

Absolute dynamic topography through synergizing sea level data sources utilizing a common and stable reference surface

Jahanmard, Vahidreza; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu XXVIII General Assembly of the International Union of Geodesy and Geophysics (IUGG) 2023 <https://doi.org/10.57757/IUGG23-1756>

Accumulation of heavy minerals in the eastern coast of the Gulf of Riga, south-western Estonia

Järvelill, Johanna-lisebel; Kleesment, Anne; Raukas, Anto Bulletin of the Geological Society of Finland 2015 / p. 67 - 78
<https://doi.org/10.17741/bgsf/87.2.002> [Journal metrics at Scopus](#) [Article at Scopus](#)

Accurate sea surface heights from Sentinel-3A and Jason-3 retrackers by incorporating high-resolution marine geoid and hydrodynamic models

Mostafavi, Majid; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Journal of geodetic science 2021 / p. 58-74
<https://doi.org/10.1515/jogs-2020-0120> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Along-track satellite altimetry to identify coastal sea level dynamics using a synergized geodetic-oceanographic approach = Satelliitaltimeetria pikiorbiitse andmestikuga rannikumere veetaseme dünaamika tuvastamine kasutades sünergilist geodeetilise-oceanograafilist meetodit

Mostafavi, Majid 2024 https://www.ester.ee/record=b5671644*est <https://doi.org/10.23658/taltech.11/2024>
<https://digikogu.taltech.ee/et/Item/49eaa519-adfc-42a0-98dd-a69ba649331a>

Application of deep conditional generative adversarial networks to fill the gaps of satellite altimetry-based absolute dynamic topography

Jahanmard, Vahidreza; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu XXVIII General Assembly of the International Union of Geodesy and Geophysics (IUGG) 2023 / 1 p <https://doi.org/10.57757/IUGG23-1627>

Applications of airborne laser scanning for determining marine geoid and surface waves properties

Varbla, Sander; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille European journal of remote sensing 2021 / p. 558-568
<https://doi.org/10.1080/22797254.2021.1981156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The asaphid trilobite fauna : its rise and fall in baltica

Pärnaste, Helje; Bergström, Jan Palaeogeography, Palaeoclimatology, Palaeoecology 2013 / p. 64 - 77
<https://doi.org/10.1016/j.palaeo.2013.06.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of hydrodynamic model sea level performance through Geoid-Referenced Tide-Gauge and Satellite Altimetry : poster

Jahanmard, Vahidreza; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Living Planet Symposium (LPS22) 2022 / 1 p
<https://www.lps22.eu/>

Baltic Sea Remote Sensing

2021 https://www.mdpi.com/journal/remotesensing/special_issues/Baltic_RS#info

Characteristics of cyclones causing extreme sea levels in the northern Baltic Sea

Post, Piia; Kõuts, Tarmo Oceanologia 2014 / p. 241-258 <https://doi.org/10.5697/oc.56-2.241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Coastal sea level trend using multi mission along track satellite altimetry for the Baltic Sea

Mostafavi, Majid; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu XXVIII General Assembly of the International Union of Geodesy and Geophysics (IUGG) 2023 / 1 p <https://doi.org/10.57757/IUGG23-4967>

Coastal vulnerability of the eastern Baltic Sea with respect to extreme minima of sea level

Viigand, Katri; Eelsalu, Maris; Soomere, Tarmo New challenges for Baltic Sea Earth System research : conference proceedings 2024 / p. 78-79 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/5bec_proceedings.pdf

Correcting tide gauge series due to land uplift and differences between national height systems of the Baltic Sea countries

Liibus, Aive; Kall, Tarmo; Ellmann, Artu; Kõuts, Tarmo 2014 IEEE/OES Baltic International Symposium : 26-29 May 2014, Tallinn, Estonia : [proceedings] 2014 / [8] p. : ill

Correcting tide gauge series due to land uplift and differences between national height systems of the Baltic Sea countries

