

Analysis of the Gulf of Finland circulation patterns in relation to forcing

Elken, Jüri; Lagemaa, Priidik; Nõmm, Marden BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 118

Application of the HIDRA2 deep-learning model for sea level forecasting along the Estonian coast of the Baltic Sea

Barzandeh, Amirhossein; Licer, Matjaz; Rus, Marko; Kristan, Matej; Maljutenko, Ilja; Elken, Juri; Lagemaa, Priidik; Uiboupin, Rivo Ocean Science 2025 / p. 1315-1327 <https://doi.org/10.5194/os-21-1315-2025>

Assimilation of observed sea surface temperature and salinity, using subregional EOF patterns from models

Zujev, Mihhail; Elken, Jüri; Lagemaa, Priidik 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book : 12–15 June 2018 Klaipėda, Lithuania 2018 / p. 65 http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf

Baltic Sea freshwater content

Raudsepp, Urmas; Maljutenko, Ilja; Barzandeh, Amirhossein; Uiboupin, Rivo; Lagemaa, Priidik State of the Planet 2023 / 14 p <https://doi.org/10.5194/sp-1-osr7-7-2023>

Baltic Sea surface temperature analysis 2022: a study of marine heatwaves and overall high seasonal temperatures

Lindenthal, Anja; Hinrichs, Claudia; Jandt-Scheelke, Simon; Kruschke, Tim; Lagemaa, Priidik; van der Lee, Eefke M.; Maljutenko, Ilja; Morrison, Helen e.; Panteleit, T. R.; Raudsepp, Urmas State of the Planet 2024 / 16 p <https://doi.org/10.5194/sp-4-osr8-16-2024>

BOOS/HIROMB-based marine forecasts in Estonia : problems, experiences and challenges [Electronic resource]

Elken, Jüri; Kõuts, Tarmo; Raudsepp, Urmas; Laanemets, Jaan; Lagemaa, Priidik Proceedings of the US/EU Baltic International Symposium "Integrated Ocean Observation Systems for Managing Global & Regional Ecosystems Using Marine Research, Monitoring & Technologies" : Klaipeda, May 23-25, 2006 2006 / [22] p. [CD-ROM]

Circulation patterns in the Gulf of Finland derived from the EOF analysis of model results

Elken, Jüri; Nõmm, Marden; Lagemaa, Priidik Boreal environment research 2011 / p. 84-102 : ill

Copernicus Marine Service Ocean State Report

Schuckmann, Karina von; Le Traon, Pierre-Yves; Kõuts, Mariliis; Lagemaa, Priidik; Maljutenko, Ilja; Raudsepp, Urmas Journal of operational oceanography 2018 / S1-S142 : ill <https://doi.org/10.1080/1755876X.2018.1489208>

Copernicus Marine Service Ocean State Report. Issue 3

Aaboe, Signe; Aguiar, Eva; Kõuts, Mariliis; Lagemaa, Priidik; Maljutenko, Ilja; Raudsepp, Urmas; Uiboupin, Rivo Journal of Operational Oceanography 2019 / S1-S123 : ill <https://doi.org/10.1080/1755876X.2019.1633075> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Copernicus Marine Service Ocean State Report, Issue 5

Aaboe, Signe; Alari, Victor; Alexander, Brittany E.; Kõuts, Mariliis; Lagemaa, Priidik; Maljutenko, Ilja; Männik, Andres; Raudsepp, Urmas; Rikka, Sander; Uiboupin, Rivo Journal of operational oceanography 2021 / p. 1-185 <https://doi.org/10.1080/1755876X.2021.1946240> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Data assimilation of sea surface temperature and salinity using basin-scale reconstruction from empirical orthogonal functions : a feasibility study in the northeastern Baltic Sea

Zujev, Mihhail; Elken, Jüri; Lagemaa, Priidik Ocean science 2021 / p. 91–109 : ill <https://doi.org/10.5194/os-17-91-2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a common toolbox to validate forecast products and reanalysis within the Baltic CMEMS group

Jandt, Simon; Verjovkina, Svetlana; Lagemaa, Priidik; Lorkowski, Ina; Schenk, Ludwig; Janssen, Frank; Kärnä, Tuomas; Axell, Lars; Falahat, Saeed; Huess, Vibeke; Golbeck, Inga; Nord, Adam Abstracts : [BSSC 2019] 2019 / p. 303 https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf

