SOO JA KLIIMA. AH SOO!?♪¡

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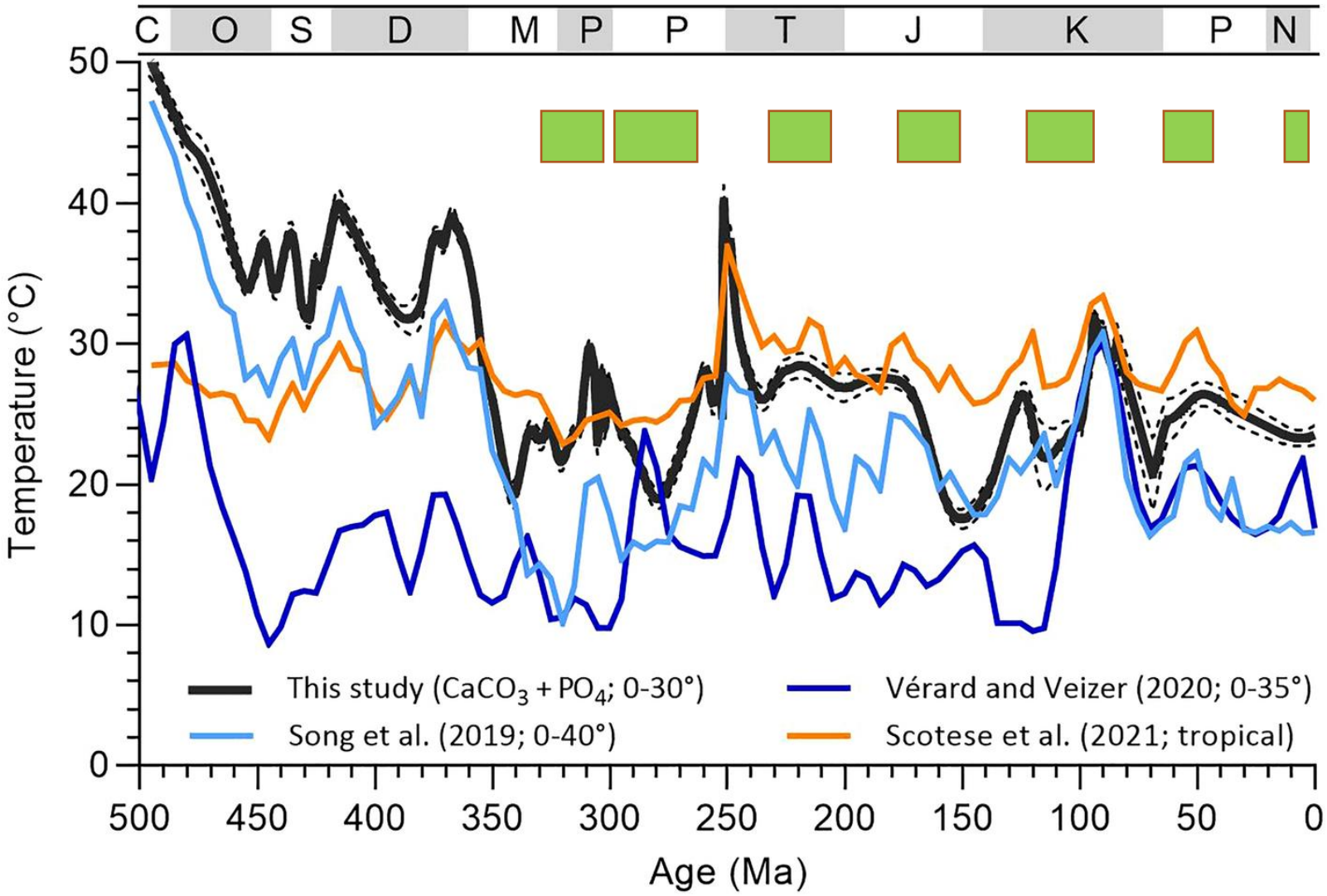
2.2.2026

MIS ON NEED TEEMAD MIS KERKIVAD TÄNA KUULDES SÕNAPAARI AH SOO? LOODAN, ET OHOO!

- Soo ja kliima ajas
- Kas Eesti sood on erilised?
- Kas Eesti sooteaduses saab üldse midagi uut ja põrutavat leida?
- Kus on Eesti vanim soo
- Kui soo on oma arengus stabiilne, siis kliimasignaal on hästi nähtav
- Inimese mõju sõidab aga sellest kõigest üle, kahjuks.
- Polariseeritus teaduse tulemuste ja tegeliku elu vahel

