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**1. PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS**

- [7] **Heli Huhtamaa** & Samuli Helama (2017), Distant impact: tropical volcanic eruptions and climate-driven agricultural crises in seventeenth-century Ostrobothnia, Finland. *Journal of Historical Geography* 57, 40–51.  
<http://www.sciencedirect.com/science/article/pii/S0305748817300014>
- [6] Samuli Helama, **Heli Huhtamaa**, Erkki Verkasalo & Alar Läänelaid (2017), Something old, something new, something borrowed: new insights to human-environment interaction in medieval Novgorod inferred from tree rings. *Journal of Archaeological Science: Reports* 13, 341–35.  
<http://www.sciencedirect.com/science/article/pii/S2352409X16305879>
- [5] **Heli Huhtamaa** & Samuli Helama (2017), Reconstructing crop yield variability in Finland: long-term perspective of the cultivation history on the agricultural periphery since AD 760. *The Holocene* 27(1), 3–11.  
<http://journals.sagepub.com/doi/abs/10.1177/0959683616646188>
- [4] Raúl Sánchez-Salguero, Andrea Hevia, J. Julio Camarero, ..., **Heli Huhtamaa** et al. (2017), An intensive tree-ring experience: Connecting education and research during the 25th European Dendroecological Fieldweek (Asturias, Spain). *Dendrochronologia*. 42, 80–93.  
<http://dx.doi.org/10.1016/j.dendro.2016.12.005>
- [3] Chantal Camenisch, Kathrin M. Keller, Melanie Salvisberg, ..., **Heli Huhtamaa** et al. (2016), The 1430s: a cold period of extraordinary internal climate variability during the early Spörer Minimum with social and economic impacts in north-western and central Europe. *Climate of the Past* 12(11), 2107–2126.  
<http://www.clim-past.net/12/2107/2016/>
- [2] **Heli Huhtamaa** (2015), Climatic anomalies, food systems, and subsistence crises in medieval Novgorod and Ladoga. *Scandinavian Journal of History* 40(4), 562–590.  
<http://www.tandfonline.com/doi/abs/10.1080/03468755.2015.1063081>
- [1] **Heli Huhtamaa**, Samuli Helama, Jari Holopainen, Carolin Rethorn & Christian Rohr (2015), Crop yield responses to temperature fluctuations in 19th century Finland: provincial variation in relation to climate and tree-rings. *Boreal Environment Research* 20(6), 707–723.  
<http://www.borenv.net/BER/pdfs/ber20/ber20-707.pdf>

## 2. CONTRIBUTIONS TO EDITED VOLUMES (PEER-REVIEWED)

- [3] **Heli Huhtamaa** (*accepted*) Climate and the crises of the early fourteenth century in north-east Europe? In: Gerrit Schenk and Martin Bauch (eds.) *The Crisis of the 14th Century: "Teleconnections" between Environmental and Societal Change? Das Mittelalter. Perspektiven mediävistischer Forschung. Beihefte.*
- [2] **Heli Huhtamaa** (2018) "Kewät kolkko, talwi tuima" – Ilmasto, sää ja sadot nälkävuosien taustalla [Chilly spring, severe winter – Climate, weather and harvest underlying the Hunger Years] In: Tuomas Jussila and Lari Rantanen (eds.), *Nälkävuodet 1867–1868 [Hunger Years 1867–1868].* Suomalaisen Kirjallisuuden Seura, *in press.*
- [1] **Heli Huhtamaa** (2018), Combining written and tree-ring evidence to trace past food crises: A case study from Finland, in: Dominik Collet and Maximillian Schuh (eds.), *Famines in the premodern world (1300-1800): Socio-natural entanglements in historical societies.* Springer, Cham, 43–66.

## 3. CONTRIBUTIONS TO SCIENTIFIC JOURNALS (NON-REVIEWED)

- [1] Jari Holopainen, Samuli Helama & **Heli Huhtamaa** (2016), Keskiaikaisten kivikirkkojen keskeneräisyys ympäristöhistoriallisessa tarkastelussa [An environmental historical view of unfinished medieval stone churches]. *SKAS - Suomen keskiajan arkeologian seuran jäsenlehti* 20(1), 3–10.