Development of data assimilation for numerical forecasts in Estonian marine areas = Eesti merealade prognoosisüsteemi arendamine vaatlusandmete assimileerimise abil

Zujev, Mihhail 2021 https://www.ester.ee/record=b5436054*est <https://digikogu.taltech.ee/et/item/51c555c7-9658-4e49-b543-3c77a6c1cf19> <https://doi.org/10.23658/taltech.35/2021>

Ensemble approach for projections of return periods of extreme water levels in Estonian waters

Eelsalu, Maris; Soomere, Tarmo; Pindsoo, Katri; Lagemaa, Priidik Continental shelf research 2014 / p. 201-210 : ill <https://doi.org/10.1016/j.csr.2014.09.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ensemble approach for the projections of extreme water levels reveals bias in water level observations

Eelsalu, Maris; Soomere, Tarmo; Pindsoo, Katri; Lagemaa, Priidik 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. 85 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Extreme waves and low sea level during the storm in the Gulf of Bothnia, Baltic Sea

Raudsepp, Urmas; Männik, Aarne; Maljutenko, Ilja; Lagemaa, Priidik; Rikka, Sander; Alari, Victor; Uiboupin, Rivo Journal of operational oceanography 2021 / p. s162-s173 : ill., map <https://doi.org/10.1080/1755876X.2021.1946240>

The impact of surface currents and sea level on the wave field evolution during St. Jude storm in the eastern Baltic Sea

Viitak, Marii; Maljutenko, Ilja; Alari, Victor; Suursaar, Ülo; Rikka, Sander; Lagemaa, Priidik Oceanologia 2016 / p. 176-186 : ill <https://doi.org/10.1016/j.oceano.2016.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

My Ocean Baltic Sea Monitoring and Forecasting Centre

Brüning, Thorger; Goldbeck, Inga; Jandt, Simon; **Lagemaa, Priidik** Operational Oceanography for Sustainable Blue Growth : proceedings of the Seventh EuroGOOS International Conference : 28-30 October 2014, Lisbon, Portugal 2014 / p. 33-42 : ill <http://eurogoos.eu/download/publications/EuroGOOS-2014-Conference-Proceedings.pdf>

Nemo-Nordic 2.0 : operational marine forecast model for the Baltic Sea

Kämä, Tuomas; Ljungemyr, Patrik; Falahat, Saeed; Ringgaard, Ida; Axell, Lars; Korabel, Vasily; Murawski, Jens; **Maljutenko, Ilja; Lindenthal, Anja; Jandt-Scheelke, Simon; Verjovkina, Svetlana; Lorkowski, Ina; Lagemaa, Priidik; She, Jun; Tuomi, Laura; Nord, Adam; Huess, Vibeke** Geoscientific Model Development 2021 / p. 5731 - 5749 <https://doi.org/10.5194/gmd-14-5731-2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Operational forecasting in Estonian marine waters = Operatiivne prognoos Eesti merealadel = Operatiivne prognoos Eesti merealadel

Lagemaa, Priidik 2012 https://www.ester.ee/record=b2777290*est

Operational sea level forecasting in Estonia

Lagemaa, Priidik; Elken, Jüri; Kõuts, Tarmo Estonian journal of engineering 2011 / p. 301-331 : ill

Overview of CMEMS BAL MFC service and developments [Online resource]

Tuomi, Laura; She, Jun; Lorkowski, I.; Axell, L.; **Lagemaa, Priidik; Schwichtenberg, F.; Huess, V.** International Conference Operational Oceanography Serving Sustainable Marine Development : 3-5 October 2017, Bergen, Norway : book of abstracts 2017 / p. 27 http://eurogoos.imr.no/resources/EuroGOOS_Conference_2017_BoA.pdf

Overview of CMEMS BAL MFC service and developments [Online resource]

Tuomi, Laura; She, Jun; Lorkowski, I.; Axell, L.; **Lagemaa, Priidik; Schwichtenberg, F.; Huess, V.** Operational oceanography serving sustainable marine development : Proceedings of the Eighth EuroGOOS International Conference, 3-5 October 2017, Bergen, Norway 2018 / p. 261-267 : ill <http://eurogoos.eu/download/publications/EuroGOOS-2017-Conference-Proceedings.pdf>

