

Bayesian reconstruction of past land cover from pollen data : model robustness and sensitivity to auxiliary variables

Pirzamanbein, Behnaz; **Poska, Anneli**; Lindström, Johan Earth and Space Science 2020 / Art. e2018EA00057

<https://doi.org/10.1029/2018EA000547> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The challenge of comparing pollen-based quantitative vegetation reconstructions with outputs from vegetation models - a European perspective

Dallmeyer, Anne; **Poska, Anneli**; Marquer, Laurent; Seim, Andrea; Gaillard, Marie-José Climate of the Past 2023 / p. 1531 - 1557

<https://doi.org/10.5194/cp-19-1531-2023> [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>

Contrasting responses to long-term climate change of carbon flows to benthic consumers in two different sized lakes in the Baltic area

Freiberg, Rene; Belle, Simon; **Poska, Anneli**; Agasild, Helen; **Alliksaar, Tiit**; Tönno, Ilmar Quaternary science reviews 2018 / p. 168-176 : ill <https://doi.org/10.1016/j.quascirev.2018.03.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Creating spatially continuous maps of past land cover from point estimates: A new statistical approach applied to pollen data

Pirzamanbein, Behnaz; Lindström, Johan; **Poska, Anneli**; Sugita, Shinya; Trondman, Anna-Kari; Fyfe, Ralph; Mazier, Florence; Nielsen, Anne B.; Kaplan, Jed O.; Bjune, Anne E. Ecological complexity 2014 / p. 127-141 : ill <https://doi.org/10.1016/j.ecocom.2014.09.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Did the Bronze Age deforestation of Europe affect its climate? A regional climate model study using pollen-based land cover reconstructions

Strandberg, Gustav; Chen, Jie; Fyfe, Ralph; Kjellström, Erik; Lindström, Johan; **Poska, Anneli**; Zhang, Qiong; Gaillard, Marie-José Climate of the Past 2023 / p. 1507 - 1530 <https://doi.org/10.5194/cp-19-1507-2023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Drivers of dissolved organic carbon export in a subarctic catchment : importance of microbial decomposition, sorption-desorption, peatland and lateral flow

Tang, Jing; Yurova, Alla Y.; Schurger, Guy; Miller, Paul A.; Olin, Stefan; Smith, Benjamin; Siewert, Matthias B.; Olefeldt, David; Pilesjö, Petter; **Poska, Anneli** Science of the total environment 2018 / p. 260-274 : ill <https://doi.org/10.1016/j.scitotenv.2017.11.252> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ei midagi uut päikese all

Väli, Vivika; **Reitalu, Triin**; **Poska, Anneli** Taastumise teooria 2023 / lk. 89-100 : ill https://www.ester.ee/record=b5573343*est <https://kevadkool.elus.ee/2023/ei-midagi-ut-paikese-all>

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 changes of the stadial/interstadial type during the Late Saalian (MIS-6) – Multi-proxy record at the Wola Starogrodzka site, central Poland

Kupryjanowicz, Mirosława; Filoc, Magdalena; Drzymulska, Danuta; **Poska, Anneli**; Suchora, Magdalena; Zarski, Marcin; Mroczek, Przemysław Paweł Palaeogeography, palaeoclimatology, palaeoecology 2021 / art. 110420, 14 p. : ill <https://www.sciencedirect.com/science/article/pii/S0031018221002054> <https://doi.org/10.1016/j.palaeo.2021.110420> [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-José; 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](#)

Farmers hunt: multi-proxy analysis reveals complex subsistence systems at the dawn of early farming in the NE Baltic

Oras, Ester; Tõrv, Mari; Johanson, Kristiina; Rannamäe, Eve; **Poska, Anneli**; Varul, Liivi; Lucquin, Alexandre; Lundy, Jasmine; Visocka, Vanda; Legzdina, Dardega; Zariņa, Gunita; Lõugas, Lembi; Brown, Samantha ABSTRACT BOOK 10th Meeting of the

Fire hazard modulation by long-term dynamics in land cover and dominant forest type in eastern and central Europe
Feurdean, Angelica; Vanniere, 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](#)

14,000 years of climate-induced changes in carbon resources sustaining benthic consumers in a small boreal lake (Lake Tollari, Estonia)

Belle, Simon; **Poska, Anneli**; Hossann, Christian; Tönno, Ilmar Climatic change 2017 / p. 205-219 : ill <https://doi.org/10.1007/s10584-017-2074-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**; **Stivrinš, 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 hydroclimate variability of the Baltic region inferred from stable isotopes, d-excess and multi-proxy data at lake Nuudsaku, Estonia (NE Europe)