## 4. ORAL CONTRIBUTIONS TO CONFERENCES

- [21] **Heli Huhtamaa** (2018), Christopher of Bavaria and climate-related crises in the light of memory of nature, *International Medieval Congress*, Leeds, United Kingdom, July 2–5.
- [20] **Heli Huhtamaa** (2018), Tracing pre-1850s meteorological measurements from Finland, *Early Instrumental Meteorological Series Conference and Workshop*, University of Bern, Switzerland, June 18–21. [*invited*]
- [19] **Heli Huhtamaa** (2018), Success or failure? Socio-economic consequences of the 17th century eruptions in Finland, *VICES: Volcanic Impacts on Climate, Environment and Society*, University of St Andrews, United Kingdom, May 2. [*invited*]
- [18] **Heli Huhtamaa** (2017), Influence of landownership on peasant resilience: Microhistorical study of early modern rural Finland, *Shocks and Hazards in History: Vulnerability and Resilience*, University of Antwerp, Belgium, November 27–28. [*invited*]
- [17] **Heli Huhtamaa** (2017), Crop failures and crises in relation to climate-sensitive tree-ring records in medieval (1100–1500) Finland and North-West Russia, *International Medieval Congress*, Leeds, United Kingdom, July 3–6.
- [16] **Heli Huhtamaa** (2017), From tropical to boreal zone: Tracing linkages between volcanic eruptions and peasant livelihoods in the 17th century Finland, *Natures in Between*, Ninth

*Biennial Conference of the European Society for Environmental History*, Zagreb, Croatia, June 28 – July 2.

- [15] **Heli Huhtamaa** (2016), Climate, crop failure and famine in pre-modern Finland: Tree-ring evidence for climate-society interactions, *International Medieval Congress*, Leeds, United Kingdom, July 4–7.
- [14] **Heli Huhtamaa** (2016), Societal impacts of tropical eruptions in the far north – the 17th century food crises in Finland, *PAGES Volcanic Impacts on Climate and Society (VICS) workshop*, Lamont-Doherty Earth Observatory, Columbia University, Palisades, USA, June 6–8. [[invited](#)]
- [13] **Heli Huhtamaa** (2016), Assessing the role of climate in food crises: example from pre-industrial Finland, *Struggling Nations – Phrasing Famines*, Reykjavik, Iceland, May 19–20.
- [12] **Heli Huhtamaa** (2016), Climate and the Great Famine in North-East Europe, *The Crisis of the 14th Century: 'Teleconnections' between Environmental and Societal Change*, Rome, Italy, February 24–26. [[invited](#)]
- [11] **Heli Huhtamaa** (2015), Uusi apuväline historiantutkimukselle: satorekonstruktio puun vuosirengassarjoista, [Novel source material for historical research: yield reconstruction based on tree-ring evidence] *Finnish Historical Research Days*, Joensuu, Finland, October 22–24.
- [10] **Heli Huhtamaa** (2015), Exploring historical food system vulnerability to climatic anomalies in fourteenth to eighteenth century Finland, *The International Conference of Historical Geographers*, London, United Kingdom, July 5–10.
- [9] **Heli Huhtamaa** (2015), Weather extremes and livelihood (in)security in 15th century north-east Europe, *International Medieval Congress*, Leeds, United Kingdom, July 6–9.
- [8] **Heli Huhtamaa** (2015), Linking weather to violence: climate, crop failures and conflicts in late-medieval Sweden, *Greening History, Eighth Biennial Conference of the European Society for Environmental History*, Versailles, France, June 30 – July 3.
- [7] **Heli Huhtamaa** (2015), Exploring climate-driven food crises in Finland during the Little Ice Age with written and dendrological evidence, Famines during the 'Little Ice Age' (1300–1800), *Socio-natural entanglements in premodern societies*, Bielefeld, Germany, February 19. [[invited](#)]
- [6] **Heli Huhtamaa** (2014), Linking climate and conflict in 1430s northern Europe? *The Coldest Decade of the Millennium? The Spörer Minimum, the Climate during the 1430s, and its Economic, Social and Cultural Impact*, Bern, Switzerland, December 5. [[invited](#)]
- [5] **Heli Huhtamaa** (2014), Climate-driven subsistence crises in northern Baltic Sea region, *Bellies, Bodies, Policing: Embodied Environments between Catastrophes and Control*, Tallinn and Tartu, Estonia, September 10–12.
- [4] **Heli Huhtamaa** (2014), Pre-modern history and modern Science: Hunger and climate in medieval northeastern Europe, *The 28. Conference of Nordic Historians*, Joensuu, Finland, August 14–17.

