

Henna Sormunen (née. Suutari)

Department of Geography

University of Oulu

henna.sormunen(at)oulu.fi

Refereed international journal articles

Sormunen, H., Virtanen, R. and Luoto, M. (2011). Inclusion of local environmental conditions alters high-latitude vegetation change predictions based on bioclimatic models. *Polar Biology* 34(6):883-897

Sugita, S., Hicks, S. & Sormunen, H. (2010). Absolute pollen productivity and pollen-vegetation relationships in northern Finland. *Journal of Quaternary Science* 25(5):724-736

Anna Broström, Anne Birgitte Nielsen, Marie-José Gaillard, Kari Hjelle, Florence Mazier, Heather Binney, Jane Bunting, Ralph Fyfe, Viveca Meltsov, Anneli Poska, Satu Räsänen, Welmoed Soepboer, Henrik von Stedingk, Henna Suutari & Shinya Sugita (2008). Pollen productivity estimates of key European plant taxa for quantitative reconstruction of past vegetation: a review. *Vegetation History and Archaeobotany* 17: 461-478.

Räsänen, S., H. Suutari & A.B. Nielsen (2007). A step further towards quantitative reconstruction of past vegetation in Fennoscandian boreal forests: pollen productivity estimates for six dominant taxa. *Review of Palaeobotany and Palynology* 14: 208-220.

Abstracts

Sormunen, H. & Luoto, M. Lokaalien ympäristömuuttujien tärkeys subarktisten metsien levinneisyyden mallintamisessa muuttuvassa ilmastossa. Published in: Maantieteet muutoksessa – Transforming Geographies. Maantieteen päivät Oulussa 6.-7.11.2009. *Nordia tiedonantoja* 2/2009, 81 s. Pohjois-Suomen maantieteellisen seuran ja Oulun yliopiston maantieteen laitoksen julkaisuja 2009.

Sormunen, H. & Luoto, M. Ignoring local environmental conditions biases high-latitude vegetation change estimates based on bioclimatic models. Spatial analysis and statistics in physical geography. Geography graduate school Intensive course. 5th November 2009, Oulu, Finland.

Sormunen, H. & Luoto, M. The importance of local scale determinants for modeling subarctic forest distributions under climate change. Published in: Rautio, A., Strand, K. and Ståhle, A. (ed.) (2009). *Thule research seminar. Towards better understanding of Global Change*. Thule Institute, University of Oulu. Oulu University Press, 2009. 33 p.

Sormunen, H. & Luoto, M. Disregarding local abiotic conditions biases high-latitude tree-limit change estimates based on bioclimatic models. 10th International Congress of Ecology, 16 - 21 August 2009, Brisbane, Australia. Abstracts online.

http://www.intecol10.org/abstracts/pdf/0908015_SORMUNEN00766.pdf

Conference and seminar presentations

Lokaalien ympäristömuuttujien tärkeys subarktisten metsien levinneisyyden mallintamisessa muuttuvassa ilmastossa. Maantieteen päivät. Maantieteet muutoksessa – Transforming Geographies. 6.-7.11.2009, Oulu.

Ignoring local environmental conditions biases high-latitude vegetation change estimates based on bioclimatic models. Geography graduate school Intensive course. 5th November 2009, Oulu, Finland.

The importance of local scale determinants for modeling subarctic forest distributions under climate change. Thule seminar “Towards better understanding of Global Change”, 12-14 October 2009, Oulanka Research Station, Kuusamo, Finland.

Disregarding local abiotic conditions biases high-latitude tree-limit change estimates based on bioclimatic models. 10th International Congress of Ecology, 16-21 August 2009, Brisbane, Australia. Program online. http://www.intecol10.org/pdf/TUESDAY_PROGRAM.pdf

Pollen productivity estimates for six dominant taxa in northern boreal forests. *Post-PollLandCal meeting*, 29 September - 2 October 2006, Tallinn, Estonia. Program online. <http://www.tlu.ee/?LangID=1&action=ShowNews&NewsID=582>

Conference posters

Hyypä, H., H. Suutari, S. Hicks, A. Huusko & T. Goslar. Pollen records from the Palomaa peat profile. *Millennium – European Climate MM1*, 5-8 February 2007, Cala Millor, Mallorca. Project webpage: <http://137.44.8.2/>

Huusko, A., S. Hicks, H. Suutari & H. Hyypä. Calibration between pollen deposition and temperature. *Millennium – European Climate MM1*, 5 -8 February 2007 Cala Millor, Mallorca. Project webpage: <http://137.44.8.2/>

Theses

Suutari, H. (2005). Determinants of Mountain birch tree- and forestline in Enontekiö region Finnish Lapland (*in Finnish*) 98 s. Unpublished Master thesis. University of Oulu, Department of Geography.