

Abstract on the dynamics of the river bulge using satellite imagery and numerical model, case study of Daugava river bulge

Soosaar, Edith; Uiboupin, Rivo; Skudra, Maris; Maljutenko, Ilja; 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. 61 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Analysis of historical MERIS and MODIS data to evaluate the impact of dredging to monthly mean surface TSM concentration

Raag, Laura; Uiboupin, Rivo; Sipelgas, Liis Remote sensing of the ocean, sea ice, coastal waters, and large water regions 2013 : 24 September 2013, Dresden, Germany 2013 / art. 88880B <https://doi.org/10.1117/12.2032327> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Analysis of natural background and dredging-induced changes in TSM concentration from MERIS images near commercial harbours in the Estonian coastal sea

Siitam, Laura; Sipelgas, Liis; Uiboupin, Rivo International journal of remote sensing 2014 / p. 6764-6780 : ill <https://doi.org/10.1080/01431161.2014.963898> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of natural background and dredging-induced changes in TSM concentration from MERIS images near commercial harbours in the Estonian coastal sea

Siitam, Laura; Siitam, Laura vt ka Raag, Laura; Raag, Laura vt ka Siitam, Laura; Uiboupin, Rivo; Sipelgas, Liis 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. 126 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Analysis of natural background and dredging-induced changes in TSM concentration from MERIS images near commercial harbours in the Estonian coastal sea

Siitam, Laura; Sipelgas, Liis; Uiboupin, Rivo Sentinel-3 for Science Workshop: Abstract Book 2015 http://seom.esa.int/S3forScience2015/page_session28.php

Applicability of SAR-based wave retrieval for wind-wave interaction analysis in the fetch-limited Baltic

Rikka, Sander; Uiboupin, Rivo; Alari, Victor International journal of remote sensing 2017 / p. 906-922 : ill <https://doi.org/10.1080/01431161.2016.1271472> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of remote sensing methods for the investigation of spatio-temporal variability of sea surface temperature and chlorophyll fields in the Gulf of Finland = Kaugseire rakendused merepinna temperatuuri ja klorofüllü väljade ajalis-ruumilise muutlikkuse uurimiseks Soome lahes

Uiboupin, Rivo 2013 https://www.ester.ee/record=b2909640*est

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>

Assessing the Baltic Sea water quality with sentinel-3 OLCI imagery

Kutser, Tiit; Soomets, Tuuli; Toming, Kaire; Uiboupin, Rivo; Arikas, Age; Vahter, Kaimo; Paavel, Birgot 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. 43 http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf

Assessing the Baltic Sea Water Quality with Sentinel-3 OLCI Imagery

Kutser, Tiit; Soomets, Tuuli; Toming, Risto; Uiboupin, Rivo; Arikas, Age; Vahter, Kaimo; Paavel, Birgot 2018 IEEE/OES Baltic International Symposium (BALTIC 2018) : Klaipėda, Lithuania 12 - 15 June 2018 2018 / p. 52-57 : ill <https://doi.org/10.1109/BALTIC.2018.8634849>

Baltic Sea could be used to heat homes in future

news.err.ee 2024 [Baltic Sea could be used to heat homes in future](#)

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>

Characterization of ice cover extent from MODIS imagery during different winter scenarios in the Gulf of Riga, Baltic Sea

Siitam, Laura; Uiboupin, Rivo; Sipelgas, Liis 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. 127 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Combined analysis of Cryosat-2/SMOS sea icethickness data with model reanalysis fields over the Baltic Sea

Raudsepp, Urmas; Uiboupin, Rivo; Maljutenko, Ilja; Hendricks, Stefan; Ricker, Robert; Liu, Ye; Iovino, Doroteaciro; Peterson, K. Andrew; Zuo, Hao; Lavergne, Thomas; Aaboe, Signe; Raj, Roshin P. Journal of operational oceanography 2019 / p. s73-s79 : ill., map

<https://doi.org/10.1080/1755876X.2019.1633075>

Comparison of satellite sea surface temperature with in situ surface layer temperature

Uiboupin, Rivo; Sipelgas, Liis Proceedings of the Estonian Academy of Sciences. Biology. Ecology 2007 / 1, p. 47-56 : ill

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 4

von Schuckmann, Karina; Le Traon, Pierre-Yves; Aaboe, Signe; **Laanemäe, Kaari; Maljutenko, Ilja; Raudsepp, Urmas; Uiboupin, Rivo** Journal of Operational Oceanography 2020 / p. S1 - S172 <https://doi.org/10.1080/1755876X.2020.1785097> [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](#)

