

Assessment of eutrophication status based on sub-surface oxygen conditions in the Gulf of Finland (Baltic Sea) : [conference paper]

Stoicescu, Stella-Theresa; Lips, Urmas; Liblik, Taavi Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 44 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

Attribution of coastline changes in the southern and eastern Baltic Sea to climate change driven modifications of main coastal drivers

Eelsalu, Maris; Soomere, Tarmo; Parnell, Kevin Ellis; Viška, Maija 4th Baltic Earth Conference Assessing the Baltic Sea Earth System : Jastarnia, Hel Peninsula, Poland, 30 May to 3 June 2022 : Conference Proceedings 2022 / p. 96-97 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/4bec_proceedings_web.pdf

Baltic Sea Operational Oceanographic System (BOOS) - a stimulator to Baltic earth system research [Online resource]

She, Jun; Andersson, Pia; Kõuts, Tarmo; Mirawslav, Darecki; Reißmann, Jan Hinrich; Tuomi, Laura 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 10-11 : tab https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Baltic Sea wave climate via empirical orthogonal function analysis [Online resource]

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 40 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

Beyond sustainability and ICZM : the future for management of Baltic Seacoasts

Parnell, Kevin Ellis; Soomere, Tarmo 4th Baltic Earth Conference Assessing the Baltic Sea Earth System : Jastarnia, Hel Peninsula, Poland, 30 May to 3 June 2022 : Conference Proceedings 2022 / p. 152-153 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/4bec_proceedings_web.pdf

BONUS INTEGRAL : improved biogeochemical monitoring and greenhouse gas flux assessment for the Baltic Sea through high resolution trace gas data acquisition [Online resource]

Rehder, Gregor; Rutgersson, Anna; Laakso, Lauri; Kulinski, Karol; Lips, Urmas 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 59-60 : ill https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Building natural morphologies for effective beach nourishment

Parnell, Kevin Ellis 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 134-135 : ill https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Changes in the wave climate and severity of storms in the Baltic Sea in 1991-2015 from satellite altimetry

Kudryavtseva, Nadezhda; Soomere, Tarmo 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. 80-81 : ill http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf

Coastal flooding : Joint probability of extreme water levels and waves along the Baltic Sea coast

Kudryavtseva, Nadezhda; Räämet, Andrus; Soomere, Tarmo 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 70-71 : ill ["proceedings"](#)

Coastal management as a driver for earth system changes in the Baltic Sea region [Online resource]

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Connecting science, society and policy : experience of a small country

Soomere, Tarmo 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 10 ["proceedings"](#)

Decision support tools for the management of eastern Baltic Sea coasts

Barzehkar, Mojtaba; Parnell, Kevin Ellis; Soomere, Tarmo 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 135-136 ["proceedings"](#)

Deeper insights into the validation of hydrodynamic models using a synergy of remote sensing data

Delpeche-Ellmann, Nicole Camille; Varbla, Sander; Jahanmard, Vahidreza; Ellmann, Artu Baltic Earth Workshop Climate projections and uncertainties in the northern Baltic Sea region, Helsinki, Finland, 19-20 November, 2019 : Programme, Abstracts, Participants 2019 / p. 14-15

A descriptive analysis of the linkage between the vertical stratification and current oscillations in the Gulf of Finland
[Online resource]

Suhhova, Irina; Liblik, Taavi; Lilover, Madis-Jaak; Lips, Urmas 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 168-169 : ill https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Detection of cold and warm anomalies on the example of Estonia

Keevallik, Sirje 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. 146-147 : ill http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf

Differences in stationary and nonstationary analysis of water level extremes in Latvian waters, Baltic Sea, during 1961-2018

Männikus, Rain; Kudryavtseva, Nadezhda; Soomere, Tarmo 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p.74-75 : ill ["proceedings"](#)

Dioxins and furans in surface sediment of NW Estonian coastal sea [Online resource]

Erm, Ants; Buschmann, Fred; Voll, Martin Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 31-32 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

Directional variation of return periods of water level extremes in the Gulf of Riga, Baltic Sea

Männikus, Rain; Soomere, Tarmo 4th Baltic Earth Conference Assessing the Baltic Sea Earth System : Jastarnia, Hel Peninsula, Poland, 30 May to 3 June 2022 : Conference Proceedings 2022 / p. 83-84 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/4bec_proceedings_web.pdf

Does internally generated hydrodynamic noise matter in the Baltic Sea?

