

### **Abrupt rise in the contribution of CH<sub>4</sub> derived carbon to benthic secondary production of a shallow hemiboreal/boreal lake**

Belle, Simon; Tõnno, Ilmar; **Stivrinš, Normunds**; Freiberg, Rene; **Veski, Siim** Journal of quaternary science 2018 / p. 969-976 : ill <https://doi.org/10.1002/jqs.3075> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Aliphatic dicarboxylic acids from oil shale organic matter - historic review**

Veski, Rein; **Veski, Siim** Oil shale 2019 / p. 76-95 : phot <https://doi.org/10.3176/oil.2019.1.06> [http://www.kirj.ee/public/oilshale\\_pdf/2019/issue\\_1/OS-2019-1-76-95.pdf](http://www.kirj.ee/public/oilshale_pdf/2019/issue_1/OS-2019-1-76-95.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bayesian models for climate reconstruction from pollen records**

Holmström, Lasse; Ilvonen, Liisa; Seppä, Heikki; **Veski, Siim** Proceedings of the 6th International Workshop on Climate Informatics : CI 2016 2016 / p. 1-4 : ill <https://opensky.ucar.edu/islandora/object/technotes:543>

### **Bayesian models for climate reconstruction from pollen records**

Holmström, Lasse; Ilvonen, Liisa; Seppä, Heikki; **Veski, Siim** ISBA 2016 : International Society for Bayesian Analysis : book of abstracts 2016 / p. 304-305 [http://www.corsiecongressi.com/isba2016/pdf/ISBA2016\\_book\\_abstract.pdf](http://www.corsiecongressi.com/isba2016/pdf/ISBA2016_book_abstract.pdf)

### **A Bayesian multinomial regression model for palaeoclimate reconstruction with time uncertainty**

Ilvonen, Liisa; Holmström, Lasse; Seppä, Heikki; **Veski, Siim** Environmetrics 2016 / p. 409-422 : ill <https://doi.org/10.1002/env.2393> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A bayesian spatiotemporal model for reconstructing climate from multiple pollen records**

Holmström, Lasse; Ilvonen, Liisa; Seppä, Heikki; **Veski, Siim** Annals of Applied Statistics 2015 / p. 1194 - 1225 <https://doi.org/10.1214/15-AOAS832> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Biotic turnover rates during the Pleistocene-Holocene transition**

**Stivrinš, Normunds**; Soininen, Janne; **Amon, Leeli**; **Reitalu, Triin**; **Veski, Siim** Quaternary science reviews 2016 / p. 100-110 : ill <https://doi.org/10.1016/j.quascirev.2016.09.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Broadleaf deciduous forest counterbalanced the direct effect of climate on Holocene fire regime in hemiboreal/boreal region (NE Europe)**

Feurdean, Angelica; **Veski, Siim**; **Amon-Veskimeister, Leeli**; **Heinsalu, Atko**; **Vassiljev, Jüri** Quaternary science reviews 2017 / p. 378-390 : ill <https://doi.org/10.1016/j.quascirev.2017.05.024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Chironomidae-based inference model for mean July air temperature reconstructions in the eastern Baltic area**

**Bakumenko, Varvara**; **Poska, Anneli**; Plociennik, Mateusz; Gasteviciene, Neringa; Kotrys, Bartosz; Luoto, Tomi P.; Belle, Simon; **Veski, Siim** Boreas 2024 / p. 401 - 414 <https://doi.org/10.1111/bor.12655> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Chironomid-climate continentality conundrum**

**Bakumenko, Varvara**; **Poska, Anneli**; **Birks, Hillary John Betteley**; **Huser, Brian**; **Veski, Siim** PLoS One 2025 / art. e0327780 : ill., map <https://doi.org/10.1371/journal.pone.0327780>

### **Climate variability and associated vegetation response throughout Central and Eastern Europe (CEE) between 60 and 8ka**

Feurdean, Angelica; Perşoiu, A.; Tanţău, I.; Stevens, T.; Connor, S.; Magyari, E.K.; Onac, B.P.; Marković, S.; Andrič, M.; **Veski, Siim** Quaternary science reviews 2014 / p. 206-224 : ill <https://doi.org/10.1016/j.quascirev.2014.06.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Deglaciation chronology of the Pandivere and Palivere ice-marginal zones in Estonia**

**Saarse, Leili**; **Heinsalu, Atko**; **Veski, Siim** Geological quarterly 2012 / p. 353-361 : ill <https://gq.pgi.gov.pl/article/view/7719>

### **Detection of the Askja AD 1875 cryptotephra in Latvia, Eastern Europe**

**Stivrinš, Normunds**; Wulf, Sabine; **Alliksaar, Tiiu**; **Heinsalu, Atko**; **Veski, Siim** Journal of quaternary science 2016 / p. 437-441 : ill <https://doi.org/10.1002/jqs.2868> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Determining reference conditions of hemiboreal lakes in Latvia, NE Europe: a palaeolimnological approach**

**Stivrinš, Normunds**; Grudzinska, Ieva; **Elmi, Kati**; **Heinsalu, Atko**; **Veski, Siim** Annales de limnologie - International journal of limnology 2018 / art. 22, 12 p <https://doi.org/10.1051/limn/2018014> [http://www.ester.ee/record=b2246661\\*est](http://www.ester.ee/record=b2246661*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development of palaeolake Haljala**

**Saarse, Leili**; Niinemets, Eve; **Amon, Leeli**; **Heinsalu, Atko**; **Veski, Siim**; Sohar, Kadri Extent and timing of the Weichselian

