

Attribution of alterations in coastal processes in the southern and eastern Baltic Sea to climate change-driven modifications of coastal drivers

Eelsalu, Maris; Soomere, Tarmo; Parnell, Kevin Ellis; Viška, Maija Oceanologia 2025 / art. 67103 <https://doi.org/10.5697/LXTZ5389>

Cities & international policy diffusion : the case of Tokyo

Chiu, Nikita Baltic journal of European studies 2019 / p. 61-74 https://www.ester.ee/record=b2675037*est <https://doi.org/10.1515/bjes-2019-0014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Climate change and the potential effects on runoff and nitrogen losses in the Nordic–Baltic region

Oygarden, Lillian; Deelstra, Johannes; Iital, Arvo Agriculture, ecosystems and environment 2014 / p. 114-126 : ill <https://doi.org/10.1016/j.agee.2014.06.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Climatic and vegetational controls of Holocene wildfire regimes in the boreal forest of northern Fennoscandia

Remy, Cecile C.; Magne, Gwenael; Stivrins, Normunds; Aakala, Tuomas; Asselin, Hugo; Seppä, Heikki; Luoto, Tomi P.; Jasiunas, Nauris; Ali, Adam A. Journal of ecology 2023 / p. 845-860 : ill., map <https://doi.org/10.1111/1365-2745.14065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Contrasting responses to long-term climate change of carbon flows to benthic consumers in two different sized lakes in the Baltic area

Freiberg, Rene; Belle, Simon; Poska, Anneli; Agasild, Helen; Aliksaar, Tiit; Tönno, Ilmar Quaternary science reviews 2018 / p. 168-176 : ill <https://doi.org/10.1016/j.quascirev.2018.03.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of anthropogenic eutrophication in lakes of the Schirmacher Oasis, Antarctica

Kaup, Enn Verhandlungen - Internationale Vereinigung für Theoretische und Angewandte Limnologie 2005 / p. 678-682 : ill <https://doi.org/10.1080/03680770.2005.11902764>

Disentangling the impact of nutrient load and climate changes on Baltic Sea hypoxia and eutrophication since 1850

Meier, H.E. Markus; Eilola, Kari; Almroth-Rosell, Elin; Väli, Germa Climate dynamics 2019 / p. 1145–1166 : ill <https://doi.org/10.1007/s00382-018-4296-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy demand for the heating and cooling of residential houses in Finland in a changing climate

Jylhä, Kirsti; Jokisalo, Juha; Kalamees, Targo Energy and buildings 2015 / p. 104-116 : ill <https://doi.org/10.1016/j.enbuild.2015.04.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy policy in the EU and its influence on East and Central Europe

Ramiro Troitino, David Journal on legal and economic issues of Central Europe 2013 / p. 106-113

An epigenetic alphabet of crop adaptation to climate change : review article

Guarino, Francesco; Cicatelli, Angela; Castiglione, Stefano; Agius, Dolores R.; Orhun, Gul Ebru; Fragkostefanakis, Sotirios; Leclercq, Julie; Dobranszki, Judit; Sömera, Merike; Sarmiento Guerin, Maria Cecilia Frontiers in Genetics 2022 / art. 818727 <https://doi.org/10.3389/fgene.2022.818727> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of freshwater using chromatographic analyses of dissolved organic matter data from the hypertrophic river Vääna, Estonia

Lepane, Viia Sustainability 2023 / art. 16819 <https://doi.org/10.3390/su152416819> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experiments on Microclimatically adapt a courtyard to climate change

Naboni, Emanuele; Siani, Rossella; Turrini, Marcello; Touloupaki, Eleftheria; Gherri, Barbara; De Luca, Francesco Iop Conference Series: Earth and Environmental Science 2023 / art. 012032 <https://doi.org/10.1088/1755-1315/1196/1/012032> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Extending the observed Baltic Sea wave climate back to the 1940s

Soomere, Tarmo Journal of coastal research 2013 / p. 1969-1974 : ill <https://doi.org/10.2112/si65-333.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fire frequency during the Holocene in central Latvia, northeastern Europe