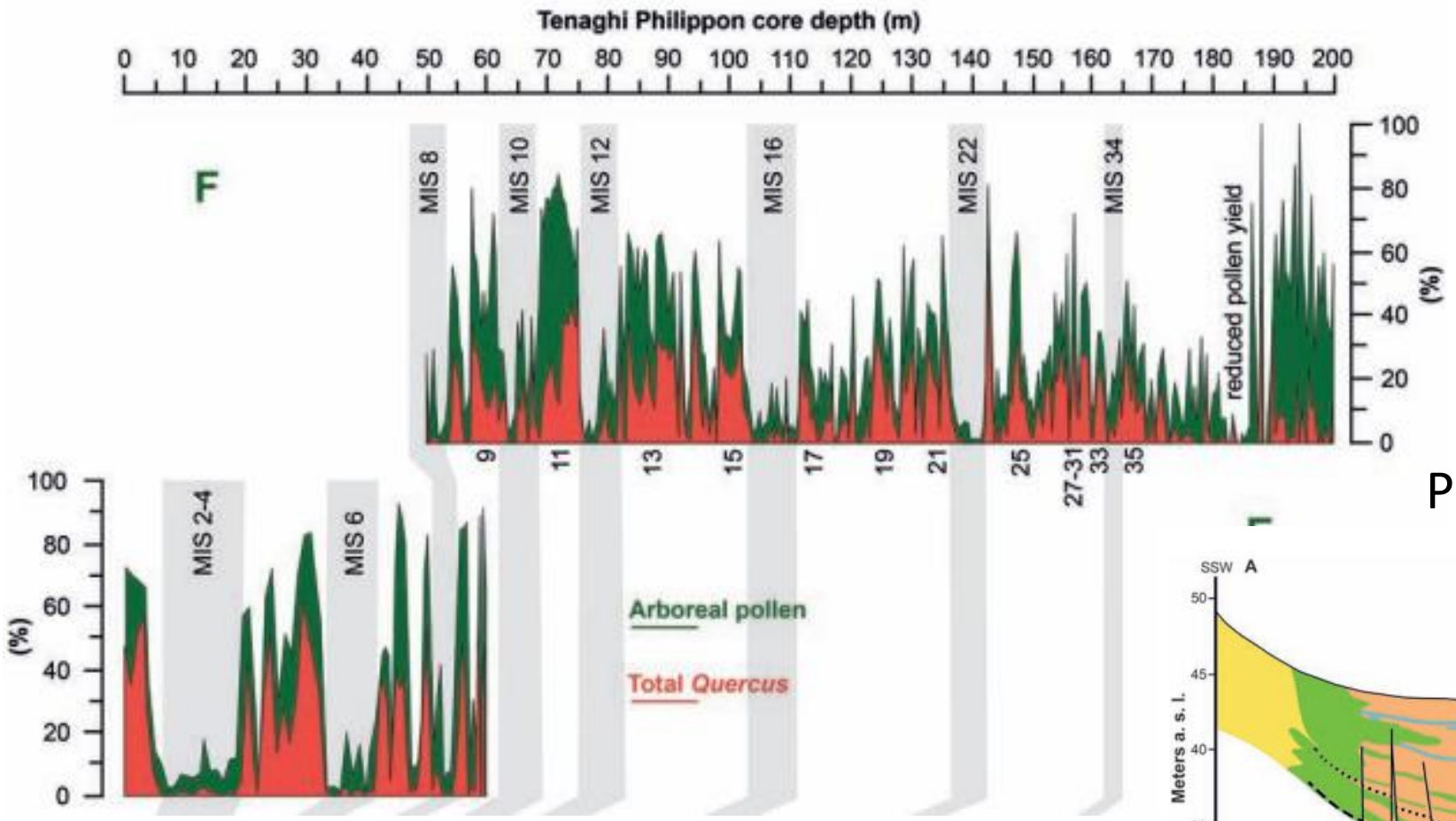
KLIIMAAJALUGU JA AH SOO



Kivisöelademed, ehk muistne soo

Grossman & Joachimski, 2022

VIIMASE MILJONI AASTA GLOBAALNE KLIIMA JA AH SOO



Philippi soo, Kreeka Makedoonia osas

Philippi soo, turba paksus 190 m

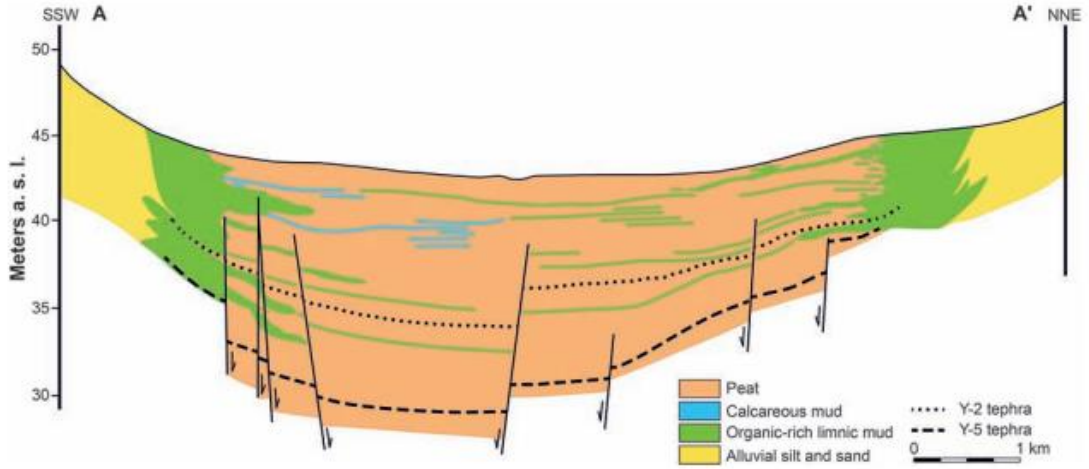


Fig. 3. Geological transect across the Philippi peatland, showing subsurface lithology to a depth of ~20 m. See Fig. 2 for location of transect. Modified after Christanis (1983).

Pross jt, 2015

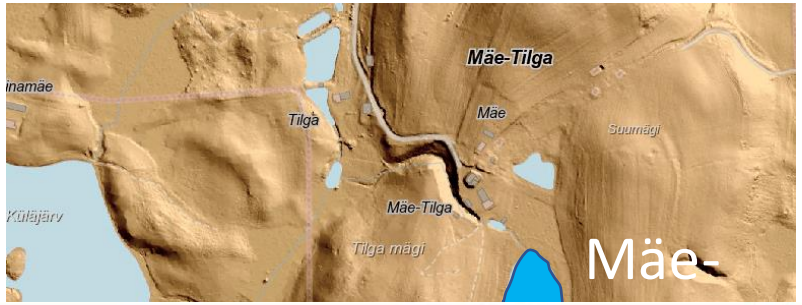
VIIMASE MILJONI AASTA GLOBAALNE KLIIMA JA AH SOO

Tänapäeva sood, nt Vällamäe

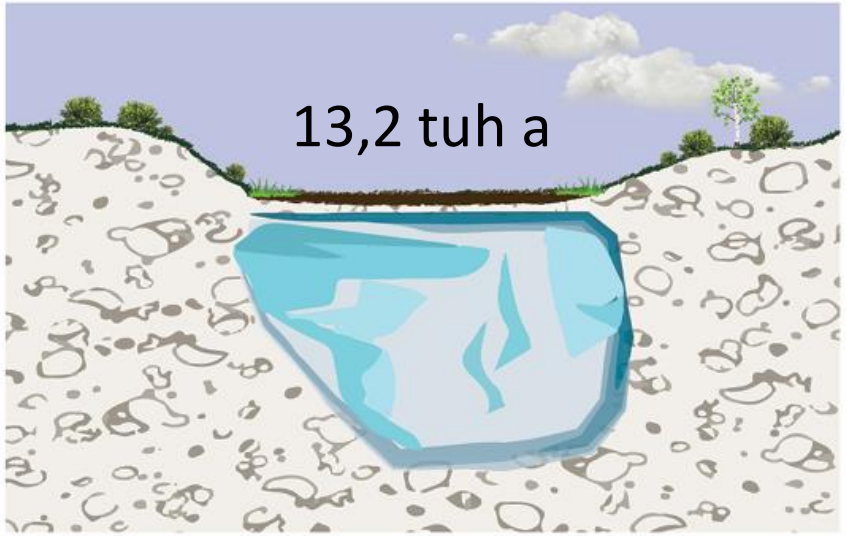
Karuküla mattunud turvas u 400 tuh a vana