Storch, Hans von; Omstedt, Anders; Elken, Jüri 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 170-171 : ill ["proceedings"](#)

Ensemble hindcast of the wave properties in the Baltic Sea [Online resource]

Räämet, Andrus; Soomere, Tarmo Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 42 https://www.baltic-earth.eu/multipledrivers2018/material/No.14_Tallinn2018.pdf

Estimating the wave statistics bias in the partially ice-covered regions of the Baltic Sea

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A first look to Lagrangian coherent structures in the Gulf of Finland as a means to identify hotspots of surface particle aggregation

Giudici, Andrea; Suara, Kabir Adewale; Soomere, Tarmo; Brown, Richard J. 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 97-98 : ill ["proceedings"](#)

High-resolution wave model for coastal management and engineering in the eastern Baltic Sea

Giudici, Andrea; Männikus, Rain; Najafzadeh, Fatemeh; Jankowski, Mikolaj Zbigniew; Soomere, Tarmo; Suursaar, Ülo 4th Baltic Earth Conference Assessing the Baltic Sea Earth System : Jastarnia, Hel Peninsula, Poland, 30 May to 3 June 2022 : conference proceedings 2022 / p. 150-151 : ill https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/4bec_proceedings_web.pdf

High-resolution view on downwelling by underwater glider in the Eastern Baltic Proper

Liblik, Taavi; Salm, Kai; Lips, Urmas 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 21 : ill ["proceedings"](#)

High-resolution view on the subsurface salinity maxima in the Gulf of Riga

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Human impacts and their interactions in the Baltic Sea region

Reckermann, Marcus; Omstedt, Anders; Soomere, Tarmo; Aigars, Juris; Akhtar, Naveed; Beldowska, Magdalena; Beldowski, Jacek; Cronin, Tom; Czub, Michal; Eero, Margit; Parnell, Kevin Ellis; Poska, Anneli 4th Baltic Earth Conference Assessing the

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The impact of the last Major Baltic Inflows on the Gulf of Finland water chemistry and auto- and heterotrophic microbial communities [Online resource]

Künnis-Beres, Kai; Lainela, Silvie; Lips, Inga Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 36
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Integrated oil spill response actions and environmental effects –GRACE EU-H2020 project [Online resource]

Kõuts, Tarmo; Truu, Jaak Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 33
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The interactions between small autotrophs and heterotrophs (bacteria, flagellates and ciliates) in the process of pelagic organic matter degradation, aggregation and sedimentation

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Interannual coastal processes in Estonia, Peraküla beach monitored by laser scanning technology [Online resource]

Eelsalu, Maris; Pindsoo, Katri; Soomere, Tarmo; Julge, Kalev 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 115-116 : ill
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Investigating sediment resuspension using combined optical and acoustic methods

Buschmann, Fred; Erm, Ants; Rebane, Jaan; Listak, Madis 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. 111 : ill
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Land cover and land use changes as a driver for the changes in Earth's system in the Baltic Sea region [Online resource]

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Long-term changes in stratification in the Baltic Sea

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Marine drifter data collection tool [Online resource]

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Microplastic in the Baltic Sea – current knowledge and future perspectives [Online resource]

Lips, Inga Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 24
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Microplastic pollution in aquatic environments of Estonia [Online resource]

Turov, Polina; Lind, Kati; Lips, Inga Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 46-47
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Midwinter stratification formation in the Gulf of Finland

Liblik, Taavi; Väli, Germa; Lilover, Madis-Jaak; Laanemets, Jaan; Kikas, Villu; Lips, Inga 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 123 "[proceedings](#)"

Modeling patchiness on the sea surface caused by the interplay of winds and currents in the Gulf of Finland [Online resource]