Detecting peat extraction related activity with multi-temporal Sentinel-1 InSAR coherence time series

Tampuu, Tauri; Praks, Jaan; Kull, Ain; **Uiboupin, Rivo**; Tamm, Tanel; Voormansik, Tanel International journal of applied earth observation and geoinformation 2021 / art. 102309, 11 p. : ill <https://doi.org/10.1016/j.jag.2021.102309> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detection of oil spills on SAR images and forecast of the slicks trajectory, case study

Uiboupin, Rivo; Raudsepp, Urmas; Sipelgas, Liis US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 161

Eesti rannikul on arenemas mereleitsak

novaator.err.ee 2024 [Eesti rannikul on arenemas mereleitsak](#) [Ekstreemne olukord: Eesti rannikul on arenemas mere kuumalaine](#)

Eesti teadlased ennustavad satelliitide abil üleujutusi

Vaaks, Eveliis postimees.ee Trialoog 2025 [Eesti teadlased ennustavad satelliitide abil üleujutusi](#) [Satelliidid ja nutipoid: TalTechi teadlased loovad tuleviku keskkonnaseiret](#)

Enhancing oil spill detection, response and modeling in the Baltic Sea = Õlireostuse tuvastamise, modelleerimise ja sellele reageerimise tõhustamine Läänemeres

Pärt, Siim 2024 <https://doi.org/10.23658/taltech.61/2024> https://www.ester.ee/record=b5704342*est <https://digikogu.taltech.ee/et/Item/0fc8b005-bd63-4a8d-a934-e89ec4d690be>

Estimation of wave and wind field parameters from TerraSAR-X imagery in the Baltic Sea

Rikka, Sander; Uiboupin, Rivo; Alari, Victor 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. 171 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Estonia's coastal sea temperatures remain highest in 30 years

news.err.ee 2024 [Estonia's coastal sea temperatures remain highest in 30 years](#)

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>

4.2 Geographical and seasonal coverage of sea ice in the Baltic Sea

Raudsepp, Urmas; Uiboupin, Rivo; Laanemäe, Kaari; Maljutenko, Ilja Journal of operational oceanography 2020 / p. S1-S172, 11 p <https://doi.org/10.1080/1755876X.2020.1785097>

Impact of thermohaline conditions on vertical variability of optical properties in the Gulf of Finland (Baltic Sea) : implications for water quality remote sensing

Aavaste, Age; Sipelgas, Liis; Uiboupin, Rivo; Uudeberg, Kristi Frontiers in marine science 2021 / art. 674065 <https://doi.org/10.3389/fmars.2021.674065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Kuumalaine Läänemeres: septembri veetemperatuur on viimase 30 aasta kõrgeim

maaleht.delfi.ee 2024 [Kuumalaine Läänemeres: septembri veetemperatuur on viimase 30 aasta kõrgeim](#) [Septembri merevee temperatuur on viimase 30 aasta kõige soojem](#)

Külm on Läänemerest juba veerandi jäätteki alla surunud

Raudvere, Rein-Erich maaleht.ee 2024 [Külm on Läänemerest juba veerandi jäätteki alla surunud](#)

Laineparameetrite määramine Läänemeres radariandmete põhjal

Rikka, Sander; Uiboupin, Rivo; Alari, Victor Kaugseire Eestis 2014 : artiklikogumik 2014 / lk. 22-30 : ill

LainePoisi sõit Kaliningradi

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/lainepoisi-soit-kaliningradi/>

A large-scale high-resolution numerical model for sea-ice fragmentation dynamics

Åström, Jan; Robertsen, Fredrik; Haapala, Jari; Polojärvi, Arttu; Uiboupin, Rivo; Maljutenko, Ilja The Cryosphere 2024 / p. 2429–2442 <https://doi.org/10.5194/tc-18-2429-2024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Liivi lahe jääolude kaardistamine kaugeireandmete põhjal

Raag, Laura; Sipelgas, Liis; Uiboupin, Rivo Kaugseire Eestis 2014 : artiklikogumik 2014 / lk. 38-46 : ill., kaart

Long term interferometric temporal coherence and DInSAR phase in northern peatlands

Tampuu, Tauri; Praks, Jaan; Uiboupin, Rivo; Kull, Ain Remote Sensing 2020 / Art. 1566 <https://doi.org/10.3390/rs12101566> [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](#)

Mapping recurrent flooding zone along Estonian inland waters from Sentinel-1 and-2