Glaciation southeast of the Baltic Sea : International Field Symposium of the INQUA Peribaltic Working Group : Tartu, September 13-17, 2009 : [abstracts & guidebook] 2009 / p. 41-42 : ill

**Development of the late glacial Baltic basin and the succession of vegetation cover as revealed at Palaeolake Haljala, northern Estonia**

**Saarse, Leili;** Niinemets, Eve; **Amon, Leeli; Heinsalu, Atko; Veski, Siim;** Sohar, Kadri Estonian journal of earth sciences 2009 / 4, p. 317-333 : ill [https://artiklid.elnet.ee/record=b1944248\\*est](https://artiklid.elnet.ee/record=b1944248*est)

**Diatom stratigraphy and relative sea level changes of the Eastern Baltic Sea over the Holocene = Ränivetikate stratigraafia ja Läänemere idaosa veetaseme muutused Holotseenis**

**Grudzinska, Ieva** 2015 <https://digi.lib.ttu.ee/i/?3919> [https://www.ester.ee/record=b4531163\\*est](https://www.ester.ee/record=b4531163*est)

**Diversity components of 14000-year palynological record : richness, evenness and phylogenetic diversity**

**Reitalu, Triin;** Gerhold, Pille; Väli, Vivika; Pärtel, Meelis; **Veski, Siim** 56th Symposium of the International Association for Vegetation Science "Vegetation patterns and their underlying processes" : abstracts : 26-30 June 2013 Tartu, Estonia 2013 / p. 202

**Drastic changes in lake ecosystem development as a consequence of flax retting: a multiproxy palaeolimnological study of Lake Kooraste Linajärv, Estonia**

**Liiv, Merlin; Alliksaar, Tiiu;** Freiberg, Rene; **Heinsalu, Atko;** Ott, Ingmar; **Reitalu, Triin;** Tõnno, Ilmar; **Vassiljev, Jüri; Veski, Siim** Vegetation history and archaeobotany 2018 / p. 437-451 : ill <https://doi.org/10.1007/s00334-017-0650-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Drivers of change and ecosystem status in a temperate lake over the last Post-Glacial period from 14.5 kyr [Online resource]**

Tõnno, Ilmar; Freiberg, Rene; Talas, Liisi; Kisand, Anu; Belle, Simon; **Stivrinš, Normunds; Alliksaar, Tiiu; Heinsalu, Atko; Veski, Siim;** Kisand, Veljo bioRxiv 2020 / 26 p. : ill <https://doi.org/10.1101/2020.03.27.011502>

**Eesti elustiku ajaskaalad**

**Veski, Siim; Reitalu, Triin; Amon, Leeli; Lõugas, Lembi** Eesti Loodus 2020 / lk. 16-22 : ill [http://www.ester.ee/record=b1072059\\*est](http://www.ester.ee/record=b1072059*est)

**Eesti lagealad räägivad süsteemsest metsapõletamisest [Võrguväljaanne]**

Harrik, Airika; **Veski, Siim** novaator.err.ee 2020 / fot [Eesti lagealad räägivad süsteemsest metsapõletamisest](#)

**Eesti noored said rahvusvahelisel maateaduste olümpiaadil medalisaju**

Mente et Manu 2022 / lk. 10-11 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Environment of European Last Mammoths : Reconstructing the Landcover of the Eastern Baltic Area at the Pleistocene/Holocene Transition**

**Krivokorin, Ivan; Poska, Anneli; Vassiljev, Jüri; Veski, Siim; Amon, Leeli** Land 2025 / art. 178 <https://doi.org/10.3390/land14010178>

**Environmental drivers and abrupt changes of phytoplankton community in temperate lake Lielais Svētiņu, Eastern Latvia, over the last Post-Glacial period from 14.5 kyr**

Tõnno, Ilmar; Talas, Liisi; Freiberg, Rene; Kisand, Anu; Belle, Simon; **Stivrinš, Normunds; Alliksaar, Tiiu; Heinsalu, Atko; Veski, Siim;** Kisand, Veljo Quaternary science reviews 2021 / art. 107006 <https://doi.org/10.1016/j.quascirev.2021.107006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**European pollen-based REVEALS land-cover reconstructions for the Holocene : methodology, mapping and potentials**

Githumbi, Esther; Fyfe, Ralph; Gaillard, Marie-Jose; Trondman, Anna-Kari; Mazier, Florenze; Nielsen, Anne Birgitte; **Poska, Anneli;** Sugita, Shinya; **Veski, Siim** Earth system science data 2022 / p. 1581–1619 <https://doi.org/10.5194/essd-14-1581-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fire hazard modulation by long-term dynamics in land cover and dominant forest type in eastern and central Europe**

Feurdean, Angelica; Vanniore, Boris; Finsinger, Walter; **Poska, Anneli; Vassiljev, Jüri; Veski, Siim** Biogeosciences 2020 / p. 1213–1230 <https://doi.org/10.5194/bg-17-1213-2020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**From bog to fen : palaeoecological reconstruction of the development of a calcareous spring fen on Saaremaa, Estonia**

**Blaus, Ansis; Reitalu, Triin; Amon, Leeli; Vassiljev, Jüri; Alliksaar, Tiiu; Veski, Siim** Vegetation history and archaeobotany 2020 / p. 373–391 : ill <https://doi.org/10.1007/s00334-019-00748-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**From microbial eukaryotes to metazoan vertebrates : Wide spectrum paleodiversity in sedimentary ancient DNA over the last ~14,500 years**