Liibus, Aive; Kall, Tarmo; Ellmann, Artu; Kõuts, Tarmo Measuring and Modeling of Multi-Scale Interactions in the Marine Environment : IEEE/OES Baltic Symposium 2014, May 26.-29.2014, Tallinn, Estonia : book of abstracts 2014 / p. 74

A data-fusion technique for forecasting of absolute sea levels in the Baltic Sea

Rajabi-Kiasari, Saeed; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu 2023 Machine Learning And Data Analysis In Oceanography, University of Liège, Belgium 2023 / 1 p [A data-fusion technique for forecasting of absolute sea levels in the Baltic Sea](#)

Determination of Accurate Dynamic Topography for the Baltic Sea Using Satellite Altimetry and a Marine Geoid Model
Mostafavi, Majid; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu; Jahanmard, Vahidreza Remote sensing 2023 / art. 2189
<https://doi.org/10.3390/rs15082189> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of continuous dynamic vertical reference for maritime and offshore engineering by applying geodetic and machine learning strategies
Ellmann, Artu; Delpeche-Ellmann, Nicole Camille; Varbla, Sander; Rajabi Kiasari, Saeed; Jahanmard, Vahidreza; Kupavõh, Aleksei EGU General Assembly 2025 2025 / art. EGU25-20596 <https://doi.org/10.5194/egusphere-egu25-20596>

Development of continuous dynamic vertical reference for maritime and offshore engineering by applying machine learning strategies
Delpeche-Ellmann, Nicole Camille; Ellmann, Artu 2023 Machine Learning And Data Analysis In Oceanography, University of Liège, Belgium 2023 / 1 p [Development of continuous dynamic vertical reference for maritime and offshore engineering by applying machine learning strategies](#)

Developments towards deriving realistic dynamic topography by synergizing high-resolution geoid with sea level data = Merepinna realistliku dünaamilise topograafia saavutamise täppisgeoidi ja meretaseme andmestike kooskasutamisel
Jahanmard, Vahidreza 2024 https://www.ester.ee/record=b5649955*est <https://digikogu.taltech.ee/et/Item/3cfc4a1d-ff3c-4366-b26b-86571453f628> <https://doi.org/10.23658/taltech.3/2024>

Examining the performance of satellite altimetry along track sea level data for Sentinel-6, Jason3 and Sentinel-3
Heinoja, Lenne-Liisa; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Nordic Geodetic Commission General Assembly 2022 in Copenhagen : Poster Session 2022 / 24 l. <https://medialib.cmcn.dk/medialibrary/010C1367-E991-4A33-AB10-1953247E9C23/530AEABD-3A25-ED11-84B6-00155D0B0940.pdf>

Extreme surface water and seawater levels in the administrative territory of Tallinn
Valdmann, Ain; Käär, Arvo Education and Economy 2007 : materials of international scientific conference 2007 / p. 55-57

Extreme wave and water level conditions in the Baltic Sea in January 2005 and their reflection in teaching of coastal engineering
Soomere, Tarmo; Healy, Terry Buiding Resilience : CIB W89 International Conference on Building Education and Research [BEAR 2008] : book of executive summaries 2008 / p. 254-255

Extreme wave and water level conditions in the Baltic Sea in January 2005 and their reflection in teaching of coastal engineering
Soomere, Tarmo; Healy, Terry Buiding Resilience : CIB W89 International Conference on Building Education and Research [BEAR 2008] : conference proceedings 2008 / p. 1397-1407

Forecasting of Sea Level Extremes using Deep Learning and Extreme Value Analysis
Delpeche-Ellmann, Nicole Camille; Rajabi-Kiasari, Saeed; Soomere, Tarmo; Ellmann, Artu EGU General Assembly 2025 2025 / art. EGU25-13350 <https://meetingorganizer.copernicus.org/EGU25/EGU25-13350.html> <https://doi.org/10.5194/egusphere-egu25-13350>

Forecasting sea level maxima using machine learning models in the Baltic Sea
Rajabi-Kiasari, Saeed; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu International Liège Colloquium 2024 : Ocean Extremes 2024 / 1 p https://gher-uliege.github.io/liege-colloquium-2024/abstracts/2024-01-26_12:01:45_IP_193.40.250.130.pdf