Sipelgas, Liis; Aavaste, Age; Uiboupin, Rivo International archives of the photogrammetry, remote sensing and spatial information sciences 2020 / p. 627-632 <https://doi.org/10.5194/isprs-archives-XLIII-B3-2020-627-2020> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Mapping water quality parameters with Sentinel-3 ocean and land colour instrument imagery in the Baltic Sea

Toming, Kaie; Kutser, Tiit; Uiboupin, Rivo; Arikas, Age; Vahter, Kaimo; Paavel, Birgot Remote sensing Remote Sensing of Water Quality 2017 / art. 1070, 21 p <https://doi.org/10.3390/rs9101070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Marine heatwaves develop along Estonian coast

Oidermaa, Jaan-Juhan; Rudi, Hanneli news.err.ee 2024 [Marine heatwaves develop along Estonian coast](#)

Meteo-marine parameters from Sentinel-1 SAR imagery : towards near real-time services for the Baltic Sea

Rikka, Sander; Pleskachevsky, Andrey; Jacobsen, Sven; Alari, Victor; Uiboupin, Rivo Remote sensing 2018 / art. 757, 17 p. : ill <https://doi.org/10.3390/rs10050757> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A method for significant wave height estimation from circularly polarized X-Band coastal marine radar images

Rikka, Sander; Uiboupin, Rivo; Kõuts, Tarmo; Vahter, Kaimo; Pärt, Siim IEEE Geoscience and Remote Sensing Letters 2019 / p. 844-848 : ill <https://doi.org/10.1109/LGRS.2018.2886631> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Methodology for mapping flood extent on Estonian floodplains

Sipelgas, Liis; Aavaste, Age; Uiboupin, Rivo; Rikka, Sander 2020 IEEE International Geoscience and Remote Sensing Symposium, September 26 – October 2, 2020 : Virtual Symposium : Proceedings 2020 / p. 4750-4753 <https://doi.org/10.1109/IGARSS39084.2020.9324369> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mida parem mereanalüüs, seda parem mereringe

Rammus, Kristin Trialoog 2025 [Mida parem mereanalüüs, seda parem mereringe](#)

Observation of mesoscale eddies by using SAR data complemented with optical remote sensing and in situ measurements

Uiboupin, Rivo; Laanemets, Jaan BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 28

An ocean-wave-trajectory forecasting system for the eastern Baltic Sea : validation against drifting buoys and implementation for oil spill modeling

Pärt, Siim; Björkqvist, Jan-Victor; Alari, Victor; Maljutenko, Ilja; Uiboupin, Rivo Marine pollution bulletin 2023 / art. 115497, 13 p. : ill <https://doi.org/10.1016/j.marpolbul.2023.115497> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oil spill detection using fluorometric sensors : laboratory validation and implementation to a ferryBox and a moored SmartBuoy

Pärt, Siim; Kankaanpää, Harri; **Björkqvist, Jan-Victor; Uiboupin, Rivo** *Frontiers in marine science* 2021 / art. 778136 : ill
<https://doi.org/10.3389/fmars.2021.778136> <https://www.frontiersin.org/articles/10.3389/fmars.2021.778136/full> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optical and physical properties of coastal water and their relations to radar (ASAR) data - a case study of Muuga Bay, Gulf of Finland

Sipelgas, Liis; Raudsepp, Urmas; Uiboupin, Rivo *Estonian journal of ecology* 2008 / 3, p. 185-197 : ill

Optical and physical properties of coastal water and their relations to radar (ASAR) data - case study of Muuga Bay in the Gulf of Finland

Sipelgas, Liis; Raudsepp, Urmas; Uiboupin, Rivo *US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008* / p. 146

Phytoplankton blooms in the Baltic Sea

Raudsepp, Urmas; She, Jun; Brando, Vittorio E.; Santoleri, Rosalia; Sammartino, Michela; **Kõuts, Mariliis; Uiboupin, Rivo; Maljutenko, Ilja** *Journal of operational oceanography* 2019 / p. s21-s26 : ill., map <https://doi.org/10.1080/1755876X.2019.1633075>

Püsiv jääkate jäi sooja talve tõttu Läänemerele tulemata

Kõuts, Mariliis; Uiboupin, Rivo *novaator.err.ee* 2025 <https://novaator.err.ee/1609633382/pusiv-jaakate-jai-sooja-talve-tottu-laanemerele-tulemata>

Radar remote sensing of meteo-marine parameters in the Baltic Sea = Laine- ja tuuleväljade määramine Läänemeres radarkaugseire andmetest

Rikka, Sander 2019 <https://digi.lib.ttu.ee/i/?12168>

Radar remote sensing of the meteo-marine parameters in the Baltic Sea [Online resource]