Kisand, Veljo; Talas, Liisi; Kisand, Anu; Stivrinš, Normunds; **Reitalu, Triin; Alliksaar, Tiiu; Vassiljev, Jüri; Liiv, Merlin; Heinsalu, Atko; Seppä, Heikki; Veski, Siim** Geobiology 2018 / p. 628-639 : ill <https://doi.org/10.1111/gbi.12307> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

**From modern pollen–plant relationships to Holocene vegetation diversity reconstructions = Õietolmu ja taimestiku seostest tänapäeva maastikes taimede mitmekesisuse rekonstruktsioonideni läbi Holotseeni**

**Blaus, Ansis** 2020 [https://www.ester.ee/record=b5373628\\*est](https://www.ester.ee/record=b5373628*est) <https://digikogu.taltech.ee/et/Item/3ad0b229-a4d3-4e5a-88a8-531ea86ad09a>

**Holocene fire activity during low-natural flammability periods reveals scale-dependent cultural human-fire relationships in Europe**

Dietze, Elisabeth; Theuerkauf, Martin; Bloom, Karolina; **Poska, Anneli; Stivriņš, Normunds; Vassiljev, Jüri; Veski, Siim** Quaternary science reviews 2018 / p. 44-56 : ill <https://doi.org/10.1016/j.quascirev.2018.10.005> [Journal metrics](#) [at Scopus](#) [Article at Scopus](#) [Journal metrics](#) [at WOS](#) [Article at WOS](#)

**Holocene hydroclimate variability in the eastern Baltic region inferred from open and closed-basin lake sediment stable isotope records**

Stansell, Nathan; **Eensalu, Mariliis**; Terasmaa, Jaanus; **Poska, Anneli; Veski, Siim** IPA-IAL 2018 Joint Meeting : Unravelling the Past and Future of Lakes : abstract book 2018 / p. 112 <http://dx.doi.org/10.5281/zenodo.1287585>

**Holocene rapid climate changes and ice-rafting debris events reflected in high-resolution European charcoal records**

Florescu, Gabriela; Brown, Kendrick J.; Carter, Vachel A.; **Veski, Siim** Quaternary science reviews 2019 / art. 105877, 13 p. : ill <https://doi.org/10.1016/j.quascirev.2019.105877> [Journal metrics](#) [at Scopus](#) [Article at Scopus](#) [Journal metrics](#) [at WOS](#) [Article at WOS](#)

**Impact of human activity and fire on vegetation, hydrology, and carbon accumulation in Mustjärve bog, Northwest Estonia (PEATFLAMES)**

Roberts, Harry; Andrews, Luke; **Amon, Leeli; Heinsalu, Atko**; Kołaczek, Piotr; Marcisz, Katarzyna; Słowiński, Michał; Stivriņš, Normunds; **Veski, Siim**; Lamentowicz, Mariusz EGU General Assembly 2024 2024 / EGU24-8157 <https://doi.org/10.5194/egusphere-egu24-8157>

**Indicative value and training set of freshwater organic-walled algal palynomorphs (non-pollen palynomorphs)**

Stivriņš, Normunds; Trasune, Liva; Jasiunas, Nauris; Kalnina, Laimdota; Briede, Agrita; Maksims, Alekss; Steinberga, Dace; Jeskins, Jurijs; Rendenieks, Zigmaris; **Veski, Siim** Quaternary science reviews 2022 / art. 107450, 19 p. : ill <https://doi.org/10.1016/j.quascirev.2022.107450> [Journal metrics](#) [at Scopus](#) [Article at Scopus](#) [Journal metrics](#) [at WOS](#) [Article at WOS](#)

**Investigating the impact of anthropogenic land use on a hemiboreal lake ecosystem using carbon/nitrogen ratios and coupled-optical emission spectroscopy**

**Stivriņš, Normunds; Liiv, Merlin**; Brow, Alex D.; Banerjea, Rowena Yvonne; **Heinsalu, Atko; Veski, Siim** Palaeogeography, palaeoclimatology, palaeoecology 2019 / p. 1-9 : ill <https://doi.org/10.1016/j.palaeo.2019.01.007> [Journal metrics](#) [at Scopus](#) [Article at Scopus](#) [Journal metrics](#) [at WOS](#) [Article at WOS](#)

**Kaheksa uut tenuuriprofessorit**

**Sell, Raivo; Pikas, Ergo; Hints, Olle; Veski, Siim; Lahtvee, Petri-Jaan; Ottis, Rain; Kiviste, Mihkel; Ross, Peeter** Mente et Manu 2021 / lk. 48-51 : portr [Mente et Manu 1/2021](#) [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Kliima ja geoloogia**

**Veski, Siim** Kliimast, geoloogiast, ringmajandusest ja ajaloost 2024 / lk. 40 [https://www.ester.ee/record=b5673955\\*est](https://www.ester.ee/record=b5673955*est) <https://kirjandus.geoloogia.info/reference/49151>

**Lake ecosystem responses to Holocene environmental changes: two diatom-based high-resolution case studies from southern Estonia**

**Heinsalu, Atko; Poska, Anneli; Veski, Siim** The Seventh Baltic Stratigraphical Conference : 17-18 May 2008, Tallinn, Estonia : abstracts & field guide 2008 / p. 23