Geodetic reconciliation of tide gauge network in Estonia
Kollo, Karin; Ellmann, Artu Geophysica 2019 / p. 27–38 : ill http://www.geophysica.fi/pdf/geophysica_2019_54_kollo.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

Geodetic SAR for Baltic height system unification and Baltic Sea level research : final report
Gruber, Thomas; Angermann, Detlef; Schlaak, Marius; Oikonomidou, Xanthi; Gisinger, Christoph; Brcic, Ramon; Poutanen, Markku; Marila, Simo; Ellmann, Artu; Varbla, Sander 2021 https://www.asg.ed.tum.de/fileadmin/w00cip/iapg/Baltic/SAR-HSU-FR-0022_Final_Report.pdf

Geodetic SAR for height system unification and sea level research-results in the Baltic Sea test network
Gruber, Thomas; Agren, Jonas; Angermann, Detlef; Ellmann, Artu; Engfeldt, Andreas; Gisinger, Christoph; Jaworski, Leszek; Kur, Tomasz; Marila, Simo; Varbla, Sander Remote sensing 2022 / art. 3250 <https://doi.org/10.3390/rs14143250> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Geoid profiles in the Baltic Sea determined using GPS and sea level surface
Jürgenson, Harli; Liibus, Aive; Ellmann, Artu Geodezija ir kartografija = Geodesy and cartography 2008 / 4, p. 109-115

Globaalse meretaseme ja glatsiaal-isostaatilise tasakaalustumise modelleerimise konverents Ateenas
Ellmann, Artu; Oja, Tõnis Geodeet 2012 / lk. 108-110 : fot https://artiklid.elnet.ee/record=b2553467*est

A holocene relative sea-level database for the Baltic Sea

Rosentau, Alar; Klemann, Volke; Bennike, Ole; Steffen, Holger; Wehr, Jasmin; Latinović, Milena; Bagge, Meike; Ojala, Antti; Berglund, Mikael; Becher, Gustaf Peterson; Schoning, Kristian; Hansson, Anton; Nielsen, Lars; Clemmensen, Lars B.; Hede, Mikkel U.; Kroon, Aart; Pejrup, Morten; Sander, Lasse; Stattegger, Karl; Schwarzer, Klaus; Lampe, Reinhard; Lampe, Matthias; Uscinowicz, Szymon; Bitinas, Albertas; Grudzińska, Ieva; **Vassiljev, Jüri**; Nirgi, Triine; Kublitskiy, Yuriy; Subetto, Dmitry Quaternary Science Reviews 2021 / Art. nr. 107071 <https://doi.org/10.1016/j.quascirev.2021.107071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In search for suitable parameters quantifying the contribution of water level variations into coastal vulnerability index of microtidal seas

Soomere, Tarmo; Barzehkar, Mojtaba; Parnell, Kevin Ellis New challenges for Baltic Sea Earth System research : conference proceedings 2024 / p. 116-117 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/5bec_proceedings.pdf

Investigating an upwelling system along the eastern Makran coast

Zoljoodi Zarandi, M.; **Barzandeh, Amirhossein**; Hassanzadeh, S.; Zoljoodi Zarandi, R. Bulletin of geophysics and oceanography 2024 / p. 123-138 <https://doi.org/10.4430/bgo00441> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Iterative refinement and accuracy validation of marine geoid models = Meregeoidi mudelite iteratiivne täpsustamine ja täpsuse valideerimine

Varbla, Sander 2023 <https://doi.org/10.23658/taltech.35/2023> <https://digikogu.taltech.ee/et/Item/4087a2ae-321e-4a1b-b11f-dd8fd5ab1b99> https://www.ester.ee/record=b5568726*est

Iterative refinement of regional marine geoid models using sea surface height and dynamic topography datasets

Varbla, Sander; Ellmann, Artu Nordic Geodetic Commission General Assembly 2022 in Copenhagen : Poster Session 2022 / 38 l. <https://medialib.cmcdn.dk/medialibrary/010C1367-E991-4A33-AB10-1953247E9C23/530AEABD-3A25-ED11-84B6-00155D0B0940.pdf>