Steinberga, Dace; Stivrins, Normunds Estonian journal of earth sciences 2021 / p. 127-139 : ill <https://doi.org/10.3176/earth.2021.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Food availability and temperature optima shaped functional composition of chironomid assemblages during the Late Glacial–Holocene transition in Northern Europe

Stivrins, Normunds; Belle, Simon; Trasune, Liva; Blaus, Ansis; Salonen, Sakari Quaternary science reviews 2021 / art. 107083 <https://doi.org/10.1016/j.quascirev.2021.107083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

14,000 years of climate-induced changes in carbon resources sustaining benthic consumers in a small boreal lake (Lake Tollari, Estonia)

Belle, Simon; **Poska, Anneli**; Hossann, Christian; Tõnno, Ilmar Climatic change 2017 / p. 205-219 : ill <https://doi.org/10.1007/s10584-017-2074-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

GCOS reference upper air network (GRUAN) : steps towards assuring future climate records

Thorne, Peter W.; Vömel, Holger; Bodeker, Gregory E.; Sommer, Michael; Apituley, Arnaud; Berger, Franz H.; Bojinski, Stephan; Braathen, Geir O.; Calpini, Bertrand; Demoz, Belay B.; Diamond, Howard J.; Dykema, John A.; **Rannat, Kalev** Temperature - its measurement and control in science and industry, volume 8 : proceedings of the Ninth International Temperature Symposium; Los Angeles, California, USA, 19 - 23 March 2012 2013 / p. 1042-1047 <https://doi.org/10.1063/1.4821421> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Holocene shifts in the primary producer community of large, shallow European Lake Peipsi, inferred from sediment pigment analysis

Tõnno, Ilmar; Nauts, Kristiina; Belle, Simon; **Alliksaar, Tiiu** Journal of paleolimnology 2019 / p. 403–417 : ill <https://doi.org/10.1007/s10933-019-00067-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of changes in sea ice cover on the wave climate of semi-enclosed, seasonally ice-covered water bodies at temperate latitudes: a case study in the Gulf of Riga

Najafzadeh, Fatemeh; **Soomere, Tarmo** Estonian journal of earth sciences 2024 / p. 26-36 <https://doi.org/10.3176/earth.2024.03>

The Impact of Climate Change to Pavement Temperatures and Asphalt Binder Grade Selection in Estonia Based on Different Climate Change Scenarios

Kontson, Karli; **Lill, Kristjan**; **Ellmann, Artu**; **Aavik, Andrus** The Baltic Journal of Road and Bridge Engineering 2025 / p. 94-113 <https://doi.org/10.7250/bjrbe.2025-20.655>

Index based multi-criteria approach to coastal risk assesment

Bagdanavičiute, Ingrida; Kelpšaitė-Rimkienė, Loreta; Galinien, Jelena; **Soomere, Tarmo** Journal of Coastal Conservation 2019 / p. 785–800 : ill <https://doi.org/10.1007/s11852-018-0638-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of glacial water and carbonate minerals on wintertime sea-ice biogeochemistry and the CO2 system in an Arctic fjord in Svalbard

Fransson, Agneta; Chierici, Melissa; Nomura, Daiki; **Martma, Tõnu** Annals of glaciology 2020 / p. 320-340 : ill <https://doi.org/10.1017/aog.2020.52> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Late glacial and early Holocene climate and environmental changes in the eastern Baltic area inferred from sediment C/N ratio

Liiv, Merlin; **Alliksaar, Tiiu**; **Amon, Leeli**; Freiberg, Rene; **Heinsalu, Atko**; **Reitalu, Triin**; **Saarse, Leili**; Seppä, Heikki; **Stivrinš, Normunds**; Tõnno, Ilmar; **Vassiljev, Jüri**; **Veski, Siim** Journal of paleolimnology 2019 / p. 1–16 : ill <https://doi.org/10.1007/s10933-018-0041-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Longlterm effects of climate change on carbon flows through benthic secondary production in small lakes