Rõngu mattunud turvas, u 130-114 tuh a vana

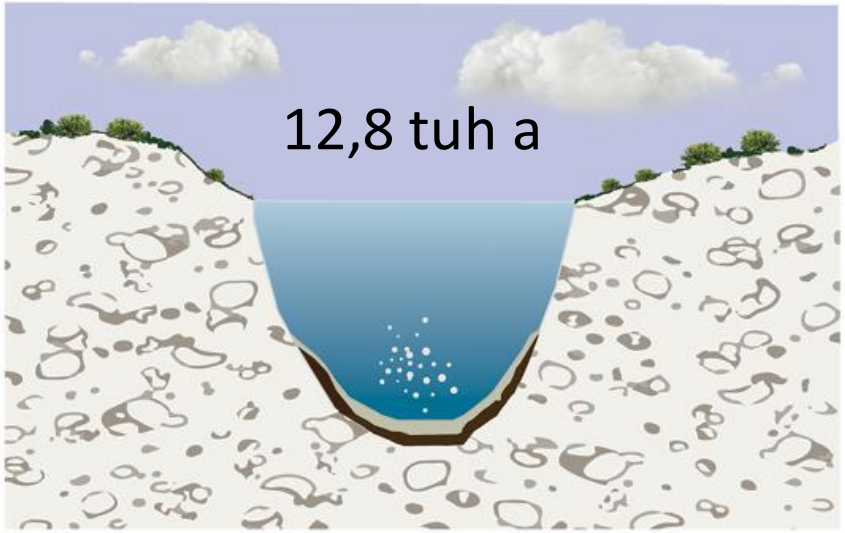
EESTI AH SOO KUUMATÄPP - HAANJA



Postglacial buried ice block
~ 14 000 cal. BP



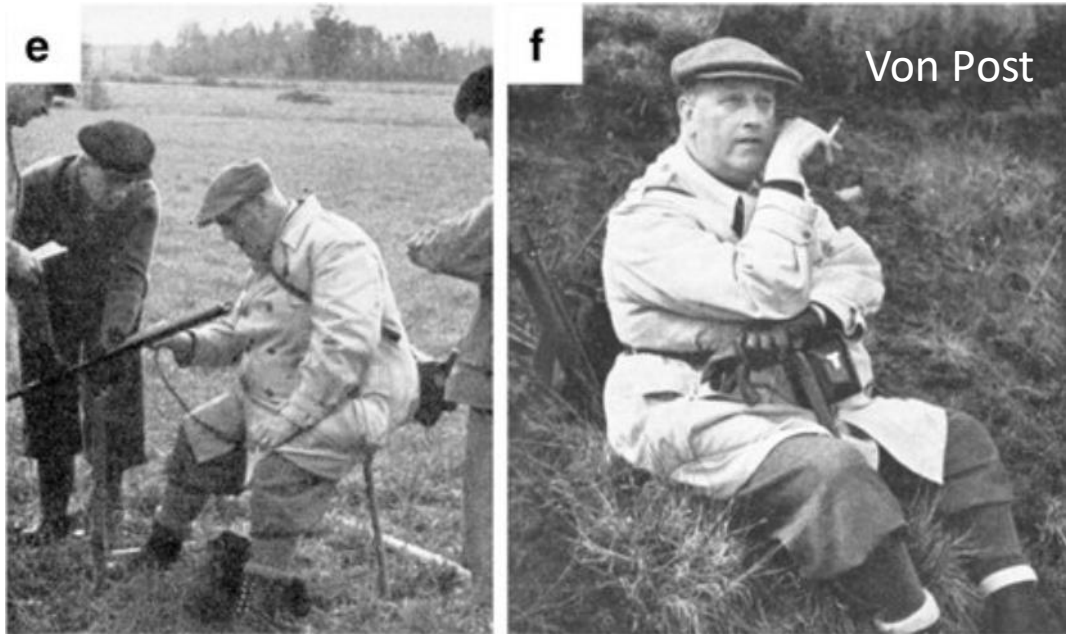
Melting of the buried ice block
and the formation of peat above it
~ 13 300 cal. BP



Lateglacial lake. Peat layer sinks in the bottom of
the lake and is buried under limnic sediment
~ 12 500 cal. BP