Kopli ja Paljassaare poolsaar olid veel hiljaaegu saared

Saarse, Leili; Vassiljev, Jüri Eesti Loodus 2008 / 10, lk. 16-19 : ill http://vana.loodusajakiri.ee/eesti_loodus/artikkel2550_2547.html

Litorina Sea transgression based on the study of the sediment sequence of the ancient Vääna lagoon

Saarse, Leili; Heinsalu, Atko; Veski, Siim The Seventh Baltic Stratigraphical Conference : 17-18 May 2008, Tallinn, Estonia : abstracts & field guide 2008 / p. 61

Long-term and decadal sea-level trends of the Baltic Sea using along-track satellite altimetry

Mostafavi, Majid; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Remote sensing 2024 / art. 760 <https://doi.org/10.3390/rs16050760> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Läänemere ilmaennustaja Jüri Elken

Olesk, Arko; **Elken, Jüri** Postimees 2013 / lk. 5 <https://www.postimees.ee/1129388/laanemere-ilmaennustaja-juri-elken>

Machine learning Forecasting of Absolute Dynamic Topography in the Baltic Sea

Rajabi-Kiasari, Saeed; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Nordic Geodetic Commission General Assembly 2022 in Copenhagen : Poster Session 2022 / 36 l. <https://medialib.cmcdn.dk/medialibrary/010C1367-E991-4A33-AB10-1953247E9C23/530AEABD-3A25-ED11-84B6-00155D0B0940.pdf>

Meretaseme ennustamine läheb tulevikus täpsemaks : [TTÜ Meresüsteemide Instituut sai raha prognoosisüsteemi uuendamiseks]

Simson, Priit Eesti Päevaleht 2005 / 22. veebr., lk. 8 <https://epl.delfi.ee/artikkel/51004480/meretaseme-ennustamine-laheb-tulevikus-tapsemaks>

MIS 5a and MIS 3 relatively high sea-level stands on the Hatay-Samandağ coast, Eastern Mediterranean, Turkey

Dogan, Ugur; **Molodkov, Anatoli** Quaternary international 2012 / p. 65-79 : ill <https://kirjandus.geoloogia.info/en/reference/21549>

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](#)

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

Performance of sentinel-3A SAR altimetry retrackers: The SAMOSA coastal sea surface heights for the Baltic Sea
Birgiel, Elzbieta; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Fiducial Reference Measurements for Altimetry : Proceedings of the International Review Workshop on Satellite Altimetry Cal/Val Activities and Applications 2020 / p. 23-32
https://doi.org/10.1007/1345_2019_59

Phosphorus cycling during the Hirnantian glaciation

Müller, Johann; Joachimski, Michael M.; Lehnert, Oliver; **Männik, Peep**; Sun, Yadong Palaeogeography, palaeoclimatology, palaeoecology 2024 / art. 111906, 15 p. : ill <https://doi.org/10.1016/j.palaeo.2023.111906> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Precise hydrodynamic leveling by using pressure gauges

Liibus, Aive; **Ellmann, Artu; Kõuts, Tarmo**; Jürgenson, Harli Marine geodesy 2013 / p. 138-163 : ill
<https://doi.org/10.1080/01490419.2013.771594> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Quantification of hydrodynamic model sea level bias utilizing deep learning and synergistic integration of data sources

Jahanmard, Vahidreza; Hordoir, Robinson; **Delpeche-Ellmann, Nicole Camille; Ellmann, Artu** Ocean modelling 2023 / art. 102286 : ill., map <https://doi.org/10.1016/j.ocemod.2023.102286> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

Realistic dynamic topography through coupling geoid and hydrodynamic models of the Baltic Sea

Jahanmard, Vahidreza; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Continental shelf research 2021 / art. 104421
<https://doi.org/10.1016/j.csr.2021.104421> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Recent climate tendencies on an East Antarctic ice shelf inferred from a shallow firn core network