Belle, Simon; Musazzi, Simona; Tõnno, Ilmar; **Poska, Anneli**; Leys, Bérangère; Lami, Andrea Freshwater biology 2018 / p. 530-538 : ill <https://doi.org/10.1111/fwb.13090> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mapping flood extent and frequency from Sentinel-1 imagery during the extremely warm winter of 2020 in boreal floodplains and forests

Sipelgas, Liis; **Aavaste, Age**; **Uiboupin, Rivo** Remote sensing 2021 / art. 4949, 17 p. : ill., map <https://doi.org/10.3390/rs13234949> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanosynthesis of a bifunctional FeNi-N-C oxygen electrocatalyst via facile mixed-phase templating and preheating-pyrolysis

Kosimov, Akmal; Yusibova, Gulnara; Wojsiat, Ivan Tito; Aruväli, Jaan; Käärik, Maike; Leis, Jaan; Paaver, Peeter; Vlassov, Sergei; Kikas, Arvo; Kisand, Vambola; Piirsoo, Helle-Mai; Kukli, Kaupo; Heinmaa, Ivo; **Kaljuvee, Tiit**; Kongi, Nadezda Journal of Materials Chemistry A 2023 / p. 335 - 342 <https://doi.org/10.1039/d3ta04580c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The Mid-Ludfordian (late Silurian) Glaciation : a link with global changes in ocean chemistry and ecosystem overturns

Fryda, Jiri; Lehnert, Oliver; Joachimski, Michael M.; **Männik, Peep**; Kubajko, Michal; Mergl, Michal; Farkaš, Juraj; Frydova, Barbora Earth-Science Reviews 2021 / art. 103652 <https://doi.org/10.1016/j.earscirev.2021.103652> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-criteria evaluation approach to coastal vulnerability index development in micro-tidal low-lying areas

Bagdanavičiute, Ingrida; Kelpšaitė, Loreta; **Soomere, Tarmo** Ocean & coastal management 2015 / p. 124-135 : ill <https://doi.org/10.1016/j.ocecoaman.2014.12.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Non-stationary modeling of trends in extreme water level changes along the Baltic Sea coast

Kudryavtseva, Nadezhda; Pindsoo, Katri; Soomere, Tarmo Journal of coastal research Proceedings of the 15th International Coastal Symposium, Haeundae, Busan, 13-18 May 2018 2018 / p. 586-590 <https://doi.org/10.2112/SI85-118.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Numerical analysis of air-water stratified flow in pipe with branch junctions

Laanearu, Janek Proceedings of the 40th IAHR World Congress (Vienna, 2023) 2023 / p. 3196 - 3204 https://doi.org/10.3850/978-90-833476-1-5_iahr40wc-p0353-cd

An optimal solution of thermal energy usage in the integrated system of stormwater collection and domestic-water heating

Kollo, Monika; Laanearu, Janek Urban water journal 2017 / p. 212-222 : ill <https://doi.org/10.1080/1573062X.2015.1086006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Outdoor comfort analysis in a University Campus during the warm season and parametric design of mitigation strategies for Resilient Urban Environments

De Luca, Francesco Computer-Aided Architectural Design. Design Imperatives: The Future is Now. CAAD Futures 2021 2022 / p. 473-493 https://doi.org/10.1007/978-981-19-1280-1_29 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Overheating risk and energy demand of nordic old and new apartment buildings during average and extreme weather conditions under a changing climate

Farahani, Azin Velashjerdi; **Jokisalo, Juha**; Korhonen, Natalia; Jylhä, Kirsti; Ruosteenoja, Kimmo; **Kosonen, Risto** Applied sciences 2021 / art. 3972, 25 p. : ill <https://doi.org/10.3390/app11093972> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Perceptions of bark beetle landscape disturbance effects on natural resources and drinking water : assessing communication and knowledge exchange in the Rocky Mountain region, USA

Cottrell, Stuart; Mattor, Katherine; **Raadik Cottrell, Jana** Open journal of ecology 2024 / p. 77-100 <https://doi.org/10.4236/oje.2024.141005>