Giudici, Andrea; Kalda, Jaan; Soomere, Tarmo 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 190-120 : ill
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Nonstationary modeling of extremes in water levels along the Baltic Sea coast [Online resource]

Kudryavtseva, Nadezhda; Pindsoo, Katri; Soomere, Tarmo 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør,

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On the water level measurements in the Gulf of Riga during 1961-2016 [Online resource]

Männikus, Rain; Soomere, Tarmo; Kudryavtseva, Nadezhda 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 130-131 : ill https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Particle Image Velocimetry - an attractive method to make the near bottom velocity field visible [Online resource]

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Projected lengthening of spring cereals growing season in Estonia and accompanying high impact events of elevated temperatures around heading

Saue, Triin; Jauhiainen, Lauri; Kadaja, Jüri; Peltonen-Sainio, Pirjo 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. 96-97 : tab http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf

Quantification of the evolution of a small beach applying laser scanning technology

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Quantifying the land-use climate forcing in the past : a modelling approach focusing on Europe and the Holocene (LandClim II) [Online resource]

Githumbi, Esther; Trondman, A.-K.; Fyfe, R.; Kjellström, Erik; Poska, Anneli 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 179-180 : ill https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

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

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Reanalysis based assessment of tropospheric thickness trends in Baltic Sea region

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Recently accelerated oxygen consumption rates amplify deoxygenation in the Baltic Sea - observations and model results [Online resource]

Meier, H.E. Markus; Väli, Germa; Naumann, Michael; Eilola, Kari; Frauen, Claudia 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 184 : ill https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Regime shifts as an archetypal phenomenon of climate and climate change

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Responses of coastal processes to multiple drivers in the Baltic Sea region [Online resource]

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Robustness and uncertainty in future nutrient loads from land ecosystems across the Baltic Sea catchment area

Smith, Ben; Lindeskog, Mats; Engström, Kerstin; Olin, Stefan; Poska, Anneli 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. 59 http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf

Rotation of floating particles in submesoscale cyclonic and anticyclonic eddies : a model study for the southeastern Baltic Sea

Zhubas, Victor; Väli, Germa; Kuzmina, Natalia 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 28-29 : ill "[proceedings](#)"

Shipping and the environment in the Baltic Sea region I results of the BONUS SHEBA project [Online resource]

Quante, Markus; Moldanova, Jana; Eriksson, Martin; Maljutenko, Ilja 2nd Baltic Earth Conference The Baltic Sea in Transition :

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6000 years of human-land-sea-interactions : estimating the impact of land-use and climate changes on DOC production in the Baltic Sea catchment

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Spatial variation of statistical properties of extreme water levels along the eastern Baltic Sea coast

Pindsoo, Katri; Eelsalu, Maris; Soomere, Tarmo 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. 126-127 : ill http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf

Statistics of deep estuarine circulation vs reverse estuarine circulation in the Gulf of Finland

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Superelevations of water level in the Gulf of Riga [Online resource]

Männikus, Rain; Soomere, Tarmo; Kudryavtseva, Nadezhda Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 38 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

Temporal changes in the sediment pollution of the Gulf of Finland [Online resource]

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The application of coast geomorphic process concepts to eastern Baltic Sea conditions in a changing climate

Parnell, Kevin Ellis; Soomere, Tarmo 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 143-144 https://archive.baltic.earth/hel2020/material/3rd_BalticEarth_Conference_Proceedings.pdf

The global challenge of the sustainable management of seas and shores

Soomere, Tarmo; Parnell, Kevin Ellis 4th Baltic Earth Conference Assessing the Baltic Sea Earth System : Jastarnia, Hel Peninsula, Poland, 30 May to 3 June 2022 : Conference Proceedings 2022 / p. 154-155 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/4bec_proceedings_web.pdf

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

Using model-based sub-regional EOF patterns to reconstruct temperature and salinity fields from observations [Online resource]

Elken, Jüri; Zujev, Mihhail 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 18-19 : ill https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Water level extremes signal changes in the wind direction in the northeastern Baltic Sea

Soomere, Tarmo; Eelsalu, Maris; Pindsoo, Katri 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. 132-133 http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf