

Curriculum Vitæ of Bente Philippsen

Contact details

bente.philippsen@ntnu.no; +47 92092496; ORCID [0000-0001-5732-3570](https://orcid.org/0000-0001-5732-3570)

Education

May 2008 – Aug. 2012	PhD student at the AMS ¹⁴ C Dating Centre, Department of Physics and Astronomy, Aarhus University, Denmark (title awarded: Ph.D.)
April 2007 – April 2008	Diploma (master) thesis at the AMS ¹⁴ C Dating Centre, Aarhus University and Institute of Environmental Physics, Heidelberg University, Germany
Oct. 2003 – April 2007	Diploma studies in Physics at Heidelberg University, with minor subjects Archaeology and Astrophysics

Employment

From January 2023	Leader of the National Laboratory for Age Determination, University Museum, Norwegian University for Science and Technology
July 2021 – December 2022	Academic employee at Museum Lolland-Falster
February – June 2021	Laboratory technician at Statens Serum Institut, Testcenter Danmark Vest
July 2019 – December 2020	Project Researcher at “NeoDairy”, Danish National Museum; Honorary Research Fellow, Organic Geochemistry Unit, University of Bristol
July 2017 – June 2019	PostDoc at UrbNet (Center for Urban Network Evolutions), Aarhus University
2015 – 2016	Research Assistant, Science & Technology in Archaeological Research, Aarhus Uni.
Oct. 2014 – June 2016	PostDoc, “CONTACT. The Pitted Ware Phenomenon in Djursland and Maritime Relations Across the Kattegat in the Middle Neolithic”, Museum Østjylland
June 2013 – Oct. 2015	Field archaeologist and scientific consultant for the Femern Bælt project, Museum Lolland-Falster
Oct. 2013 – Oct. 2014	Scientific assistant, AMS ¹⁴ C Dating Centre

Selected publications

- Bennike, O., Philippsen, B., Groß, D., Jessen, C. (2022) Holocene shorelevel changes, southern Lolland and the Femern Belt, Denmark. *Journal of Quaternary Science*.
<https://doi.org/10.1002/jqs.3479>
- Philippsen, B., Feveile, C., Olsen, J., Sindbæk, S. M. (2022) Single-year radiocarbon dating anchors Viking Age trade cycles in time. *Nature* 601: 392–396. <https://doi.org/10.1038/s41586-021-04240-5>
- Iversen, R., Philippsen, B., Persson, P. (2021) Reconsidering the Pitted Ware chronology: A temporal fixation of the Scandinavian Neolithic hunters, fishers and gatherers. *Prähistorische Zeitschrift* 96(1): 44-88. <https://doi.org/10.1515/pz-2020-0033>
- Philippsen, B. (2019) Approaches to determine reservoir effects in elk/moose. *Radiocarbon* 61(6): 1889-1904. <http://dx.doi.org/10.1017/RDC.2019.124>
- Philippsen, B., Olsen, J., Sørensen, S. A. & Måge, B. (2019) $\delta^{13}\text{C}$ values of wood and charcoal reveal broad isotopic ranges at the base of the food web. *Radiocarbon* 61(6): 2003-2017.
<https://doi.org/10.1017/RDC.2019.138>
- Philippsen, B., Ivanovaite, L., Makhotka, K., Sauer, F. R., Riede, F., Olsen, J. (2019) Eight New Late Pleistocene/Early Holocene AMS Dates from the Southeastern Baltic. *Radiocarbon* 61(2): 615-627.
<https://doi.org/10.1017/RDC.2018.153>
- Philippsen, B. (2018) Reservoir effects in a Stone Age fjord on Lolland, Denmark. *Radiocarbon* 60(2): 653-665. <https://doi.org/10.1017/RDC.2018.6>
- Philippsen, B & Meadows, J (2014) Inland Ertebølle culture: the importance of aquatic resources and the freshwater reservoir effect in radiocarbon dates from pottery food crusts. *Internet Archaeology* 37. <http://dx.doi.org/10.11141/ia.37.9>
- Philippsen, B (2013) The freshwater reservoir effect in radiocarbon dating. *Heritage Science* 1: 24, 2 August 2013. <http://dx.doi.org/10.1186/2050-7445-1-24>