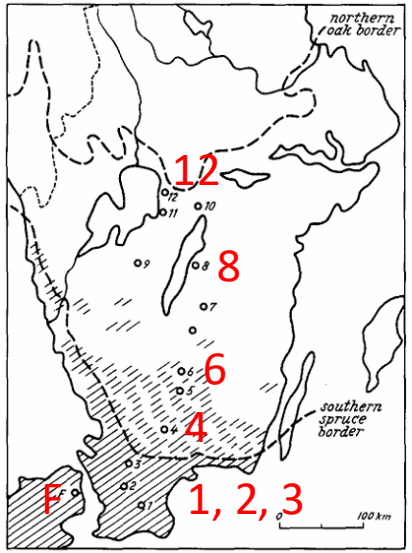
TALLINNA TEHNIKAÜLIKOOL

Sood ja kliima

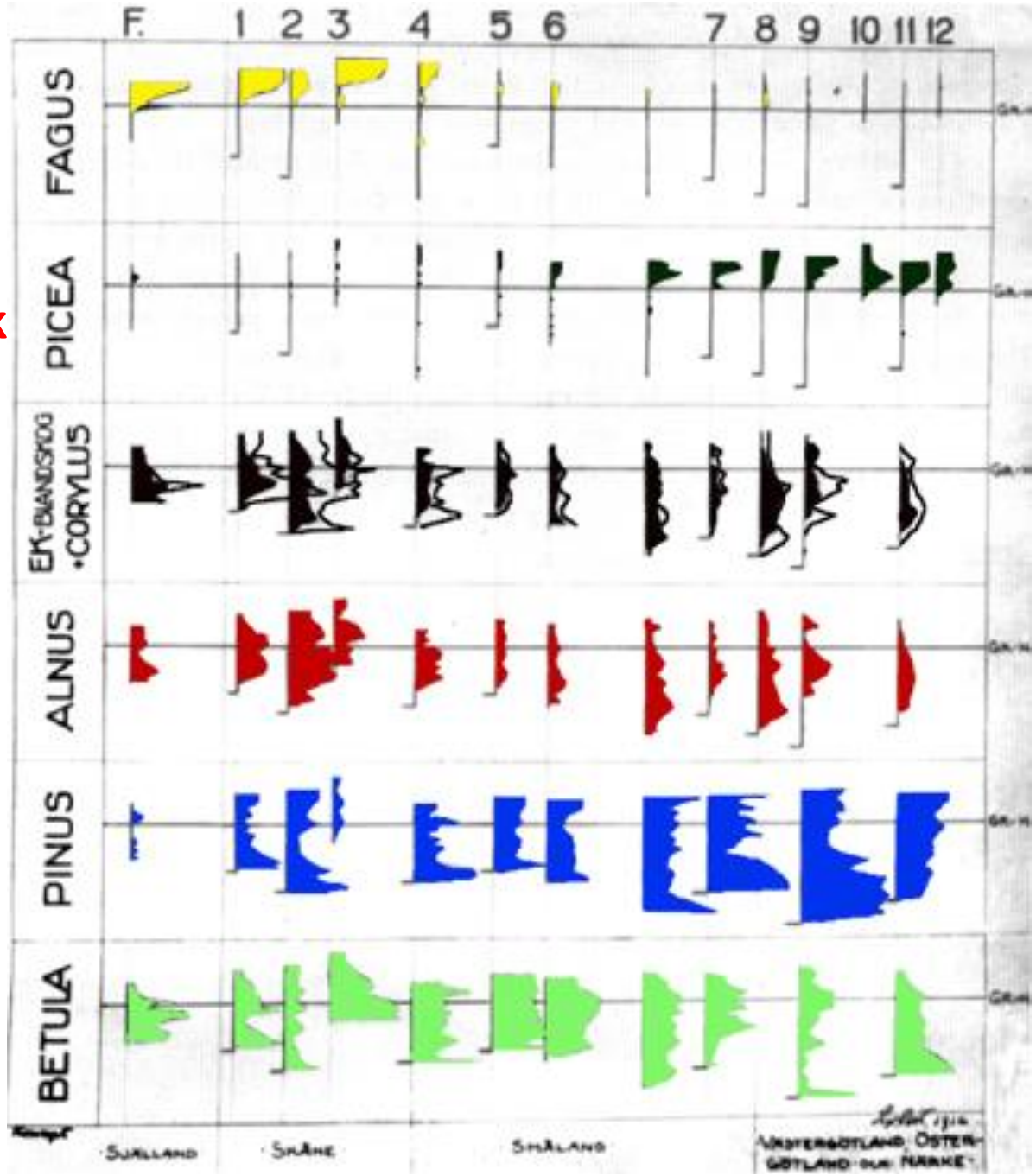


Pöök

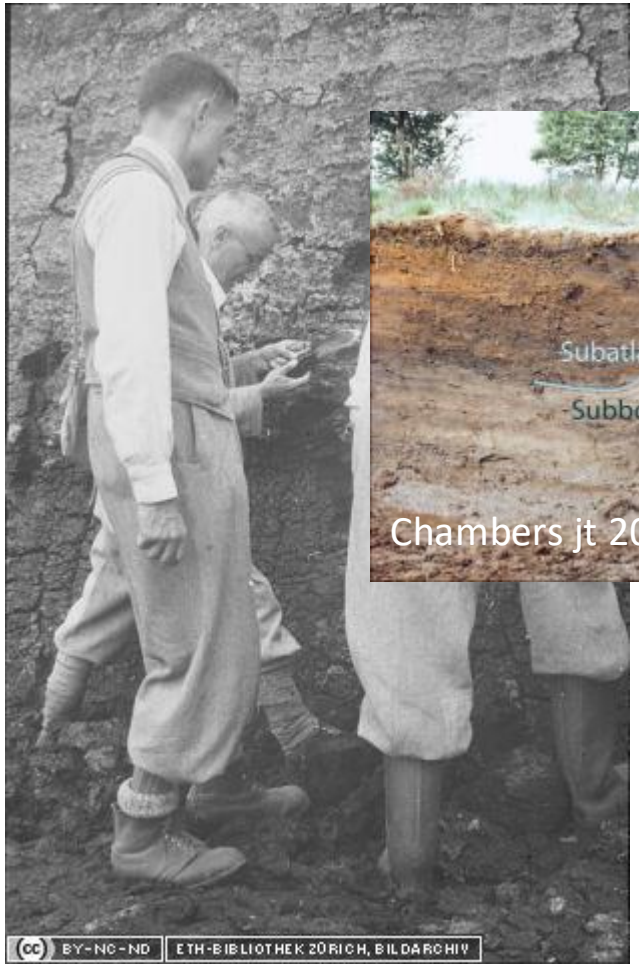
Kuusk



Birks & Berglund, 2018



EESTI AH SOO-KLIIMA UUT TERMINOLOOGIAT



Chambers jt 2012

BRITISH ECOLOGICAL SOCIETY | Journal of Ecology

RESEARCH ARTICLE | Free Access

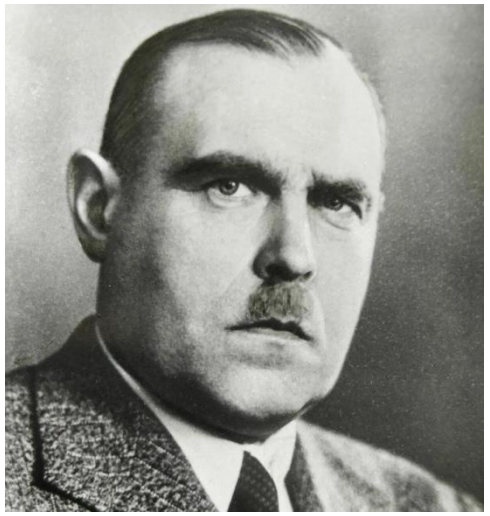
Mire plant diversity change over the last 10,000 years: Importance of isostatic land uplift, climate and local conditions

Ansis Blaus, Triin Reitalu, Anneli Poska, Jüri Vassiljev, Siim Veski

First published: 04 July 2021 | https://doi.org/10.1111/1365-2745.13742 | VIEW METRICS

„Grenzhorisont“

Thomsoni kiht



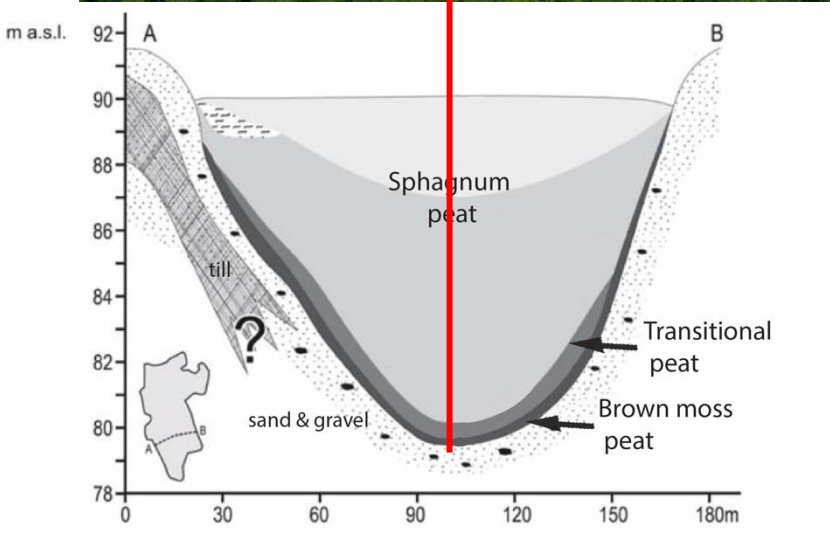
Maaleht

https://eestigeoloog.ee/kategooriad/geoloogia200/onu-paul

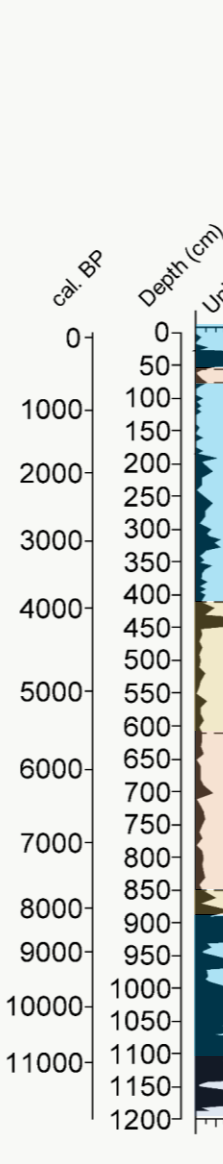
TALLINNA TEHNIKAÜLIKOOL

AH SOO KLIIMASIGNAAL

Kui Thomsoni kihti pole, sfagnumturvas katab viimased 10 000 aastat, seljuhul võiks kliimasignaal hästi nähtav olla