Recent progress in performance evaluations and near real-time assessment of operational ocean products

Hernandez, Fabrice; Blockley, Edward; Brassington, Gary B.; Davidson, Fraser; Divakaran, Prasanth; Drévilion, Marie; Ishizaki, Shiro; Garcia-Sotillo, Marcos; Hogan, Patrick J.; **Lagemaa, Priidik** Journal of Operational Oceanography 2015 / p. s221 - s238 <https://doi.org/10.1080/1755876X.2015.1050282> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reconstructing sea surface temperature and salinity fields in the northeastern Baltic from observational data, based on sub-regional Empirical Orthogonal Function (EOF) patterns from models

Elken, Jüri; Zujev, Mihhail; Lagemaa, Priidik 2018 IEEE/OES Baltic International Symposium (BALTIC 2018) : Klaipeda, Lithuania 12 - 15 June 2018 2018 / p. 38-45 : ill <https://doi.org/10.1109/BALTIC.2018.8634845>

Reconstructing sea surface temperature and salinity fields in the Northeastern Baltic from observational data, based on subregional EOF patterns from models

Elken, Jüri; Zujev, Mihhail; Lagemaa, Priidik 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book : 12-15 June 2018 Klaipėda, Lithuania 2018 / p. 28 http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf

Reconstruction of large-scale sea surface temperature and salinity fields using sub-regional EOF patterns from models

Elken, Jüri; Zujev, Mihhail; She, Jun; Lagemaa, Priidik Frontiers in earth science 2019 / art. 232, 20 p. : ill <https://doi.org/10.3389/feart.2019.00232> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sea level, sea surface temperature and SWHextreme percentiles : combined analysis from model results and in situ observations

Alvarez-Fanjul, Enrique; Collar, Alvarode Pascual; Gomez, Begona Perez; De Alfonso, Marta; Sotillo, Marcos Garcia; Staneva, Joanna; Clementi, Emanuela; **Raudsepp, Urmas; Lagemaa, Priidik; Maljutenko, Ilja** Journal of operational oceanography 2019 / p. s31-s42 : ill., map <https://doi.org/10.1080/1755876X.2019.1633075>

Sea surface circulation in the Baltic Sea : decomposed components and pattern recognition

Barzandeh, Amirhossein; Maljutenko, Ilja; Rikka, Sander; Lagemaa, Priidik; Männik, Aarne; Uiboupin, Rivo; Raudsepp, Urmas Scientific reports 2024 / art. 18649 <https://doi.org/10.1038/s41598-024-69463-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sub-regional observing and forecast system for the NE Baltic: needs and first results

Elken, Jüri; Kõuts, Tarmo; Lips, Urmas; Raudsepp, Urmas; Lagemaa, Priidik US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 38

The variation of the velocity and turbulent kinetic energy field in the wave in the vicinity of the breaking point

Liiv, Toomas; Lagemaa, Priidik Estonian journal of engineering 2008 / 1, p. 42-64 : ill

Täpsemad mereandmed aitavad võidelda kõrgete elektrihindadega [Võrguväljaanne]

Lagemaa, Priidik novaator.err.ee 2022 [Täpsemad mereandmed aitavad võidelda kõrgete elektrihindadega](#)

Uncertainty estimation for operational ocean forecast products—a multi-model ensemble for the North Sea and the Baltic Sea

Golbeck, Inga; Li, Xin; Janssen, Frank; Brüning, Thorger; Nielsen, Jacob W.; Huess, Vibeke; Söderkvist, Johan; Büchmann, Bjarne; Siiriä, Simo-Matti; Vähä-Piikkiö, Olga; Hackett, Bruce; **Lagemaa, Priidik** Ocean Dynamics 2015 / p. 1603 - 1631

<https://doi.org/10.1007/s10236-015-0897-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Variability of currents over the southern slope of the Gulf of Finland

Suhhova, Irina; Pavelson, Juss; Lagemaa, Priidik Oceanologia 2015 / p. 132 - 143 <https://doi.org/10.1016/j.oceano.2015.01.001>

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