- [3] **Heli Huhtamaa** (2014), The Great Famine and food system vulnerability in medieval North-East Europe, *Crossing Divides, Conference of the American Society for Environmental History*, San Francisco, USA, March 12–16.
- [2] **Heli Huhtamaa** (2013), Climate-driven disasters and food crises in North-East Europe before 1300 CE, *Mortality Crises Between the Plagues: Epidemics, Epizootics and Famines in Europe, 800–1300*, Stirling, United Kingdom, November 13, 2013. [\[invited\]](#)
- [1] **Heli Huhtamaa** (2013), Climate and hunger in medieval Novgorod and Ladoga, *Circulating Natures: Water-Food-Energy, Seventh Biennial Conference of the European Society for Environmental History*, Munich, Germany, August 21–24.

## 5. GUEST LECTURES AND PUBLIC TALKS

- [4] **Heli Huhtamaa** (2016), Näлкävuosien lähteillä: esimerkkinä ”suuri olkivuosi” 1601 Suomessa [Research on the hunger years: the Great Straw year 1601 in Finland], *Suomalaiset historiapäivät [Finnish history days]*, Lahti, Finland, February 6.
- [3] **Heli Huhtamaa** (2015), Tree-ring evidence for climate-society interactions: a case study from pre-industrial Finland, *The Plenary Assembly of the Oeschger Centre for Climate Change Research*, Bern, Switzerland, September 3.
- [2] **Heli Huhtamaa** & Maximillian Schuh (2015), New approaches to exploring pre-modern subsistence crises: Chances and challenges of bringing together evidence from historical sources and tree rings, *The Heidelberg Center for the Environment seminar series*, Heidelberg, Germany, June 22.
- [1] **Heli Huhtamaa** (2013), Climate and history: climatic anomalies, food systems and subsistence crises in medieval North-east Europe, *KAJAK seminar series*, Tallinn, Estonia, April 25.

## 6. ACADEMIC DISSERTATIONS

- [3] **Heli Huhtamaa** (2017), *Exploring the climate-society nexus with tree-ring evidence: Climate, crop yields, and hunger in medieval and early modern north-east Europe*. PhD Thesis, General History (University of Eastern Finland) and Climate Sciences (University of Bern) [http://epublications.uef.fi/pub/urn\\_isbn\\_978-952-61-2563-3/urn\\_isbn\\_978-952-61-2563-3.pdf](http://epublications.uef.fi/pub/urn_isbn_978-952-61-2563-3/urn_isbn_978-952-61-2563-3.pdf)
- [2] **Heli Huhtamaa** (2012), *Climate, conflicts and crises - Temperature variations in relation to violent conflict, subsistence crisis and social struggle in Novgorod and Ladoga region AD 1100-1500*. Master Thesis, Geography, University of Eastern Finland. <http://urn.fi/urn:nbn:fi:uef-20120493>
- [1] **Heli Huhtamaa** (2011), *Frosts, floods and famines - Climate in relation to hunger in North-East Europe A.D. 1100-1550*. Master Thesis, General history, University of Eastern Finland. <http://urn.fi/urn:nbn:fi:uef-20110395>