**Laminated Estonian lake sediment record as an indicator of past precipitation changes**

**Eensalu, Mariliis**; Stansell, Nathan; **Poska, Anneli; Veski, Siim** IPA-IAL 2018 Joint Meeting : Unravelling the Past and Future of Lakes : abstract book 2018 / p. 116 <http://doi.org/10.5281/zenodo.1287585>

**Landscape change in central Latvia since the Iron Age : multi-proxy analysis of the vegetation impact of conflict, colonization and economic expansion during the last 2,000 years**

**Stivriņš, Normunds**; Brown, Alex; **Reitalu, Triin; Veski, Siim; Heinsalu, Atko**; Banerjea, Rowena Yvonne; **Elmi, Kati** Vegetation History and Archaeobotany 2015 / p. 377 - 391 <https://doi.org/10.1007/s00334-014-0502-y> [Journal metrics](#) [at Scopus](#) [Article at Scopus](#) [Journal metrics](#) [at WOS](#) [Article at WOS](#)

**Large herbivore population and vegetation dynamics 14,600–8300 years ago in central Latvia, northeastern Europe**

**Stivriņš, Normunds**; Cerina, Aija; Galka, Mariusz; **Heinsalu, Atko**; Lõugas, Lembi; **Veski, Siim** Review of palaeobotany and palynology 2019 / p. 42-51 : ill <https://doi.org/10.1016/j.revpalbo.2019.04.005> [Journal metrics](#) [at Scopus](#) [Article at Scopus](#) [Journal metrics](#) [at WOS](#) [Article at WOS](#)

**Late glacial and early Holocene climate and environmental changes in the eastern Baltic area inferred from sediment C/N ratio**

**Liiv, Merlin; Alliksaar, Tiiu; Amon, Leeli;** Freiberg, Rene; **Heinsalu, Atko; Reitalu, Triin; Saarse, Leili;** Seppä, Heikki; **Stivrinš, Normunds;** Tõnno, Ilmar; **Vassiljev, Jüri; Veski, Siim** Journal of paleolimnology 2019 / p. 1–16 : ill <https://doi.org/10.1007/s10933-018-0041-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Late glacial multiproxy evidence of vegetation development and environmental change at Solova, southeastern Estonia**

**Amon, Leeli; Heinsalu, Atko; Veski, Siim** Estonian journal of earth sciences 2010 / 2, p. 151-163 : ill [https://artiklid.elnet.ee/record=b2163552\\*est](https://artiklid.elnet.ee/record=b2163552*est)

**Late-Glacial multiproxy evidence of vegetation development and climate change at Solova, southern Estonia**

**Amon, Leeli; Heinsalu, Atko; Veski, Siim** Extent and timing of the Weichselian Glaciation southeast of the Baltic Sea : International Field Symposium of the INQUA Peribaltic Working Group : Tartu, September 13-17, 2009 : [abstracts & guidebook] 2009 / p. 9

**Lateglacial vegetation dynamics in the eastern Baltic region between 14,500 and 11,400 cal yr BP : a complete record since the Bølling (GI-1e) to the Holocene**

**Veski, Siim; Amon, Leeli; Heinsalu, Atko; Reitalu, Triin; Saarse, Leili; Stivrinš, Normunds; Vassiljev, Jüri** Quaternary science reviews 2012 / p. 39-53 : ill <https://sci-hub.ru/10.1016/j.quascirev.2012.02.013>

**Litorina Sea sediments of ancient Vääna Lagoon, northwestern Estonia**

**Saarse, Leili; Heinsalu, Atko; Veski, Siim** Estonian journal of earth sciences 2009 / 1, p. 85-93 : ill [https://artiklid.elnet.ee/record=b1205622\\*est](https://artiklid.elnet.ee/record=b1205622*est)

**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

**Local and regional Holocene vegetation dynamics at two sites in eastern Latvia**

**Stivrinš, Normunds;** Kalnina, Laimdota; **Veski, Siim;** Zeimule, Sandra Boreal environment research 2014 / p. 310-322 : ill <https://helda.helsinki.fi/server/api/core/bitstreams/058c48fe-ebcd-46e2-be77-f5952af1ab6b/content> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Long-term drivers of forest composition in a boreonemoral region: The relative importance of climate and human impact**

**Reitalu, Triin;** Seppä, Heikki; Sugita, Shinya; Kangur, Mihkel; Koff, Tiiu; Avel, Eve; Kihno, Kersti; **Vassiljev, Jüri;** Renssen, Hans; Hammarlund, Dan; Heikkilä, Maija; Saarse, Leili; **Poska, Anneli; Veski, Siim** Journal of Biogeography 2013 / p. 1524 - 1534 <https://doi.org/10.1111/jbi.12092> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Lõuna-Eesti väikejärvede päristjääaegsest arenguloost Tõugjärve näitel**

**Heinsalu, Atko; Veski, Siim** Järvekomisjon 100 2007 / lk. 43-48 : ill

**Maapõuevisioon**

**Veski, Siim** Maapõuevisioon 2018 / lk. 39-40 <https://drive.google.com/file/d/1pjKPPVvKp2tP6-ctkrPlxsagoXNd72hF1/view> [https://www.ester.ee/record=b5165467\\*est](https://www.ester.ee/record=b5165467*est)

**Maateaduse olümpiaadil tabas eestlasi medalisadu**

Imeline Teadus 2022 / lk. 22 [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