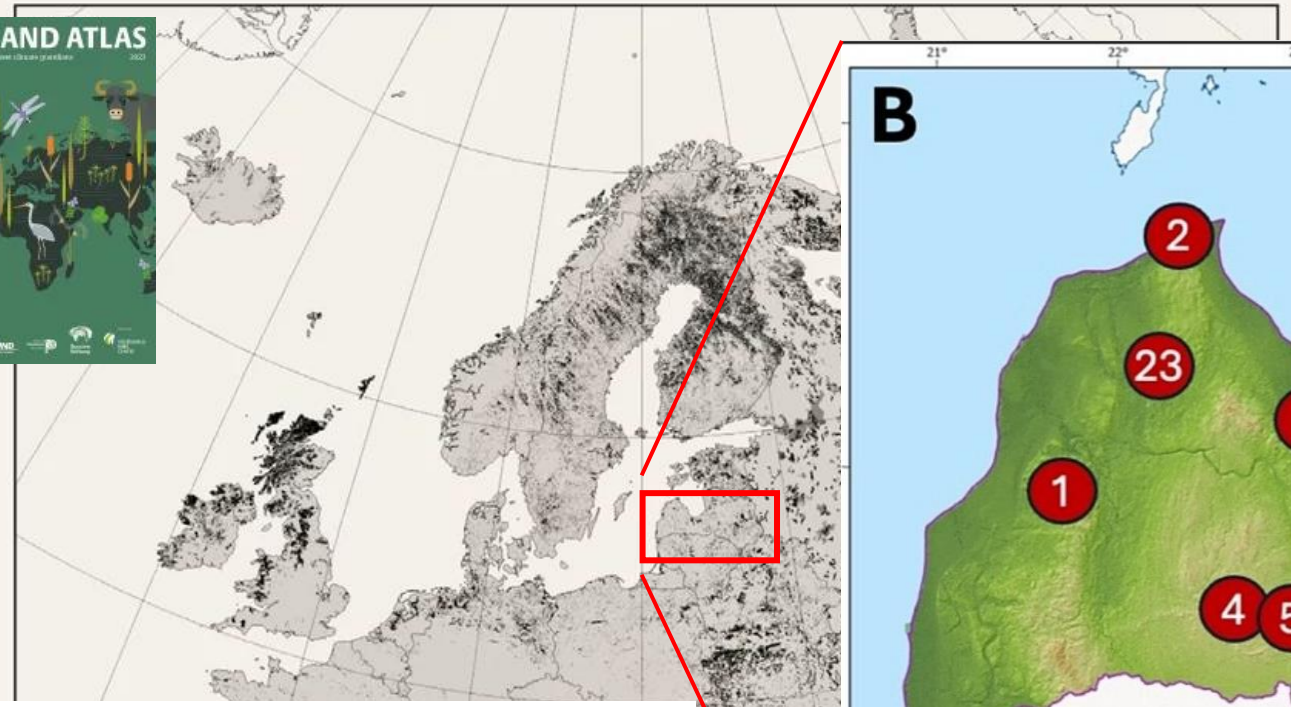
TALLINNA TEHNIKAÜLIKOOL



Eliise Poolma jt 2025 CoP

AH SOO KLIIMASIGNAAL

Distribution of peatlands in Europe



ELSEVIER

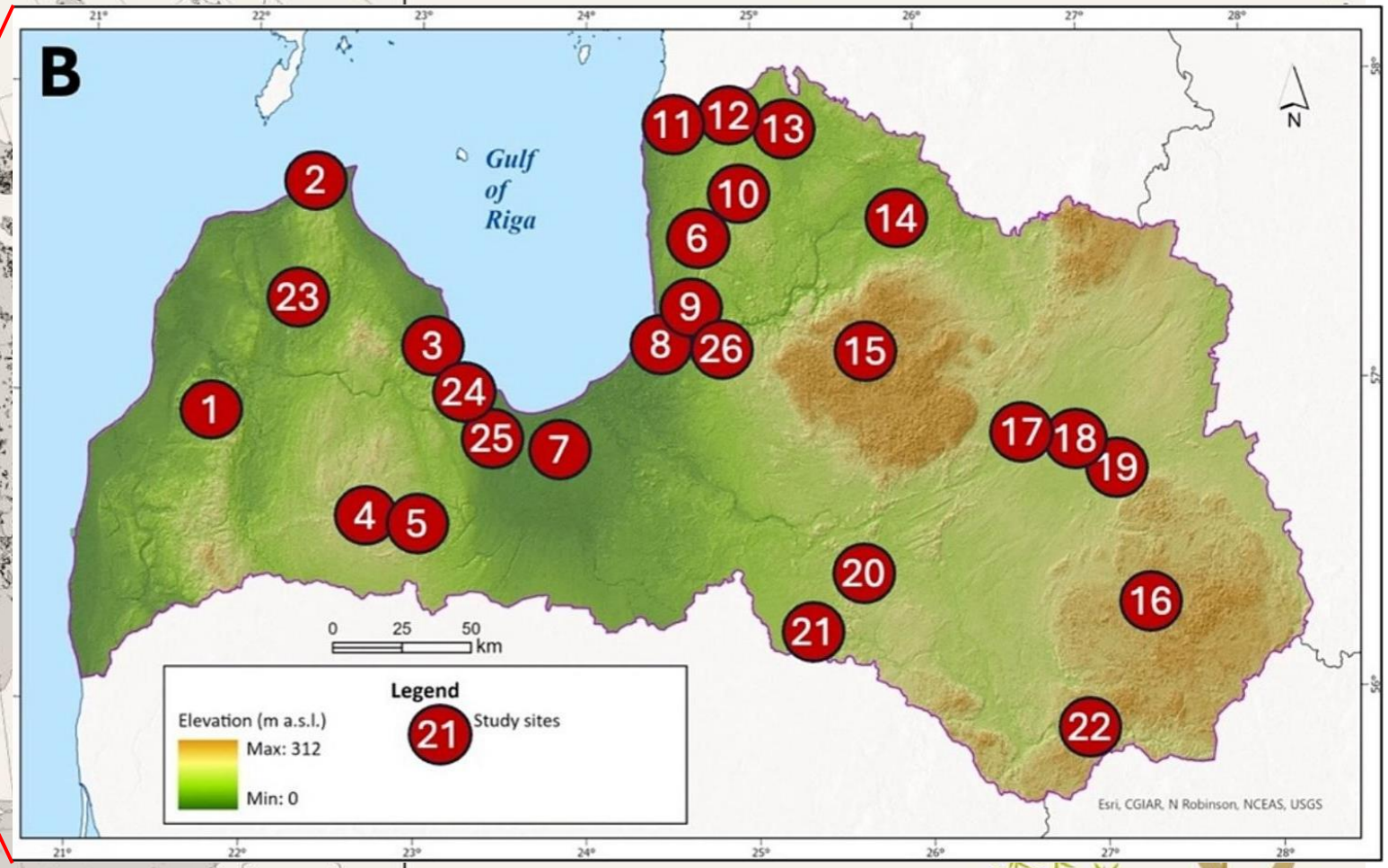
CATENA

Volume 254, 30 June 2025, 108965

Climate change impact on peatland dynamics during the Holocene in Latvia, Northeastern Europe