Rikka, Sander; Uiboupin, Rivo; Pleskachevsky, Andrey; **Alari, Victor;** Jacobsen, Sven; **Kõuts, Tarmo** *2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018* / p. 139-140 : ill
https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Radarkaugseire kasutamine Läänemere lainetuse ja tuuleväljade määramiseks

Rikka, Sander; Uiboupin, Rivo; Pleskachevsky, Andrey; **Alari, Victor;** Jacobsen, Sven; **Kõuts, Tarmo** *Kaugseire Eestis 2018 : artiklikogumik 2018* / lk. 32-40 : ill https://kosmos.ut.ee/sites/default/files/kosmos/kaugseire_eestis_2018.pdf

Record high heat content and low ice extent in the Baltic Sea during winter 2019/20

Raudsepp, Urmas; Maljutenko, Ilja; Haapala, Jari; **Männik, Aarne; Verjovkina, Svetlana; Uiboupin, Rivo;** von Schuckmann, Karina; Mayer, Michael *Journal of operational oceanography* 2022 / p. 175-185 : ill. <https://doi.org/10.1080/1755876X.2022.2095169>

A review on remote-sensing-based harmful cyanobacterial bloom monitoring services

Janatani, Nasim; Raudsepp, Urmas; Broomandi, Parya; Fickas, Kate; Olli, Kalle; Heimovaara, Timo; **Männik, Aarne; Uiboupin, Rivo;** Pahlevan, Nima *Remote sensing applications society and environment* 2025 / art. 101488
<https://doi.org/10.1016/j.rsase.2025.101488>

River bulge evolution and dynamics in a non-tidal sea - Daugava River plume in the Gulf of Riga, Baltic Sea

Soosaar, Edith; Maljutenko, Ilja; Uiboupin, Rivo; Skudra, Maris; Raudsepp, Urmas *Ocean science* 2016 / p. 417-432 : ill
<https://doi.org/10.5194/os-12-417-2016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sea ice in the Baltic Sea during 1993/94–2020/21 ice seasons from satellite observations and model reanalysis

Singh, Shakti; Maljutenko, Ilja; Uiboupin, Rivo *The cryosphere* 2025 / p. 4741-4758 <https://doi.org/10.5194/tc-19-4741-2025> [Article at Scopus](#) [Article at WOS](#)

Sea ice type classification in the Baltic Sea from TanDEM-X imagery

Laanemäe, Kaari; Uiboupin, Rivo; Rikka, Sander *EUSAR 2016 : 11th European Conference on Synthetic Aperture Radar : 06-09 June, 2016, Hamburg, Germany : proceedings 2016* / p. 657-660 : ill

Sea state in the Baltic Sea from space-borne high-resolution synthetic aperture radar imagery

Rikka, Sander; Pleskachevsky, Andrey; **Uiboupin, Rivo;** Jacobsen, Sven *International journal of remote sensing* 2018 / p. 1256-1284 : ill <https://doi.org/10.1080/01431161.2017.1399475> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sea state parameters in highly variable environment of Baltic Sea from satellite radar images

Rikka, Sander; Pleskachevsky, Andrey; **Uiboupin, Rivo;** Jacobsen, Sven *2017 IEEE International Geoscience & Remote Sensing Symposium : proceedings : July 23-28, 2017, Fort Worth, Texas, USA 2017* / p. 2965-2968 : ill

<https://doi.org/10.1109/IGARSS.2017.8127621> Conference proceedings at Scopus Article at Scopus Article at WOS

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

Sentinel-1 satelliitide andmetel põhinev operatiivne jääseireteenus

Rikka, Sander; Sipelgas, Liis; Simon, Martin; Služenikina, Jekaterina; **Siitam, Laura; Uiboupin, Rivo** Kaugseire Eestis 2021 : artiklikogumik 2022 / p. 53-64 https://sisu.ut.ee/sites/default/files/kaugseire/files/kaugseire_eestis_2021_artiklikogumik_1.pdf <https://kaugseire.ee/2021>

Shipborne GNSS acquisition of sea surface heights in the Baltic Sea

Liibus, Aive; Varbla, Sander; Ellmann, Artu; Vahter, Kaimo; Uiboupin, Rivo; Delpeche-Ellmann, Nicole Camille Journal of geodetic science 2022 / 21 p. : ill., map <https://doi.org/10.1515/jogs-2022-0131> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Statistical characterization of the sea ice extent during different winter scenarios in the Gulf of Riga (Baltic Sea) using optical remote-sensing imagery