**Millennial-scale disturbance history of the boreal zone**

Aakala, Tuomas; Remy, Cécile C.; Arseneault, Dominique; Morin, Hubert; Girardin, Martin P.; Gennaretti, Fabio; Navarro, Lionel; Kuosmanen, Niina; **Stivrinš, Normunds** Boreal Forests in the Face of Climate Change 2023 / p. 53-87 [https://doi.org/10.1007/978-3-031-15988-6\\_2](https://doi.org/10.1007/978-3-031-15988-6_2)

**Mire plant diversity change over the last 10,000 years : Importance of isostatic land uplift, climate and local conditions**

**Blaus, Ansis; Reitalu, Triin; Poska, Anneli; Vassiljev, Jüri; Veski, Siim** Journal of ecology 2021 / p. 3634-3651 <https://doi.org/10.1111/1365-2745.13742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Model-based reconstructions of lake environments in the Baltic States using subfossil cladocera = Subfossiilsete vesikirbuliste põhised järvekeskkonna mudelrekonstruktsioonid Läänemeremaades**

**Lanka, Anna** 2025 [https://www.ester.ee/record=b5754734\\*est](https://www.ester.ee/record=b5754734*est) <https://digikogu.taltech.ee/et/Item/354a970b-7d88-4605-9772-6c372ffef8a8> <https://doi.org/10.23658/taltech.51/2025>

**Modern pollen–plant diversity relationships inform palaeoecological reconstructions of functional and phylogenetic diversity in calcareous fens**

**Blaus, Ansis; Reitalu, Triin;** Gerhold, Pille; Hiiesalu, Inga; Massante, Jhonny Capichoni; **Veski, Siim** Frontiers in ecology and evolution 2020 / 22 p. : ill <https://doi.org/10.3389/fevo.2020.00207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **New data on Estonian Late-Glacial chronology and environment: evidence from lake Nakri, Southern Estonia**

**Veski, Siim; Amon, Leeli; Heinsalu, Atko** The Seventh Baltic Stratigraphical Conference : 17-18 May 2008, Tallinn, Estonia : abstracts & field guide 2008 / p. 72

## **A new formal subdivision of the Holocene Series/Epoch in Estonia**

Hang, Tiit; **Veski, Siim; Vassiljev, Jüri; Poska, Anneli**; Kriiska, Aivar; **Heinsalu, Atko** Estonian journal of earth sciences 2020 / p. 269–280 <https://doi.org/10.3176/earth.2020.15> [Journal metrics at Scopus](#) [Article at Scopus](#)

## **Novel insights into post-glacial vegetation change : functional and phylogenetic diversity in pollen records**

**Reitalu, Triin**; Gerhold, Pille; **Poska, Anneli**; Pärtel, Meelis; Väli, Vivika; **Veski, Siim** Journal of Vegetation Science 2015 / p. 911 - 922 <https://doi.org/10.1111/jvs.12300> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **On the deglaciation chronology of the Palivere ice-marginal zone, northern Estonia**

**Saarse, Leili; Heinsalu, Atko; Veski, Siim; Amon, Leeli**; Gaidamavicius, Andrejus Bulletin of the Geological Society of Finland 2012 / p. 21-31 : ill [https://www.researchgate.net/publication/286111315\\_On\\_the\\_deglaciation\\_chronology\\_of\\_the\\_Palivere\\_ice-marginal\\_zone\\_northern\\_Estonia](https://www.researchgate.net/publication/286111315_On_the_deglaciation_chronology_of_the_Palivere_ice-marginal_zone_northern_Estonia)

## **A palaeocoastline reconstruction for the Käsma and Pärjspea peninsulas (northern Estonia) over the last 4000 years**

**Grudzinska, Ieva; Saarse, Leili; Vassiljev, Jüri; Heinsalu, Atko; Veski, Siim** Estonian journal of earth sciences 2012 / p. 307-316 : ill <https://doi.org/10.3176/earth.2012.4.09>

## **Palaeoecological data indicates land-use changes across Europe linked to spatial heterogeneity in mortality during the Black Death pandemic**

Izdebski, Adam; Guzowski, Piotr; Poniat, Radoslaw; Masci, Lucrezia; Palli, Jordan; Vignola, Cristiano; Bauch, Martin; Coccozza, Carlo; Fernandes, Ricardo; Ljungqvist, Fredrik; **Poska, Anneli; Reitalu, Triin; Stivrins, Normunds; Veski, Siim** Nature Ecology & Evolution 2022 / p. 297-306 <https://doi.org/10.1038/s41559-021-01652-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Palaeoecological evidence of agricultural activity and human impact on the environment at the ancient settlement centre of Keava, Estonia**

**Heinsalu, Atko; Veski, Siim** Estonian journal of earth sciences 2010 / 1, p. 80-89 : ill [https://artiklid.elnet.ee/record=b1965728\\*est](https://artiklid.elnet.ee/record=b1965728*est)

## **Palaeoecological reconstruction of late-glacial vegetation dynamics in Eastern Baltic Area : a view based on plant macrofossil analysis = Hilisjäaegsed taimkattemuutused Ida-Baltikumis taimsete makrojäänuste analüüsi põhjal**

**Amon, Leeli** 2011 [http://www.ester.ee/record=b2723506\\*est](http://www.ester.ee/record=b2723506*est)

## **Palaeoenvironmental evidence for the impact of the crusades on the local and regional environment of medieval (13th-16th century) northern Latvia, eastern Baltic**

**Stivrins, Normunds**; Brown, Alex; **Veski, Siim**; Ratniece, Vita; **Heinsalu, Atko**; Austin, Jennifer; **Liiv, Merlin**; Cerina, Aija The Holocene 2016 / p. 61-69 : ill <https://doi.org/10.1177/0959683615596821> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Palaeogeographic model for the SW Estonian coastal zone of the Baltic Sea**