N. Stivrins [a b c d], L. Kalnina [d e], A. Cerina [a d], E. Reire [e], S. Kreslina [e], I. Ozola [d], J. Soms [f g], S. Veski [b]

Relative area coverage in EU28
per mire habitat type in percent



TANNEBERG

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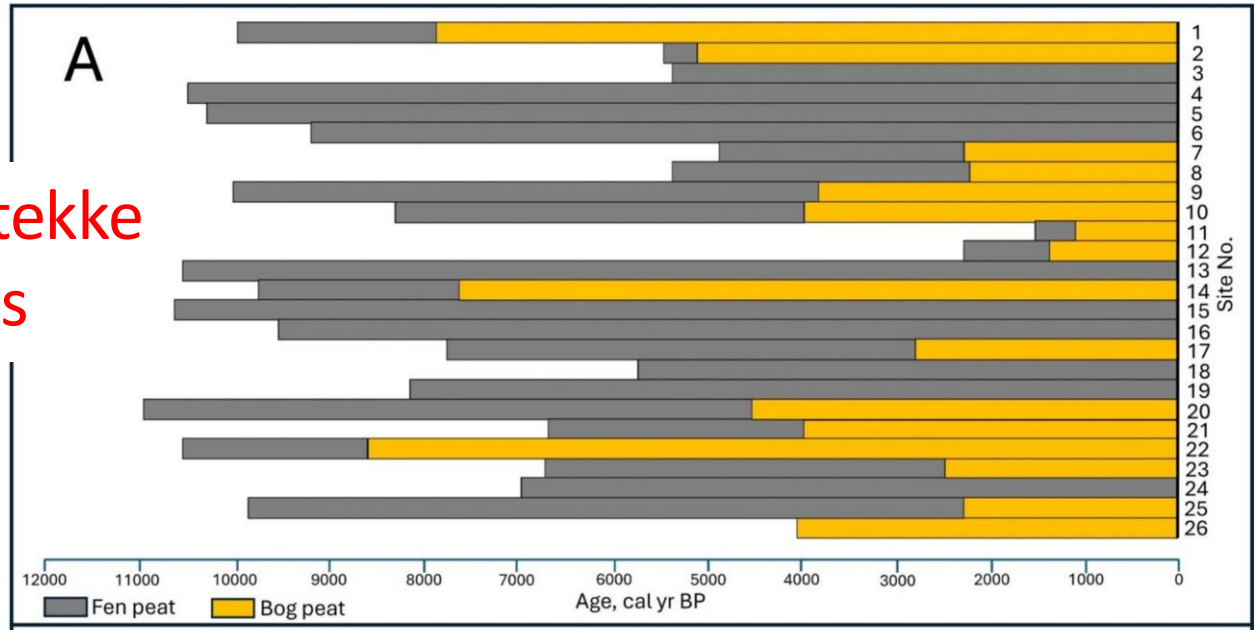
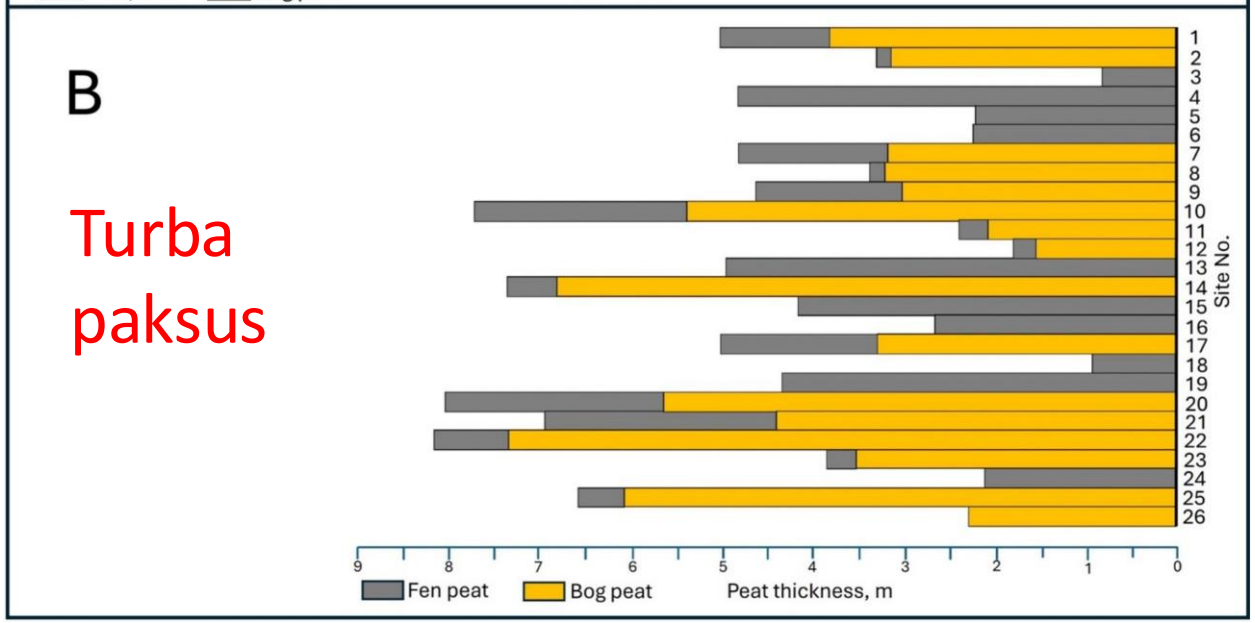
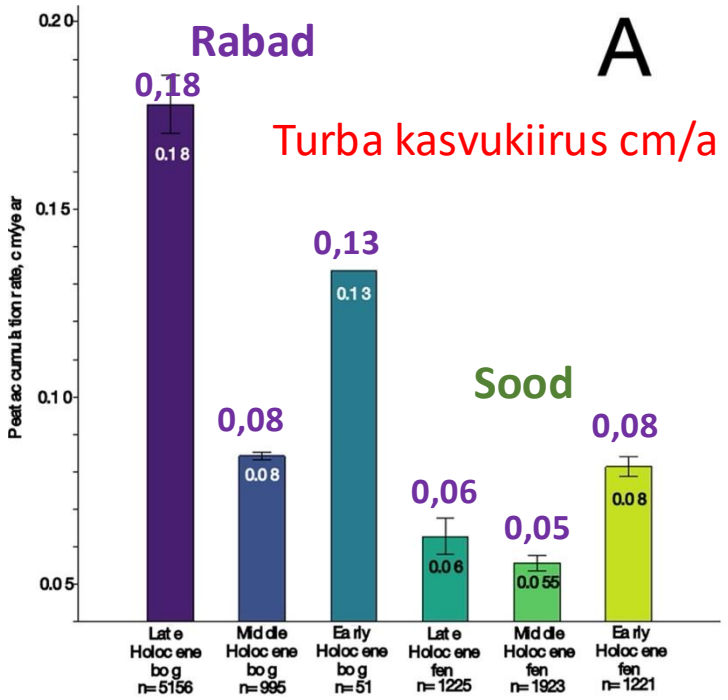
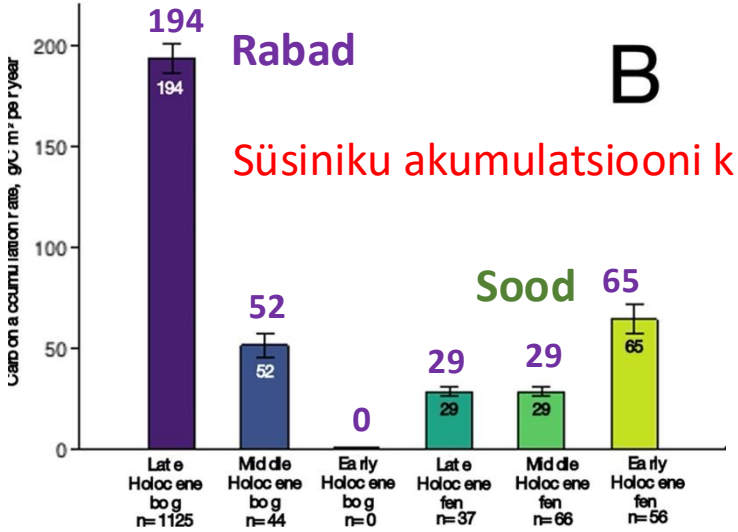
Sootekke algus



