Science**, doi: 10.3389/fmars.2016.00020.

[Selected other published works](#)

- Korpinen, S., Klančnik, K., Peterlin, M., Nurmi, M., Laamanen, L., et al., 2019, Multiple pressures and their combined effects in Europe's seas. ETC/ICM Technical Report 4/2019: European Topic Centre on Inland, Coastal and Marine waters, 164 pp.
- Vaughan D., Korpinen S., Nygård H., Andersen J.H., Murray C, et al., 2019, Biodiversity in Europe's seas. ETC/ICM Technical Report 3/2019: European Topic Centre on Inland and Marine Waters, 92pp.
- Korpinen S, Laamanen M, Suomela J, Paavilainen P, Lahtinen T & Ekeboom J (2018) Suomen meriympäristön tila 2018, SYKE julkaisut 4, <http://hdl.handle.net/10138/274094>.
- HELCOM (2018) State of the Baltic Sea – Second HELCOM holistic assessment 2011-2016. *Baltic Sea Environment Proceedings* 155.
- Reker J, Annunziatellis A, Mo G, Tunesi L, Globevnik L, Snoj L, Agnesi S & Korpinen S (2015) Marine protected areas in Europe's seas: An overview and perspectives for the future. EEA Report 3/2015. ISSN 1725-9177.
- Andersen JA, Korpinen S, Laamanen M (eds) (2010) Ecosystem Health of the Baltic Sea: HELCOM Initial Holistic Assessment. *Baltic Sea Environment Proceedings* 122. Available at: <http://www.helcom.fi/stc/files/Publications/Proceedings/bsep122.pdf>