Eensalu, Mariliis; Nelson, Daniel B.; Buczynska, Anna; Rach, Oliver; Luoto, Tomi P.; **Poska, Anneli**; Klein, Eric S.; Stansell, Nathan D. Quaternary Science Reviews 2024 / 18 p. : ill <https://doi.org/10.1016/j.quascirev.2024.108736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Holocene quantitative pollen-based vegetation reconstructions in Europe for climate modelling: LandClim II [Online resource]

Githumbi, Esther; Fyfe, R.; Kjellström, Erik; **Poska, Anneli**; Sugita, Shinya 20th Congress of the International Union for Quaternary Research (INQUA): INQUA Congress 2019: Dublin, From 25 Jul 2019 - 31 Jul 2019 2019 <https://app.oxfordabstracts.com/events/574/program-app/submission/84376>

Human impacts and their interactions in the Baltic Sea region

Reckermann, Marcus; Omstedt, Anders; **Soomere, Tarmo**; Aigars, Juris; **Parnell, Kevin Ellis**; Pons-Seres de Brauer, Cristian; **Poska, Anneli** Earth System Dynamics 2022 / p. 1-80 <https://doi.org/10.5194/esd-13-1-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 Baltic Sea Earth System : Jastarnia, Hel Peninsula, Poland, 30 May to 3 June 2022 : Conference Proceedings 2022 / p. 140-141 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/4bec_proceedings_web.pdf

Hydrogen isotope biogeochemistry of plant waxes in paired lake catchments

Eensalu, Mariliis; Nelson, Daniel B.; Buczynska, Anna; Rach, Oliver; Klein, Eric S.; Dodd, Justin P.; **Poska, Anneli**; Stansell, Nathan D. Organic geochemistry 2023 / art. 104674, 17 p. : ill <https://doi.org/10.1016/j.orggeochem.2023.104674> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Imprints of management history on hemiboreal forest ecosystems in the Baltic States

Jõgiste, Kalev; Frelich, Lee E.; **Poska, Anneli** Ecosphere 2018 / art. e02503, 15 p. : ill <https://doi.org/10.1002/ecs2.2503> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Karula kõrgustiku taimkatte ning inimasustuse pärasüüaegne areng

Poska, Anneli; Väli, Vivika; Kama, Pikne; Tomson, Pille; **Vassiljev, Jüri**; Kihno, Kersti Eesti Geograafia Seltsi aastaraamat = Yearbook of the Estonian Geographical Society. 42. kd 2017 / lk. 25-42 : ill <https://dea.digar.ee/article/JVestgeograafiaselts/2017/04/07> http://egs.ee/wp-content/uploads/2017/10/EGS_aastaraamat_42_2017.pdf http://www.eester.ee/record=b1237665*est

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>

Land cover and land use changes as a driver for the changes in Earth's system in the Baltic Sea region [Online resource]

Poska, Anneli 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. 16 : ill https://www.baltic-earth.eu/multipledrivers2018/material/No.14_Tallinn2018.pdf

Late-Holocene expansion of a south Swedish peatland and its impact on marginal ecosystems: Evidence from dendrochronology, peat stratigraphy and palaeobotanical data

Edvardsson, Johannes; **Poska, Anneli**; Van der Putten, Nathalie; Rundgren, Mats; Linderson, Hans; Hammarlund, Dan Holocene 2014 / p. 466-476 : ill <https://doi.org/10.1177/0959683613520255> [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, Tiit; 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](#)

Longterm effects of climate change on carbon flows through benthic secondary production in small lakes

Belle, Simon; Musazzi, Simona; Tönno, Ilmar; **Poska, Anneli**; Leys, Bérangère; Lami, Andrea Freshwater biology 2018 / p. 530-538 : ill <https://doi.org/10.1111/fwb.13090> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mid-Holocene European climate revisited : new high-resolution regional climate model simulations using pollen-based land-cover

Strandberg, Gustav; Lindström, Johan; **Poska, Anneli**; Zhang, Qiong; Fyfe, Ralph; Githumbi, Esther; Kjellström, Erik; Mazier, Florenze; Nielsen, Anne Birgitte; Sugita, Shinya; Trondman, Anna-Kari; Woodbridge, Jessie; Gaillard, Marie-Jose Quaternary science reviews 2022 / art. 107431, 21 p. : ill., map <https://doi.org/10.1016/j.quascirev.2022.107431> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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://digikogu.taltech.ee/et/Item/354a970b-7d88-4605-9772-6c372ffef8a8> <https://doi.org/10.23658/taltech.51/2025>

Modeling past human-induced vegetation change is a challenge – the case of Europe

Marquer, Laurent; Dallmeyer, A.; **Poska, Anneli**; Pongratz, J. Past global changes magazine 2018 / p. 12-13 : ill <https://doi.org/10.22498/pages.26.1.12>

Modelling spatial compositional data : reconstructions of past land cover and uncertainties