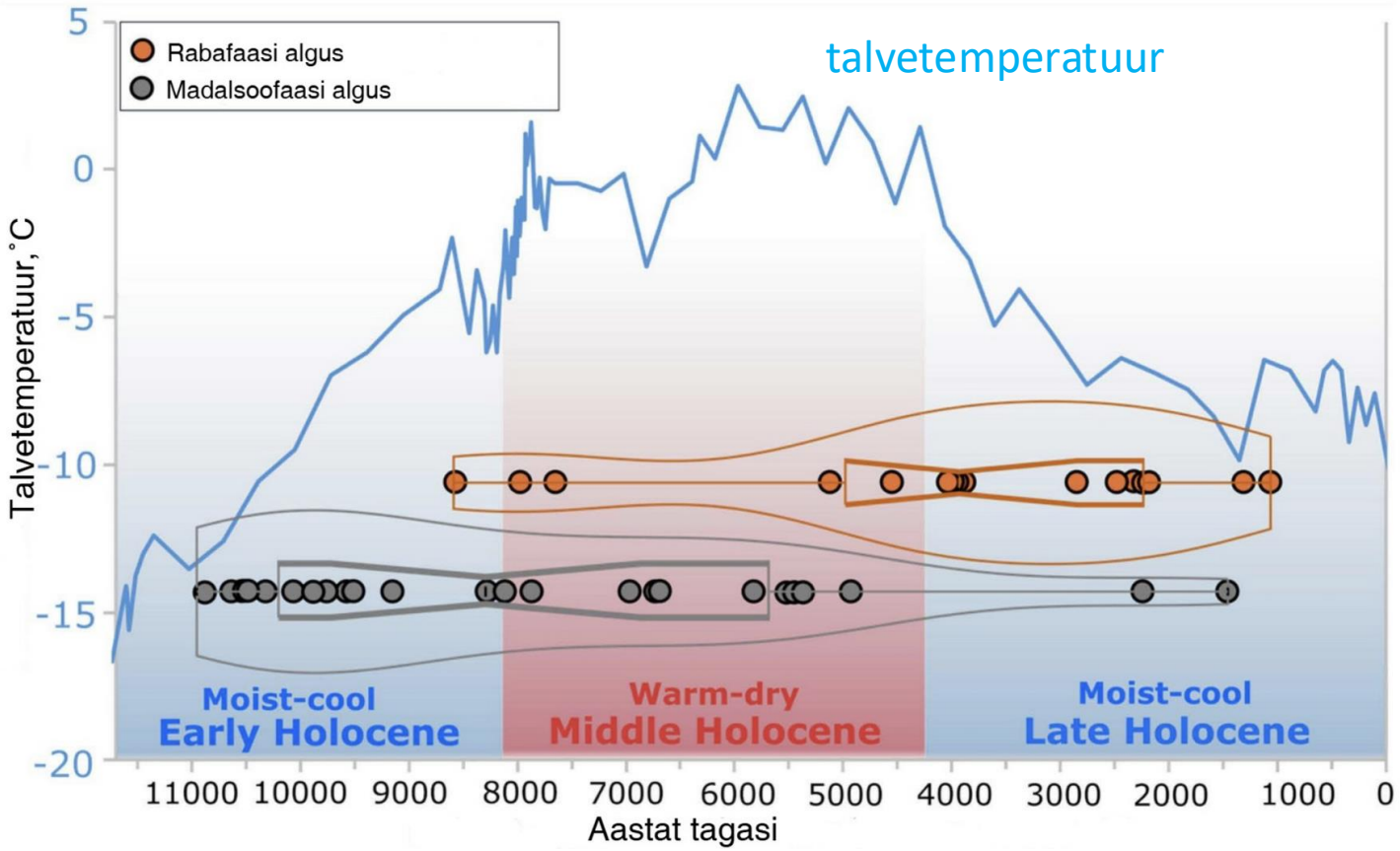
Turba paksus

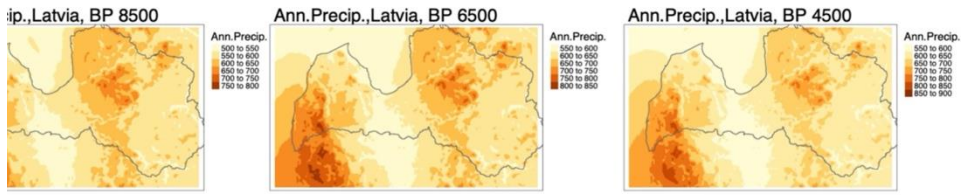




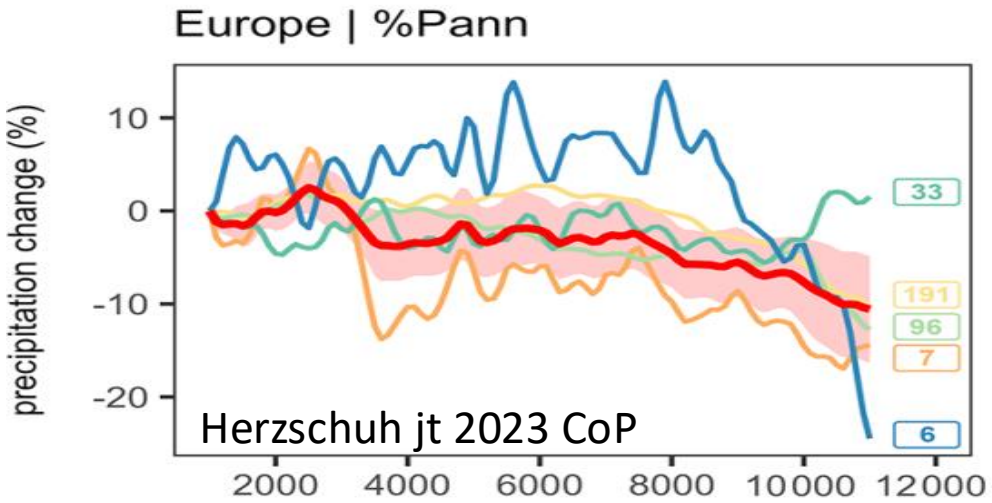


AH SOO KLIIMASIGNAAL





Aasta keskmine sademetehulk

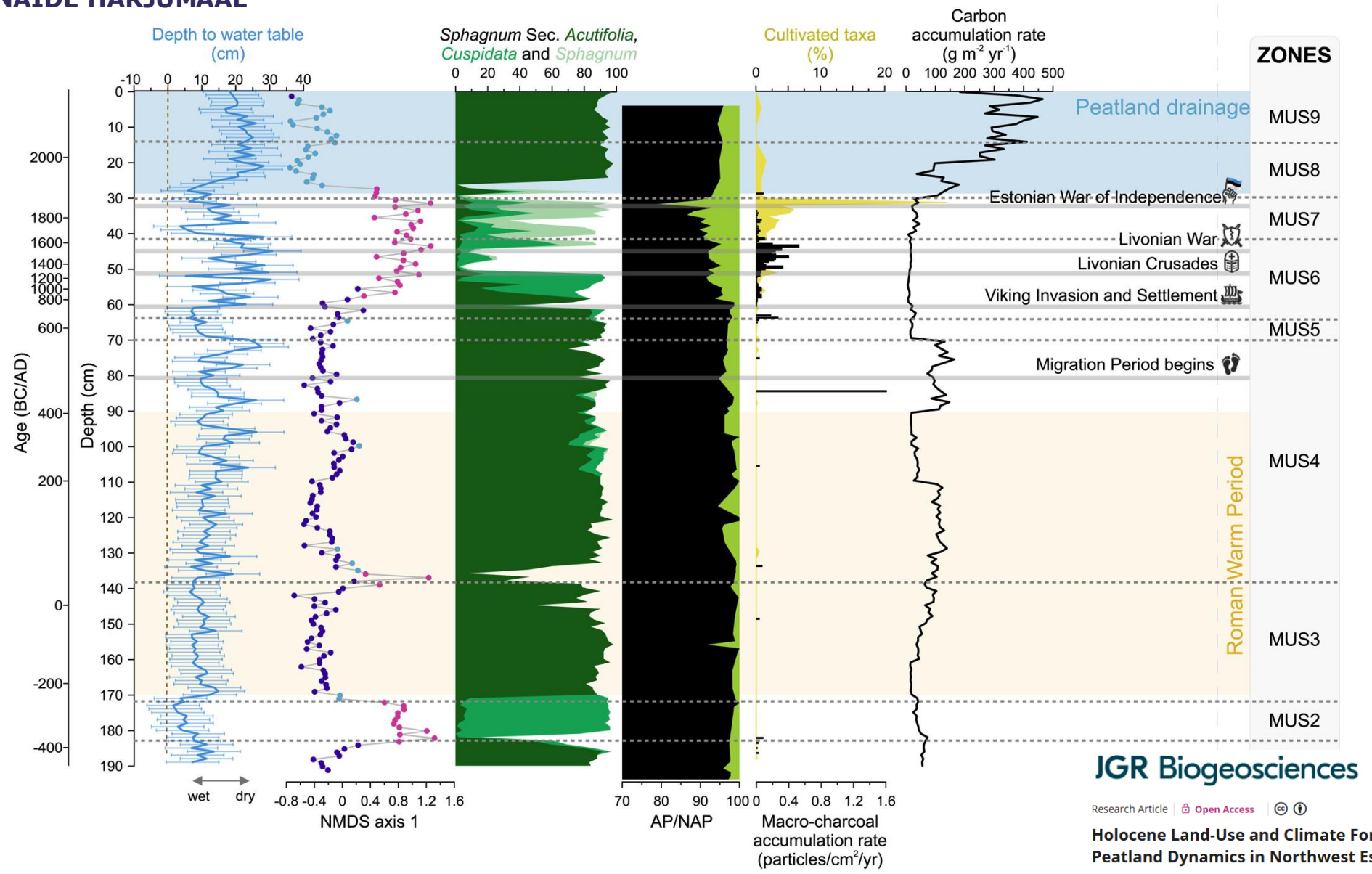


Uuring: soojem kliima võib peatada Balti turbamaade kasvu

TALLINNA TEHNIKAÜLIKOOL

AH SOO INIMESE MÕJU ON ILMSEM

MUSTJÄRVE RABA NÄIDE HARJUMAAL



JGR Biogeosciences

Research Article | Open Access

Holocene Land-Use and Climate Forcing of Ombrotrophic Peatland Dynamics in Northwest Estonia

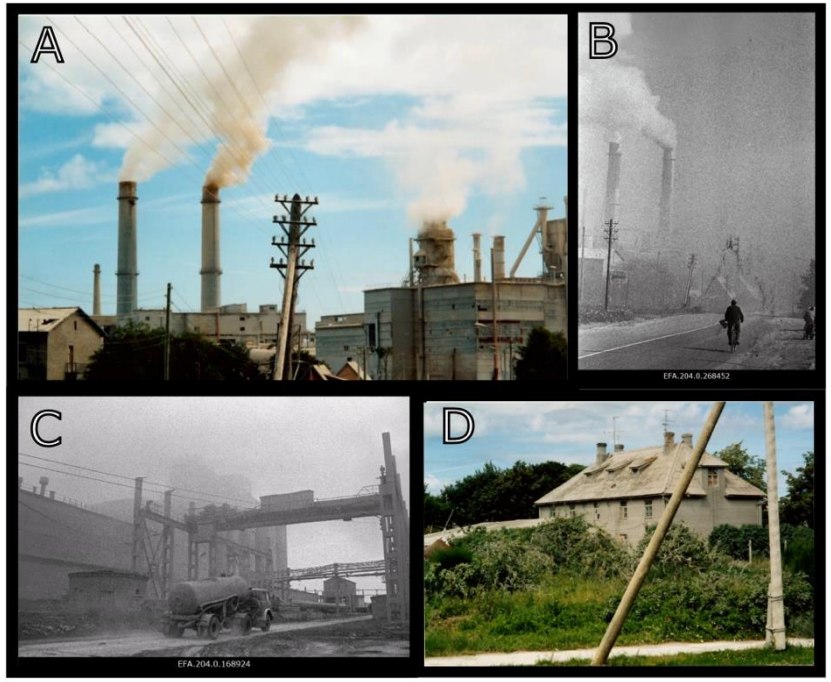
Harry Roberts, Luke Andrews, Michał Słowiński, Katarzyna Marcisz, Piotr Kołaczek, Leeli Amon, Siim Veski, Normunds Stivrins, Atko Heinsalu, Mariusz Lamentowicz