Schlosser, Elisabeth; Anschutz, H.; Divine, Dmitry V.; **Martma, Tõnu**; Sinisalo, A.; Altnau, S.; Isaksson, Elisabeth Journal of geophysical research 2014 / p. 6549-6562 : ill <https://doi.org/10.1002/2013JD020818> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Reconstruction of Baltic gridded sea levels from tide gauge and altimetry observations using spatiotemporal statistics from reanalysis

Elken, Jüri; Barzandeh, Amirhossein; Maljutenko, Ilja; Rikka, Sander Remote sensing 2024 / art. 2702
<https://doi.org/10.3390/rs16152702> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Relative sea level changes and development of the Hiiumaa Island, Estonia, during the Holocene

Vassiljev, Jüri; Saarse, Leili; Grudzinska, Ieva; Heinsalu, Atko Geological Quarterly 2015 / p. 517 - 530
<https://doi.org/10.7306/gq.1227> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sea level forecasting using deep recurrent neural networks with high-resolution hydrodynamic model

Rajabi-Kiasari, Saeed; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Applied ocean research 2025 / art. 104496
<https://doi.org/10.1016/j.apor.2025.104496>

Sea level measurements by a low-cost GNSS sensor-equipped marine buoy

Koobak, Johanna; Varbla, Sander; Ellmann, Artu Nordic Geodetic Commission General Assembly 2022 in Copenhagen : Poster Session 2022 / 37 p <https://medialib.cmcndn.dk/medialibrary/010C1367-E991-4A33-AB10-1953247E9C23/530AEABD-3A25-ED11-84B6-00155D0B0940.pdf>

Sea level network in Estonia and its applications in supporting marine science, hydrographic works and safety of navigation

Vahter, Kaimo; Zaitseva-Pärnaste, Inga [EUREF2019 abstracts] 2019 / p. [56] <https://www.maaamet.ee/euref2019/EUREF2019-Abstracts.pdf>

Sea level time series gap-filling with satellite altimetry using a bi-directional SARIMA model

Mostafavi, Majid; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu 2023 Machine Learning And Data Analysis In Oceanography, University of Liège, Belgium 2023 / 1 p [Sea level time series gap-filling with satellite altimetry using a bi-directional SARIMA model](#)

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>

Separation of the Baltic Sea water level into daily and multi-weekly components

Soomere, Tarmo; Eelsalu, Maris; Kurkin, Andrey; Rybin, Artem Continental shelf research 2015 / p. 23-32 : ill., map
<https://doi.org/10.1016/j.csr.2015.04.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Small-footprint airborne laser scanner data for validating marine geoid models

Gruno, Anti; Liibus, Aive; **Ellmann, Artu**; Oja, Tõnis; Vain, Ants; Jürgenson, Harli 2013 European Space Agency Living Planet Symposium : [programme and abstracts] 2013 / [1] p

A study on relationships between forcing factors and morphological parameters of outlet areas of some rivers flowing into the Estonian coastal sea

Koppel, Tiit; **Laanearu, Janek** River basin management III : Third International Conference on River Basin Management 2005 / p. 225-235 : ill <https://www.witpress.com/eliibrary/wit-transactions-on-ecology-and-the-environment/83/15405>

Systematic analysis of alongshore sediment transport patterns in varying sea level conditions for evaluating stability of the coastal areas in the microtidal Baltic Sea

Eelsalu, Maris; **Viigand, Katri**; **Soomere, Tarmo**; **Parnell, Kevin Ellis** Journal of coastal research 2024 / p. 53-57
<https://doi.org/10.2112/JCR-SI113-011.1>

Teadlased annavad otsepilti merevee tõusust : [TTÜ meresüsteemide instituudi vanemteadur Tarmo Kõuts räägib veetaseme jälgimise online-süsteemist]

Püüa, Marko; **Kõuts, Tarmo** Postimees 2007 / 12. jaan., lk. 3 <https://www.postimees.ee/1618225/teadlased-toodavad-otsepilti-merevee-tousust>

Teadlased: tulevikus tõuseb Läänemere veetase meetrijagu : [TTÜ Meresüsteemide Instituudi direktor Jüri Elken Läänemere ümbruse kliimasoojenemise modelleeringute projektist]