Rosentau, Alar; **Veski, Siim**; Kriiska, Aivar; Aunap, Raivo; **Vassiljev, Jüri; Saarse, Leili**; Hang, Tiit; **Heinsalu, Atko; Oja, Tõnis** The Baltic Sea basin 2011 / p. 165-188 : ill

## **Past environmental change and seawater intrusion into coastal Lake Lilaste, Latvia**

**Grudzinska, Ieva; Vassiljev, Jüri; Saarse, Leili; Reitalu, Triin; Veski, Siim** Journal of paleolimnology 2017 / p. 257-271 : ill <https://doi.org/10.1007/s10933-017-9945-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Patterns in recent and Holocene pollen accumulation rates across Europe - the Pollen Monitoring Programme Database as a tool for vegetation reconstruction**

Vojtěch, Abraham; Hicksa, Sheila; Svobodová-Svitavská, Helena; Koff, Tiit; **Veski, Siim** Biogeosciences 2021 / p. 4511–4534 : ill <https://doi.org/10.5194/bg-18-4511-2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Phytoplankton response to the environmental and climatic variability in a temperate lake over the last 14,500 years in eastern Latvia**

**Stivrins, Normunds**; Kolaczek, Piotr; **Reitalu, Triin**; Seppä, Heikki T.; **Veski, Siim** Journal of Paleolimnology 2015 / p. 103 - 119 <https://doi.org/10.1007/s10933-015-9840-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Plant macrofossil evidence for an early onset of the Holocene summer thermal maximum in northernmost Europe**

Väiliranta, Minna M.; Salonen, J. Sakari; Heikkilä, Maija P.; **Amon, Leeli**; Helmens, Karin F.; Klimaschewski, Andrea; Kuhry, Peter; Kultti, Seija; **Poska, Anneli**; Shala, Shygrete; **Veski, Siim**; Birks, Hilary H. Nature Communications 2015 / art. 6809 <https://doi.org/10.1038/ncomms7809> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Pollen-based quantitative reconstructions of Holocene regional vegetation cover (plant-functional types and land-cover**

### types) in Europe suitable for climate modelling

Trondman, Anna Kari; Gaillard, Marie José; Mazier, Florence; Sugita, Shinya; Fyfe, Ralph M.; Nielsen, Anne Birgitte; Twiddle, Claire L.; Barratt, Philip; Birks, Hillary John Betteley; Björne, Anne Elisabeth; **Veski, Siim** Global Change Biology 2015 / p. 676 - 697

<https://doi.org/10.1111/gcb.12737> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Postglacial Climate Change in Eastern Europe : Focus on Chironomid-based Reconstruction of Summer Temperatures and Continentality = Pärastjääaja kliimamuutus Ida-Euroopas : fookus Hironomiidide-põhisele suvetemperatuuride ja kontinentaalsuse rekonstruktsioonile

**Bakumenko, Varvara** 2025 [https://www.ester.ee/record=b5757545\\*est](https://www.ester.ee/record=b5757545*est) <https://digikogu.taltech.ee/et/Item/6fdd0fb0-4152-4502-944e-c0ab7af0b10d> <https://doi.org/10.23658/taltech.53/2025>

### Postglacial environmental conditions, vegetation succession and human impact In Latvia = Pärastjääaja keskkonnatingimused, taimeistik ja inimõju Lätis

**Stivrīns, Normunds** 2015 [https://www.ester.ee/record=b4447416\\*est](https://www.ester.ee/record=b4447416*est)

### Postglacial flooding and vegetation history on the Ob River terrace, central Western Siberia based on the palaeoecological record from Lake Svetlenkoye

**Amon, Leeli; Blaus, Ansis; Alliksaar, Tiiu; Heinsalu, Atko;** Lapshina, Elena; **Liiv, Merlin; Reitalu, Triin; Vassiljev, Jüri; Veski, Siim** The Holocene 2020 / p. 618–631 <https://doi.org/10.1177/0959683619895582> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Pärastjääaja looduskeskkond ja kliima Eestis

**Veski, Siim** Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 228-231

### Quantitative land-cover change in space and time over the last 11 000 years in the Baltic Sea catchment area and Norway - implications for studies on vegetation-climate interactions and land-use as a forcing of climate change

Trondman, Anna-Kari; Gaillard, Marie-Jose; Nielsen, Anne Birgitte; **Veski, Siim** Geophysical research abstracts 2016 / p. EGU2016-6169 <http://meetingorganizer.copernicus.org/EGU2016/EGU2016-6169.pdf>

### Quantitative summer and winter temperature reconstructions from pollen and chironomid data between 15 and 8 ka BP in the Baltic-Belarus area

**Veski, Siim;** Seppä, Heikki; Stančikaite, Migle; Zernitskaya, Valentina; **Reitalu, Triin;** Gryguc, Grażyna; **Heinsalu, Atko; Stivrīns, Normunds; Amon, Leeli; Vassiljev, Jüri;** Heiri, Oliver Quaternary International 2015 / p. 4 - 11

<https://doi.org/10.1016/j.quaint.2014.10.059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Reconstruction of organic carbon sources in the palaeoenvironment of a lake : an optical approach