Pirzamanbin, Behnaz; Lindström, Johan; **Poska, Anneli**; Gaillard, Marie-Jose Spatial statistics 2018 / p. 14-31 : ill <https://doi.org/10.1016/j.spasta.2018.03.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multiscale pollen-based reconstructions of anthropogenic land-cover change in Karula Upland, south Estonia

Väli, Vivika; **Vassiljev, Jüri**; **Alliksaar, Tiit**; **Blaus, Ansis**; Kama, Pikne; Kihno, Kersti; **Pöldmaa, Maret**; **Saarse, Leili**; Tomson, Pille; **Poska, Anneli** Journal of archaeological science 2024 / art. 105940, 12 p. : ill <https://doi.org/10.1016/j.jas.2024.105940> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Palaeoclimate inferred from δ18O and palaeobotanical indicators in freshwater tufa of Lake Äntu Sinijärv, Estonia

Laumets, Liina; Kalm, Volli; **Poska, Anneli**; Kele, Sándor; Lasberg, Katrin; **Amon, Leeli** Journal of paleolimnology 2014 / p. 99-111 : ill <https://doi.org/10.1007/s10933-013-9758-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Izdebski, Adam; Guzowski, Piotr; Poniat, Radosław; 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 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

Parallel worlds and mixed economies: Multi-proxy analysis reveals complex subsistence systems at the dawn of early farming in the northeast Baltic

Oras, Ester; Tõrv, Mari; Johanson, Kristiina; Rannamäe, Eve; **Poska, Anneli**; Lõugas, Lembi; Lucquin, Alexandre; Lundy, Jasmine; Brown, Samantha; Chen, Shidong Royal Society open science 2023 / art. 230880, 15 p. : ill <https://doi.org/10.1098/rsos.230880> [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, Shyrete; **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 climate reconstruction of the Eemian optimum: Żabieniec-Jagodne transect of four sites (Central Poland)

Pidek, Irena Agnieszka; **Poska, Anneli**; Hrynowiecka, Anna; Brzozowicz, Dorota; Żarski, Marcin INQUA SEQS 2020 : Quaternary Stratigraphy – palaeoenvironment, sediments, palaeofauna and human migrations across Central, Wrocław, Poland, 28th September 2020 : Conference Proceedings 2020 / p. 103-104 "[Poska](#)"

Pollen based quantitative climate reconstructions from the Middle Pleistocene sequences in Łuków and Zdany (E Poland) : species and modern analogues based approach

Pidek, Irena Agnieszka; **Poska, Anneli** Review of Palaeobotany and Palynology 2013 / p. 65 - 78 <https://doi.org/10.1016/j.revpalbo.2013.01.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pollen richness : a reflection of vegetation diversity or pollen-specific parameters?

Väli, Vivika; Odgaard, Bent Vad; Väli, Ülo; **Poska, Anneli** Vegetation history and archaeobotany 2022 / p. 611-622 <https://doi.org/10.1007/s00334-022-00879-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pollen-based maps of past regional vegetation cover in Europe over 12 millennia—evaluation and potential

Githumbi, Esther; Pirzamanbein, Behnaz; Lindström, Johan; **Poska, Anneli**; Fyfe, Ralph; Mazier, Florence; Nielsen, Anne Brigitte; Sugita, Shinya; Trondman, Anna-Kari; Woodbridge, Jessie; Gaillard, Marie-José Frontiers in Ecology and Evolution 2022 / art. 795794 <https://doi.org/10.3389/fevo.2022.795794> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pollen-based REVEALS estimates of plant cover in Europe for 36 grid-cells and the last 11700 years [Online resource]

Marquer, Laurent; Gaillard, Marie-José; Sugita, Shinya; **Poska, Anneli**; Kangur, Mihkel; Koff, Tiiu PANGAEA 2019 <https://doi.org/10.1594/PANGAEA.900966>

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

Bakumenko, Varvara 2025 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>

Quantifying the effects of land use and climate on Holocene vegetation in Europe

Marquer, Laurent; Gaillard, Marie-José; Sugita, Shinya; **Poska, Anneli** Quaternary science reviews 2017 / p. 20-37 : ill <https://doi.org/10.1016/j.quascirev.2017.07.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Reading past landscapes: combining modern and historical records, maps, pollen-based vegetation reconstructions, and the socioeconomic background

Poska, Anneli; Väli, Vivika; Tomson, Pille; **Vassiljev, Jüri**; Kihno, Kersti; **Alliksaar, Tiiu**; Villoslada, Miguel; **Saarse, Leili**; Sepp, Kalev Landscape ecology 2018 / p. 529–546 : ill <https://doi.org/10.1007/s10980-018-0615-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reconstructing vegetation dynamics in protected woodland at Järvselja, EastEstonia

