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Digging for data: the rise and fall of a Miocene mammal biodiversity hotspot in the Vallès-Penedès (Catalonia, Spain)

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Curriculum Vitae

Anneke Madern was born on October 26th, 1983, in Vlaardingen, the Netherlands. She started out studying Archaeology in Leiden, but switched to Biology and received her bachelor's degree in biology at Leiden University in 2007.

Her thesis was focused on fossil island micro-mammals, supervised by Lars van den Hoek Ostende. For this work, she collaborated with high school student Jelle Zijlstra, which led to the publication of a new genus of Pleistocene oryzomyines with the poetic name of *Agathaeromys praeuniversitatis*.



After obtaining her bachelor's, she moved on to Utrecht University for a Master of Biology. However, due to organisational difficulties there, she quickly returned to Leiden to receive her Master of Biology there in 2010, following the master track Biodiversity in Time and Space. During her research master's, she combined her interests in data science and palaeontology with an internship at the National Herbarium with Niels Raes about Species Distribution Modelling and conservation, and an internship at Naturalis Biodiversity Center studying fossil mammal biodiversity.

While working at the collection department of Naturalis in 2011, she was accepted as a PhD candidate with a joint affiliation: Leiden University through Naturalis and Universitat Autònoma de Barcelona via the ICP; Institut Català de Paleontologia Miquel Crusafont. Her supervisors were Lars van den Hoek Ostende and Isaac Casanovas-Vilar, with Peter van Welzen as promotor. From 2012 to 2016, she spent over twelve months near Barcelona, at the ICP museum in Sabadell, and doing fieldwork at Can Llobateres. She followed courses in Frankfurt and Sydney, and presented her research in London, Berlin, Los Angeles, Istanbul, Madrid, Turin, Vienna, and Dallas. She taught courses at Leiden University, supervised bachelor and master students and even set up a Naturalis PhD council, which still exists today.

Following her work at Naturalis, she got accepted into a traineeship for 'excellent academics' to become a high school teacher; EersteKlas. Since 2016 she has been working at the Odulphuslyceum in Tilburg, teaching Biology, STEAM (Science, Technology, Engineering, Art and Mathematics) and Big History. Together with colleagues at her school, other high schools and higher education institutions, she developed a so-called ongoing learning curriculum from secondary to higher education. Additionally, she published articles in NVOX, a Dutch journal for science teachers. She is the research coordinator at the Odulphuslyceum and part of its educational committee.

The museum world still beckons, leading her to volunteering at Het Natuurhistorisch, the Natural History Museum Rotterdam, to prepare mammal study skins for the scientific collection.

List of publications

Aarts, R., de Jong, G., **Madern**, A., Diephuis, E., & van der Kuip, J. (2021a). Academische vaardigheden in het voortgezet onderwijs en aansluiting bij het hoger onderwijs. Een inventarisatie in het kader van het Project Academische Vaardigheden Regionaal Ambitieplan Zuid-Nederland. Onderzoeksverslag Deel 1 2018-2019. <https://www.tilburguniversity.edu/sites/default/files/download/Academische-vaardigheden-onderzoeksverslag-2018-2019-Deel%201.pdf>

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Alles blijft
Alles gaat voorbij
Alles blijft voorbijgaan

J.A. Deelder