First published: 17 December 2025 | https://doi.org/10.1029/2025JG009140 | VIEW METRICS

TAL TECH

AH SOO INIMESE MÕJU ON ILMSEM

VARUDI RABA NÄIDE VIRUMAAL



Articles / Volume 22, issue 20 / BG, 22, 5849–5875, 2025

https://doi.org/10.5194/bg-22-5849-2025
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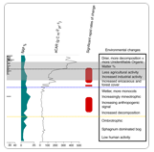
Research article | 22 Oct 2025

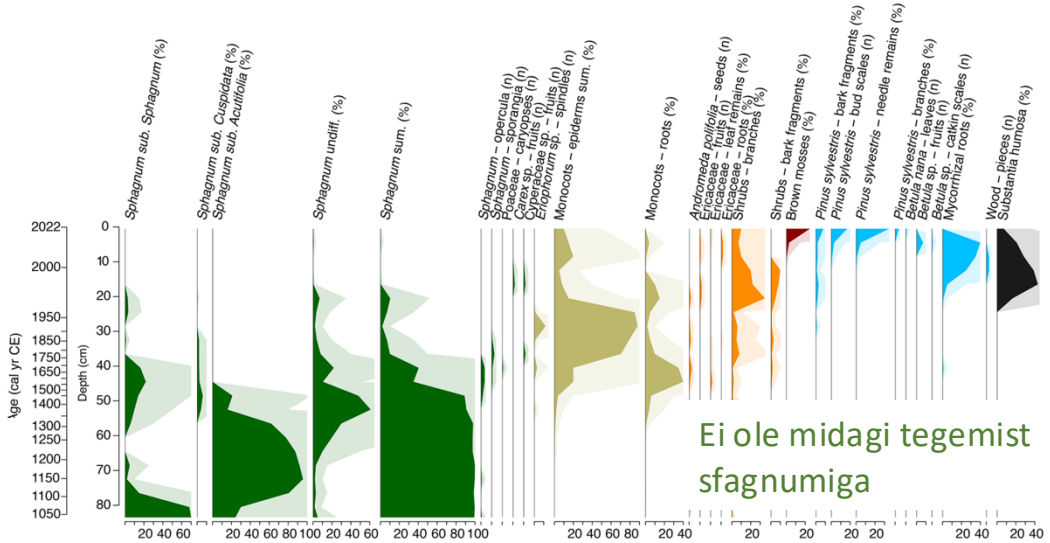
Response and recovery of a *Sphagnum* peatland from long-term human-induced alkalinisation

Luke Oliver Andrews, Katarzyna Marcisz, Piotr Kołaczek, Leeli Amon, Siim Veski, Atko Heinsalu, Normunds Stivrins, Mariusz Bąk, Marco A. Aquino-Lopez, Anna Cwanek, Edyta Łokas, Monika Karpińska-Kołaczek, Sambor Czerwiński, Michał Słowiński, and Mariusz Lamentowicz

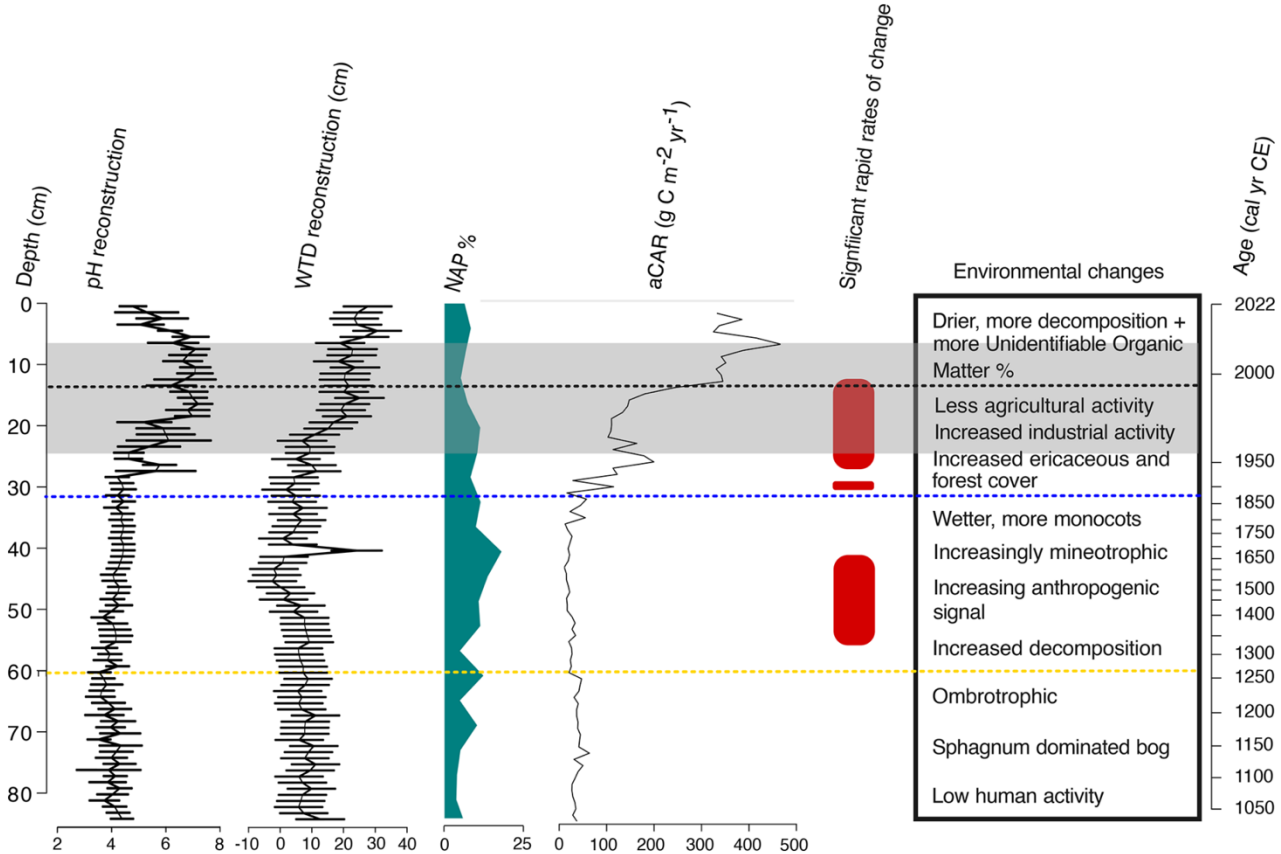


TALTECH | TALLINNA TEHNIKAÜLIKOOL

sfagnumsammal



Ei ole midagi tegemist sfagnumiga



MIS ON ÕPPETUND SELLEST ETTEKANDEST - AH SOO?!

- Soo ja kliima on ajas käinud käsikäes
- Soodes on uut infot mida ammutada
- Eesti soo on 13200 aastat vana (see viimane, praegune aeg)
- Eesti (paleo)sooteaduses on päris huvitavat uut!
- Jah, kliimasoojenemine ei mõju soode tervisele hästi, aga
- Kes on süüdi: kui, siis Hundipalu Tiit ja Sauna Madis on süüdi....☺
- No tegelikult ei ole keegi süüdi, tehkem omas ajas õigeid otsuseid