Performance assessment of ventilative and radiant cooling systems in office buildings during extreme weather conditions under a changing climate

Velashjerdi Farahani, Azin; **Jokisalo, Juha**; Korhonen, Natalia; Jylhä, Kirsti; **Kosonen, Risto**; Lestinen, Sami Journal of building engineering 2022 / art. 104951, 22 p. : ill <https://doi.org/10.1016/j.jobe.2022.104951> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Projected changes in wave conditions in the Baltic Sea by the end of 21st century and the corresponding shoreline changes

Suursaar, Ülo; Tõnisson, Hannes; **Alari, Victor; Raudsepp, Urmas**; Rästas, Henri; Anderson, Agnes Journal of coastal research 2016 / p. 1012-1016 <https://doi.org/10.2112/SI75-203.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Projected changes of the significant wave height in the Baltic Sea by the end of the 21th century

Alari, Victor; Rästas, Henri; Raudsepp, Urmas 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 58 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Recent changes in Baltic Sea oceanographic conditions, with some effects to the ecosystem status

Elken, Jüri; Lehmann, Andreas; Myrberg, Kai 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 34 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Regime shifts in the natural environment in the northern Baltic Sea region in late 1980s

Jaagus, Jaak; **Alari, Victor**; Arula, Timo; Järvet, Arvo; Kont, Are; Kotta, Jonne; Kull, Ain; Laanemets, Jaan; Männik, Aarne; Ojaveer, Henn; **Raudsepp, Urmas; Reihan, Alvina**; Rööm, Rein; Sepp, Mait; Suursaar, Ülo; Tamm, Ottar; Tamm, Toomas; Tõnisson, Hannes 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 64 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Retrieving the signal of climate change from numerically simulated sediment transport along the Eastern Baltic Sea Coast

Soomere, Tarmo; Viška, Maija; **Pindsoo, Katri** Coastline changes of the Baltic Sea from south to east : past and future projection 2017 / p. 327-361 http://doi.org/10.1007/978-3-319-49894-2_15 http://www.ester.ee/record=b4690805*est

Sea surface temperature variations in the south-eastern BalticSea in 1960–2015

Rukšėnienė, Viktorija; Dailidienė, Inga; Kelpšaitė-Rimkienė, Loreta; **Soomere, Tarmo** Baltica 2017 / p. 75-85 : ill <https://doi.org/10.5200/baltica.2017.30.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Shadow optimisation of low-impact temporary architecture to improve climatic comfort in urban spaces

Siani, Rossella; **De Luca, Francesco** eCAADe 2024 : Data-Driven Intelligence : Proceedings of the 42nd Conference on Education and Research in Computer Aided Architectural Design in Europe ; vol. 2 Proceedings of the International Conference on Education and Research in Computer Aided Architectural Design in Europe 2024 / p. 577-586

https://papers.cumincad.org/data/works/att/ecaade2024_81.pdf <https://doi.org/10.52842/conf.ecaade.2024.2.577>

Spatial variations in the Caspian Sea wave climate in 2002–2013 from satellite altimetry

Kudryavtseva, Nadezhda; Kussembayeva, Kuanysh; Rakisheva, Zaure Bayanovna; **Soomere, Tarmo** Estonian journal of earth sciences 2019 / p. 225-240 : ill <https://doi.org/10.3176/earth.2019.16>

http://www.kirj.ee/public/Estonian_Journal_of_Earth_Sciences/2019/issue_4/earth-2019-4-225-240.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The nexus of world electricity and global sustainable development

Wittmann, Veronika; Arici, Elif; **Meissner, Dieter** Energies 2021 / art. 5843, 21 p. : ill <https://doi.org/10.3390/en14185843> Journal

[metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Towards efficient mapping of greenhouse gas emissions : a case study of the port of Tallinn

Kotta, Jonne; **Fetissov, Mihhail**; Kaasik, Ellen; Vääät, Janis; Štökov, Stanislav; **Tapaninen, Ulla Pirita** Sustainability 2023 / art.

9520 <https://doi.org/10.3390/su15129520> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS