**A software platform to collect and store GPS drifter data**
**Giudici, Andrea**; **Soomere, Tarmo** 2019 European Space Agency Living Planet Symposium 2019 / 1 p
https://lps19.esa.int/NikalWebsitePortal/living-planet-symposium-2019/lps19/Speaker

**A comparison of Baltic Sea wave properties simulated using two modelled wind data sets**
**Giudici, Andrea**; **Jankowski, Mikolaj Zbigniew**; **Männikus, Rain**; **Najafzadeh, Fatemeh**; Suursaar, Ülo; **Soomere, Tarmo** Estuarine, coastal and shelf science 2023 / art. 108401, 15 p. : ill https://doi.org/10.1016/j.ecss.2023.108401

**Compressibility of surface flows under the combined effect of currents and winds**
**Giudici, Andrea**; **Kalda, Jaan**; **Soomere, Tarmo** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 47 https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf

**Development of a flexible, extendable, and low-cost control unit for surface drifters**
**Giudici, Andrea**; **Torsvik, Tomas**; **Soomere, Tarmo** Journal of atmospheric and oceanic technology 2017 / p. 669-677 : ill
http://doi.org/10.1175/JTECH-D-16-0116.1

**Effect of ice cover on wave statistics and wave-driven processes in the northern Baltic Sea**
**Najafzadeh, Fatemeh**; **Kudryavtseva, Nadezhda**; **Soomere, Tarmo**; **Giudici, Andrea** Boreal environment research 2022 / p. 97-116 : ill https://www.borenv.net/BER/archive/pdfs/ber27/ber27-097-116.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Estimating the wave statistics bias in the partially ice-covered regions of the Baltic Sea**
**Najafzadeh, Fatemeh**; **Kudryavtseva, Nadezhda**; **Giudici, Andrea**; **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. 181-182 : ill Proceeding

**Finnish Meteorological Institute's open data mining tool**
**Giudici, Andrea**; **Soomere, Tarmo** 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 59-62

**A first look to Lagrangian coherent structures in the Gulf of Finland as a meanto 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"

**Generation of large pollution patches via collisions of sticky floating parcels driven by wind and surface currents**
**Giudici, Andrea**; **Kalda, Jaan**; **Soomere, Tarmo** Marine pollution bulletin 2019 / p. 573–585 : ill
https://doi.org/10.1016/j.marpolbul.2019.02.039 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**High-resolution wave model for coastal management and engineering in theeastern 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

**Identification of areas of frequent patch formation from velocity fields**
**Giudici, Andrea**; **Soomere, Tarmo** Journal of coastal research 2013 / p. 231-236 : ill

**Influence of wind and waves on Lagrangian transport using a synergy of satellite and in-situ surface drifters for Baltic Sea**
**Delpeche-Ellmann, Nicole Camille**; **Giudici, Andrea**; **Soomere, Tarmo**; **Ellmann, Artu** XXVIII General Assembly of the International Union of Geodesy and Geophysics (IUGG) 2023 https://doi.org/10.57757/IUGG23-3642

**Intervjuu : Andrea Giudici**
**Giudici, Andrea** Teadus kolme minutiga : 2017-2019 2019 / lk. 44-49 : ill https://www.ester.ee/record=b5245642*est Läänemere lainete uurimine selgitab, kuidas tekivad ookeanis prügisaared

**Joint impact of currents and winds on the patch formation near the coasts of the Gulf of Finland**
**Giudici, Andrea**; **Kalda, Jaan**; **Soomere, Tarmo** The 15th International Coastal Symposium 2018 Haeundae, Busan, Republic of Korea 13th – 18th May 2018 : book of abstracts 2018 / p. 104

**Joint impact of currents and winds on the patch formation near the coasts of the Gulf of Finland**
**Giudici, Andrea**; **Kalda, Jaan**; **Soomere, Tarmo** Journal of coastal research Proceedings of the 15th International Coastal Symposium, Haeundae, Busan, 13-18 May 2018 2018 / p. 1156 - 1160 https://doi.org/10.2112/SI85-232.1
https://www.jcronline.org/doi/abs/10.2112/SI85-232.1 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at

WOS Article at WOS

**Kuidas kolme minutiga maailma muuta?**
**Giudici, Andrea**; Dorbek-Kolin, Elisabeth; Joonas, Elise; Roots, Fideelia-Signe; Urvik, Janek; **Uuemaa, Madis**; Laas, Oliver; Laansalu, Tiina Sirp 2017 / lk. 31 : fot http://www.sirp.ee/s1-artiklid/c21-teadus/kuidas-kolme-minutiga-maailma-muuta/