**Leeben, Aina; Alliksaar, Tiiu; Heinsalu, Atko; Lepane, Viia;** Salujõe, Jaana; **Veski, Siim** The 23rd International Meeting on Organic Geochemistry (IMOG2007) : Torquay, England, 9-14 September 2007 2007 / p. 1051-1052

### Rejoinder : [A Bayesian multinomial regression model for palaeoclimate reconstruction with time uncertainty]

Ilvonen, Liisa; Holmström, Lasse; Seppä, Heikki; **Veski, Siim** Environmetrics 2016 / p. 434-438 : ill <https://doi.org/10.1002/env.2409> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Sedimentary Ancient DNA (sedaDNA) Reveals Fungal Diversity and Environmental Drivers of Community Changes throughout the Holocene in the Present Boreal Lake Lielais Svētīņu (Eastern Latvia)

Talas, Liisi; Stivrīns, Normunds; **Veski, Siim;** Tedersoo, Leho; Kisand, Veljo Microorganisms 2021 / art. 719, 21 p. : ill., map <https://doi.org/10.3390/microorganisms9040719> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Sissevaade jääajajärgsetesse ökosüsteemidesse

**Reitalu, Triin; Veski, Siim** Ökosüsteemsus : [44. teoreetilise bioloogia kevadkooli ettekanded : 2018, Harmi] 2018 / lk. 81–92

[https://www.ester.ee/record=b5056689\\*est](https://www.ester.ee/record=b5056689*est) <https://kevadkool.elus.ee/?do=autor&id=298> <https://kevadkool.elus.ee/?do=files&fileid=564&type=p>

### Soojenev kliima võib põhjustada kliimajahenemist

**Veski, Siim** Eesti Loodus 2005 / 1, lk. 20-22, 24 : ill [https://artiklid.elnet.ee/record=b2340122\\*est](https://artiklid.elnet.ee/record=b2340122*est)

### Spring onset and seasonality patterns during the Late Glacial period in the eastern Baltic region

**Amon, Leeli;** Wagner-Cremer, Friederike; **Vassiljev, Jüri; Veski, Siim** Climate of the Past 2022 / p. 2143-2153 : ill., map <https://doi.org/10.5194/cp-18-2143-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Stop 5: New late glacial chronology, environmental and climatic conditions in southern Estonia : evidence from lake Nakri

**Amon, Leeli; Veski, Siim; Heinsalu, Atko; Saarse, Leili** Extent and timing of the Weichselian Glaciation southeast of the Baltic Sea : International Field Symposium of the INQUA Peribaltic Working Group : Tartu, September 13-17, 2009 : [abstracts & guidebook] 2009 / p. 73-74

### Stop 6: Holocene lake responses to land-use induced catchment changes and disturbances in southern Estonia : linking

## land and lake

**Heinsalu, Atko; Poska, Anneli; Veski, Siim** Extent and timing of the Weichselian Glaciation southeast of the Baltic Sea : International Field Symposium of the INQUA Peribaltic Working Group : Tartu, September 13-17, 2009 : [abstracts & guidebook] 2009 / p. 75-76 : ill

## Subfossil Cladocera as indicators of pH, trophic state and conductivity: Separate and combined effects in hemi boreal freshwater lakes

**Lanka, Anna; Poska, Anneli; Bakumenko, Varvara;** Dimante-Deimantovica, Inta; **Liiv, Merlin; Stivrins, Normunds;** Zagars, Matiss; **Veski, Siim** Ecological indicators 2024 / art. 112592, 17 p. : ill <https://doi.org/10.1016/j.ecolind.2024.112592> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Sääsed andsid ülevaate Eesti viimase 14 000 aasta juuliilmast

novaator.err.ee 2024 [Sääsed andsid ülevaate Eesti viimase 14 000 aasta juuliilmast](#)

## Sääsed kõnelevad Eesti minevikukliimast

**Veski, Siim** Imeline Teadus 2024 / lk. 22 : fot [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

## Teaduspreemia geo- ja bioteaduste alal tööde tsükli "Mineviku õppetunnid : jääajajärgne keskkond muutuva kliima ja kasvava inimõhu tingimustes" eest : Siim Veski ja Anneli Poska

**Veski, Siim; Poska, Anneli** Eesti Vabariigi preemiad 2022 : teadus. F. J. Wiedemanni keeleauhind. Kultuur. Sport 2022 / lk. 166-178 : ill., fot., kaart [https://www.ester.ee/record=b1226072\\*est](https://www.ester.ee/record=b1226072*est)

## Testing the effect of relative pollen productivity on the REVEALS model: a validated reconstruction of Europe-wide holocene vegetation

Serge, M.A.; Mazier, F.; Fyfe, Ralph; Gaillard, M.-J.; Klein, T.; Lagnoux, A.; **Poska, Anneli; Lisitsyna, Olga; Stivrins, Normunds; Veski, Siim** Land 2023 / art. 986, 31 p. : ill <https://doi.org/10.3390/land12050986> [Article at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## The final meltdown of dead-ice at the Holocene Thermal Maximum (8500–7400 cal. yr BP) in western Latvia, eastern Baltic

**Stivrins, Normunds; Liiv, Merlin; Heinsalu, Atko;** Galka, Mariusz; **Veski, Siim** The Holocene 2017 / p. 1146-1157 : ill

<https://doi.org/10.1177/0959683616683255> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## The n-alkane composition of the Late-glacial lake sediments from eastern Baltic correlates with paleoclimatic episodes