Käart, Ulvar; **Elken, Jüri** Eesti Päevaleht 2007 / 9. märts, lk. 4 <https://www.err.ee/455616/teadlased-tulevikus-touseb-laanemere-veetase-meetri-jagu>

Towards realistic dynamic topography from coast to offshore by incorporating hydrodynamic and geoid models

Jahanmard, Vahidreza; **Delpeche-Ellmann, Nicole Camille**; **Ellmann, Artu** Ocean modelling 2022 / art. 102124
<https://doi.org/10.1016/j.ocemod.2022.102124> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Treatment of tide gauge time series and marine GNSS measurements for vertical land motion with relevance to the implementation of the Baltic Sea chart datum 2000

Varbla, Sander; Ågren, Jonas; **Ellmann, Artu**; Poutanen, Markku Remote sensing 2022 / art. 920, 24 p. : ill
<https://doi.org/10.3390/rs14040920> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tuul tõi sünoptikutele uputuse asemel kriitikatormi : [kommentaar ka TTÜ vanemteadur Tarmo Soomerelt]

Günter, Aleksei; **Soomere, Tarmo** Postimees 2005 / 16. nov., lk. 6 <https://www.postimees.ee/1509945/tuul-toi-sunoptikutele-uputuse-aseemel-kriitikatormi>

24 years sea level trend of Baltic Sea using resampled machine learning satellite altimetry data : poster

Mostafavi, Majid; **Delpeche-Ellmann, Nicole Camille**; **Ellmann, Artu** Living Planet Symposium (LPS22) 2022 / 1 p
<https://www.lps22.eu/>

Unusual wave and water level conditions in the Baltic Sea during windstorm Gudrun in January 2005 and their modelling

Soomere, Tarmo 5th International Conference on Optimal Research "Simulation and Optimization in Business and Industry" : May 17-20, 2006, Tallinn, Estonia : programme and abstracts 2006 / p. 4-5

Use of high resolution sea level measurements for height transfer in the West-Estonian archipelago

Liibus, Aive; **Ellmann, Artu**; **Kõuts, Tarmo** The 8th International Conference Environmental Engineering : May 19-20, 2011, Vilnius, Lithuania : selected papers. Volume III 2011 / p. 1374-1381 : ill

Utilizing airborne laser scanning and geoid model for near-coast improvements in sea surface height and marine dynamics

Varbla, Sander; **Ellmann, Artu**; **Delpeche-Ellmann, Nicole Camille** Journal of coastal research 2020 / p. 1339-1343
<https://doi.org/10.2112/SI95-257.1> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Validation of conventional and retracked Sentinel-3 observations along the Norwegian coast

Mostafavi, Majid; **Jahanmard, Vahidreza**; **Rajabi-Kiasari, Saeed**; **Delpeche-Ellmann, Nicole Camille**; **Ellmann, Artu** Nordic Geodetic Commission General Assembly 2022 in Copenhagen : Poster Session 2022 / 27 l.
<https://medialib.cmcdn.dk/medialibrary/010C1367-E991-4A33-AB10-1953247E9C23/530AEABD-3A25-ED11-84B6-00155D0B0940.pdf>

Water level dynamics in the eastern Baltic Sea, 1961-2018 = Läänemere idaranniku ja Liivi lahe veetaseme dünaamika 1961-2018

Männikus, Rain 2021 https://www.ester.ee/record=b5405724*est <https://digikogu.taltech.ee/et/Item/87291e03-a0d0-4be8-a408-8ff45cb16f1d>
<https://doi.org/10.23658/taltech.12/2021>

What determines the change of coastlines in the Baltic Sea?

Harff, Jan; Deng, Junjie; Dudzinska-Nowak, Joanna; Fröhle, Peter; **Soomere, Tarmo** Coastline changes of the Baltic Sea from south to east : past and future projection 2017 / p. 15-35 http://doi.org/10.1007/978-3-319-49894-2_2 http://www.ester.ee/record=b4690805*est