**Marine drifter data collection tool [Online resource]**
**Giudici, Andrea** 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. 32 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

**Measurement of spontaneous current-induced patch formation processes in the marine surface layer**
**Giudici, Andrea** 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. 246 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

**Measuring finite time compressibility from large simulated datasets : towards identification of areas of spontaneous patch formation in the Gulf of Finland**
**Giudici, Andrea**; **Soomere, Tarmo** Databases and Information Systems : proceedings of the 11th International Baltic Conference, Baltic DB&IS 2014 : Tallinn, Estonia, 8-11 June, 2014 2014 / p. 441-446 : ill

**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 https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

**Observations of Lagrangian transport using a synergy of satellite and in-situ surface drifters in the Baltic Sea for the period 2011-2018**
**Delpeche-Ellmann, Nicole Camille**; **Giudici, Andrea**; **Rätsep, Margus**; **Soomere, Tarmo**; **Ellmann, Artu** Living Planet Symposium : Bonn, 23-27 May 2022 2022 / 1 p https://express.converia.de/frontend/index.php?page_id=22770&additions_conferenceschedule_action=detail&additions_conferenceschedule_controller=paperList&pid=66768&hash=c6edadcd07d79522805fc8f6f306e4565b46e806a78f56dc65f0df9e4f142dc0

**Observations of surface drift and effects induced by wind and surface waves in the Baltic Sea for the period 2011–2018**
**Delpeche-Ellmann, Nicole Camille**; **Giudici, Andrea**; **Rätsep, Margus**; **Soomere, Tarmo** Estuarine, coastal and shelf science 2021 / art. 107071, 13 p. : ill., map https://doi.org/10.1016/j.ecss.2020.107071 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**On the finite-time compressibility of the surface currents in the Gulf of Finland, the Baltic Sea**
**Kalda, Jaan**; **Soomere, Tarmo**; **Giudici, Andrea** Journal of marine systems 2014 / p. 56-65 : ill

**Patchiness of the sea surface under the combined effects of winds and currents**
**Giudici, Andrea**; **Soomere, Tarmo**; **Kalda, Jaan** From small scales to large scales - The Gulf of Finland Science Days 2017, 9th-10th October 2017, Estonian Academy of Sciences, Tallinn : Oral presentations 2017 / p. 20 https://www.etis.ee/File/DownloadPublic/ebda3e4a-2eb0-4f26-971f-f16046bc0bed?name=TheGulfOfFinlandScienceDays_2017.pdf&type=application%2Fpdf

**Quantification of spontaneous current-induced patch formation in the marine surface layer = Spontaanne laikude formeerumine mere pinnahoovuste mõjul**
**Giudici, Andrea** 2015 https://digi.lib.ttu.ee/i/?1871

**Saaste jälgimise tehnoloogia Soome lahes**
**Giudici, Andrea** Teadus kolme minutiga : 2017-2019 2019 / lk. 40-43 : portr., kaart https://www.ester.ee/record=b5245642*est

**The effects of wind and waves on in-situ surface drift in the Baltic Sea [Online resource]**
**Delpeche-Ellmann, Nicole Camille**; **Giudici, Andrea**; **Soomere, Tarmo** Geophysical research abstracts 2020 / p. EGU2020-11496 https://doi.org/10.5194/egusphere-egu2020-11496

**The run-up of long waves of different polarity on non-reflecting and flat cross-shore profiles**
Rodin, Artem; Zemlyanikin, Andrey; Kurkin, Andrey; **Giudici, Andrea** 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. 54 http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Sympozium_20180528.pdf

**The run-up of long waves of different polarity on non-reflecting and flat cross-shore profiles**
Rodin, Artem; Zemlyanikin, Andrey; Kurkin, Andrey; **Giudici, Andrea** 2018 IEEE/OES Baltic International Symposium (BALTIC 2018) : Klaipeda, Lithuania 12 - 15 June 2018 2018 / p. 128-133 : ill https://doi.org/10.1109/BALTIC.2018.8634864

**Tracking areas with increased likelihood of surface particle aggregation in the Gulf of Finland : a first look at persistent Lagrangian Coherent Structures (LCS)**
**Giudici, Andrea**; Suara, Kabir Adewale; **Soomere, Tarmo**; Brown, Richard J. Journal of marine systems 2021 / art. 103514, 8 p. : ill., map https://doi.org/10.1016/j.jmarsys.2021.103514 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Validation of multi-mission satellite altimetry for the Baltic Sea region**
**Kudryavtseva, Nadezhda**; **Soomere, Tarmo**; **Giudici, Andrea** Geophysical research abstracts 2016 / p. EGU2016-5571