**Amon, Leeli; Veski, Siim; Liiv, Merlin; Alliksaar, Tiiu; Vassiljev, Jüri;** Sachse, Dirk Geophysical Research Abstracts 2018 / p. EGU2018-16115-1 <https://meetingorganizer.copernicus.org/EGU2018/EGU2018-16115-1.pdf>  
<http://adsabs.harvard.edu/abs/2018EGUGA..2016115A>

## A 14 500 - year multi-proxy reconstruction of climate and environment change in eastern Baltics : case study from Southern Estonia : [manuscript]

**Bakumenko, Varvara; Lanka, Anna; Poska, Anneli; Vassiljev, Jüri; Alliksaar, Tiiu; Heiri, Oliver; Belle, Simon; Veski, Siim** Postglacial Climate Change in Eastern Europe : Focus on Chironomid-based Reconstruction of Summer Temperatures and Continentality = Pärastjääaja kliimamuutus Ida-Euroopas : fookus Hironomiidide-põhisele suvetemperatuuride ja kontinentaalsuse rekonstruktsioonile 2025 / p. 130-176 : ill., map <https://digikogu.taltech.ee/et/Item/6fdd0fb0-4152-4502-944e-c0ab7af0b10d>  
<https://digikogu.taltech.ee/et/Item/354a970b-7d88-4605-9772-6c372ffef8a8>

## Timing of Lateglacial vegetation dynamics and respective palaeoenvironmental conditions in southern Estonia : evidence from the sediment record of Lake Nakri

**Amon, Leeli; Veski, Siim; Heinsalu, Atko; Saarse, Leili** Journal of quaternary science 2012 / p. 169-180 : ill  
<https://onlinelibrary.wiley.com/doi/full/10.1002/jqs.1530>

## Timing of the deglaciation and the late-glacial vegetation development on the Pandivere Upland, North Estonia

**Amon, Leeli; Saarse, Leili; Vassiljev, Jüri; Heinsalu, Atko; Veski, Siim** Bulletin of the Geological Society of Finland 2016 / p. 69-83 : ill <https://doi.org/10.17741/bgsf/88.2.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Towards understanding the abundance of non-pollen palynomorphs: a comparison of fossil algae, algal pigments and sedaDNA from temperate lake sediments

**Stivrins, Normunds;** Soininen, Janne; Tönno, Ilmar; Freiberg, Rene; **Veski, Siim;** Kisand, Veljo Review of palaeobotany and palynology 2018 / p. 9-15 : ill <https://doi.org/10.1016/j.revpalbo.2017.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Tracking changes in the organic matter in a lake palaeoecosystem : a spectrophotometric approach

**Leeben, Aina; Alliksaar, Tiiu; Heinsalu, Atko; Lepane, Viia; Veski, Siim** Organic geochemistry 2008 / 8, p. 915-918 : ill  
<https://doi.org/10.1016/j.orggeochem.2008.05.004>

## Tree taxa immigration to the eastern Baltic region, southeastern sector of Scandinavian glaciation during the Late-glacial period (14,500-11,700 cal. b.p.)

**Amon, Leeli; Veski, Siim; Vassiljev, Jüri** Vegetation history and archaeobotany 2014 / p. 207-216 : ill <https://doi.org/10.1007/s00334->

**Urbanization-driven Cladocera community shifts in the lake - a case study from Baltic region, Europe**

**Lanka, Anna**; Dimante-Deimantovica, Inta; Saarni, Saija; **Stivrinš, Normunds**; Tylmann, Wojciech; Zawiska, Izabela; **Veski, Siim**  
Anthropocene 2024 / art. 100439, 13 p. : ill <https://doi.org/10.1016/j.ancene.2024.100439> [Journal metrics at Scopus Article at Scopus](#)  
[Journal metrics at WOS Article at WOS](#)

**Validation of climate model-inferred regional temperature change for late-glacial Europe**

Heiri, Oliver; Brooks, Stephen J.; **Amon, Leeli**; **Veski, Siim** Nature communications 2014 / p. 1-7 : ill  
<https://doi.org/10.1038/ncomms5914> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

**Water-level changes and palaeogeography of the Baltic Sea and displacement of Stone Age human occupations in Pärnu area, southwest Estonia**

Rosentau, Alar; **Veski, Siim**; Kriiska, Aivar; Hang, Tiit; **Vassiljev, Jüri**; **Saarse, Leili**; Aunap, Raivo; **Heinsalu, Atko**; **Oja, Tõnis**  
BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 195

**Widespread, episodic decline of alder (Alnus) during the medieval period in the boreal forest of Europe**

**Stivrinš, Normunds**; Buchan, Michelle S.; Disbrey, Helena R.; **Veski, Siim** Journal of quaternary science 2017 / p. 903-907 : ill  
<https://doi.org/10.1002/jqs.2984> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

**Õietolm faaskontrastis**

**Veski, Siim** Geoloogia instituudi kuuskümmend viis aastat : loomine ja muutumised, inimesed ja teadus, meenutused ja suundumused 2012 / lk. 284-287 : fot

**Õietolm võimaldab mõista tuhandeid aastaid tagasi toimunud kliimamuutusi : [TTÜ teadlaste uuringu põhjal, ka Siim Veski kommentaarid]**

Himma, Marju Põhjarannik 2016 / lk. 7 : fot <https://dea.digar.ee/article/pohjarannik/2016/10/11/12.3>

**Комары-звонцы дают представление о погоде в Эстонии за последние 14 000 лет**

rus.err.ee 2024 [Комары-звонцы дают представление о погоде в Эстонии за последние 14 000 лет](#)