Siitam, Laura; Sipelgas, Liis; Pärn, Ove; Uiboupin, Rivo International journal of remote sensing 2017 / p. 617-638 : ill <https://doi.org/10.1080/01431161.2016.1268734> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Talv on katnud ligi veerandi Läänemerest jääga = Площадь ледового покрова в Балтийском море достигает 80 000 квадратных километров

Grepp, T. err.ee 2024 [Talv on katnud ligi veerandi Läänemerest jääga](https://www.err.ee/1609704423/vene-merevagi-varastas-tehnikaulikooli-instituudi-lainepoi) Площадь ледового покрова в Балтийском море достигает 80 000 квадратных километров

Tehnikaülikooli teadlased: Tallinna lahest saaks energiat ammutada soojustumpadega, aga sellega kaasneb mitu probleemi

rohe.geenius.ee novaator.err.ee 2024 [Tehnikaülikooli teadlased: Tallinna lahest saaks energiat ammutada soojustumpadega, aga sellega kaasneb mitu probleemi](https://www.err.ee/1609704423/vene-merevagi-varastas-tehnikaulikooli-instituudi-lainepoi) Eesti teadlased soovivad tube kütta Läänemerest välja pumbatava soojustega Läänemeri võib tulevikus kodud soojaks kütta

The ice seasons severity by the ice extents sum on the Baltic Sea during 1982-2015

Pärn, Ove; Rjazin, Jevgeni; Uiboupin, Rivo 1st Baltic Earth Conference Multiple Drivers for Earth System Changes in the Baltic Sea Region : Nida, Curonian Spit, Lithuania, 13-17 June 2016 : conference proceedings 2016 / p. 151-152 : ill http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf

Upwelling parameters from bias-corrected composite satellite SST Maps in the Gulf of Finland (Baltic Sea)

Uiboupin, Rivo; Laanemets, Jaan IEEE Geoscience and Remote Sensing Letters 2015 / p. 592-596 <https://doi.org/10.1109/LGRS.2014.2352397> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Upwelling related dynamics from bias-corrected satellite SST maps in the Gulf of Finland

Uiboupin, Rivo; Laanemets, Jaan 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. 164 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Validation of Copernicus sea level altimetry products in the Baltic Sea and Estonian lakes

Liibus, Aive; Kall, Tarmo; Rikka, Sander; Uiboupin, Rivo; Suursaar, Ülo; Tseng, K.-H. Remote sensing 2020 / art. 4062, p. 1-19 <https://doi.org/10.3390/rs12244062> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Validation of sentinel-3 coastal altimetry data on the Baltic Sea and Estonian lakes

Liibus, Aive; Kall, Tarmo; Rikka, Sander; Uiboupin, Rivo 12th Coastal Altimetry Workshop : Coastal Altimetry Training Course, 4-7 February, 2020 : European Space Agency ESRI, Frascati, Italy : abstracts 2020 / p. 39-40 <https://az659834.vo.msecnd.net/eventsairwesteuprod/production-nikal-public/ae128dad984c40168397660cc8d0ede7>

Variability of optical parameters during upwelling and downwelling events – a study along NW coast of Estonia (Baltic Sea)

Arikas, Age; Uiboupin, Rivo; Sipelgas, Liis 2019 European Space Agency Living Planet Symposium 2019 / [1] p <https://lps19.esa.int>

Water quality near Estonian harbours in the Baltic Sea as observed from entire MERIS full resolution archive

Sipelgas, Liis; Uiboupin, Rivo; Arikas, Age; Siitam, Laura Marine pollution bulletin 2018 / p. 565-574 : ill <https://doi.org/10.1016/j.marpolbul.2017.09.058> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Vene merevägi varastas TalTechi instituudi lainepoi

Lauri, Vahur err.ee 2025 <https://www.err.ee/1609704423/vene-merevagi-varastas-tehnikaulikooli-instituudi-lainepoi>

Температура морской воды в сентябре самая теплая за последние 30 лет

rus.postimees.ee 2024 [Температура морской воды в сентябре самая теплая за последние 30 лет](#)

Ученые TalTech обвинили ВМС России в похищении волноизмерительного буя

Lauri, Vahur rus.err.ee 2025 <https://rus.err.ee/1609704450/uchenye-taltech-obvinili-vms-rossii-v-pohiwenii-volnoizmeritelnogo-buja>

Экстремальная ситуация: у побережья Эстонии возникли морские тепловые волны

Uiboupin, Rivo rus.postimees.ee 2024 [Экстремальная ситуация: у побережья Эстонии возникли морские тепловые волны](#)