Väli, Vivika; **Poska, Anneli**; Vassiljev, Jüri 11th European Palaeobotany and Palynology Conference : abstracts, program and proceedings 2022 / p. 242 <https://jirangopub.s3.eu-north-1.amazonaws.com/Files/2123/EPPC%20Abstracts%20Volume%20Final.pdf>

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

The role of landscape structure in determining palynological and floristic richness

Meltsov, Vivika; **Poska, Anneli**; Reitalu, Triin; Sammul, Marek; Kull, Tiit Vegetation History and Archaeobotany 2013 / p. 39 - 49 <https://doi.org/10.1007/s00334-012-0358-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Poska, Anneli; Pirzamanbin, Behnaz; Nielsen, Anne B. 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. 208 http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf

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**; **Stivrinš, 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](#)

Taxon-specific pollen deposition dynamics in a temperate forest zone, SE Poland : the impact of physiological rhythmicity and weather controls

Pidek, Irena Agnieszka; **Poska, Anneli**; Kaszewski, Bogusław Michał Aerobiologia 2015 / p. 219 - 238 <https://doi.org/10.1007/s10453-014-9359-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Veski, Siim; **Poska, Anneli** Eesti Vabariigi preemiad 2022 : teadus. F. J. Wiedemanni keeleaühind. Kultuur. Sport 2022 / lk. 166-178 : ill., fot., kaart 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**; **Stivrinš, 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 environmental impact of cultural change: Palynological and quantitative land cover reconstructions for the last two millennia in northern Poland

Brown, Alex; **Poska, Anneli**; Pluskowski, Aleks Quaternary international 2019 / p. 38-54 : ill <https://doi.org/10.1016/j.quaint.2019.05.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The Reading Palaeofire Database : an expanded global resource to document changes in fire regimes from sedimentary charcoal records

Harrison, Sandy P.; Villegas-Diaz, Roberto; Cruz-Silva, Esmeralda; Gallagher, Daniel; Kesner, David; Lincoln, Paul; **Lisitsyna, Olga**; **Poska, Anneli**; **Stivrinš, Normunds**; **Vassiljev, Jüri** Earth system science data 2022 / p. 1109–1124 <https://doi.org/10.5194/essd-14-1109-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The Verijärv area, South Estonia over the last millennium: A high resolution quantitative land-cover reconstruction based on pollen and historical data

Poska, Anneli; **Saarse, Leili**; Koppel, Kalev; Nielsen, Anne B.; Avel, Eve; **Vassiljev, Jüri**; Väli, Vivika Review of palaeobotany and palynology 2014 / p. 5-17 : ill <https://doi.org/10.1016/j.revpalbo.2014.04.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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, Tiit**; **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 and drivers of local to regional scale land-cover changes in the hemiboreal forest zone during the Holocene : a pollen-based study from South Estonia

Poska, Anneli; Väli, Vivika; **Vassiljev, Jüri**; **Alliksaar, Tiiu**; **Saarse, Leili** Quaternary Science Reviews 2022 / art. 107351

<https://doi.org/10.1016/j.quascirev.2021.107351> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Trilemma of Nordic–Baltic forestry - how to implement UN sustainable development goals

Högbom, Lars; Abbas, Dalia; Armolaitis, Kęstutis; Baders, Endijs; Futter, Martyn; Jansons, Aris; Jõgiste, Kalev; Lazdins, Andis;

Lukminė, Diana; **Mustonen, Mirko**; Øistad, Knut; **Poska, Anneli** Sustainability 2021 / art. 5643, 12 p. : map

<https://doi.org/10.3390/su13105643> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Two pollen-based methods of Eemian climate reconstruction employed in the study of the Żabieniec-Jagodne palaeolakes in central Poland

Pidek, Irena Agnieszka; **Poska, Anneli**; Hrynowiecka, Anna; Brzozowicz, Dorota; Żarski, Marcin Quaternary International 2022 / p.

21-35 <https://doi.org/10.1016/j.quaint.2021.09.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Õietolmupõhiste taimkatte rekonstruktsioonide sõltuvus uuritava järve valikust

Palusalu, Maret; **Poska, Anneli**; Väli, Vivika; **Vassiljev, Jüri**; **Eensalu, Mariliis**; Stansell, Nathan Eesti Geograafia Seltsi

aastaraamat = Yearbook of the Estonian Geographical Society. 46. kd 2023 / lk. 48-61 : ill [http://egs.ee/wp-](http://egs.ee/wp-content/uploads/2024/04/EGS_aastaraamat_46-parandatud.pdf)

[content/uploads/2024/04/EGS_aastaraamat_46-parandatud.pdf](http://egs.ee/wp-content/uploads/2024/04/EGS_aastaraamat_46-parandatud.pdf) https://www.ester.ee/record=b1237665*est