

Curriculum vitae

Karin Louise Zwiep

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Biologist with a passion for marine palaeoecology and science communication.
Currently working on PhD project on community structure changes in past coral reefs using aDNA

Education

- 2017 - now PhD student at Marine Palaeoecology Lab School of Biological Sciences, University of Queensland. *Working on community structure changes and phaseshifts in coral reef ecosystems using ancient DNA. On a full-time research and training scholarship*
- 2013 - 2016 Research Master Environmental Biology (*cum laude*)
Graduate School of Life Sciences, Utrecht University *Research track Marine Sciences & Palaeoecology, 8.7/10 GPA. Part of U/Select honoursprogramme for selected students.*
- 2010 - 2013 Bachelor of Biology Utrecht University
Focus on (marine) ecology, evolution and plant biology. Part of Bsc Honoursprogramme. Chairman of Interdisciplinary Symposium Committee 'Water: an ocean of science' Co-author of book about sustainability in a changing world (ISBN: 9789077024652)

Research experience

- 2016 Thesis "Harmful Algal Blooms in the Caribbean" Literature study on past occurrences and current risk factors of harmful algal blooms in the Caribbean Sea. *Results were presented at TNO 'Coastal Dynamics and Ecosystem Change' Conference, Bonaire*
- 2015 Research project "Genetic diversity of *Symbiodinium* in High Latitude Reefs"
Marine Palaeoecology Lab, School of Biological Sciences, University of Queensland
8 month project as part of MSc. Researching connectivity of high latitude reefs through the genetics of Symbiodinium from high latitude corals.
- 2013-2014 Research project "The Signature of Sapropel S3 in a core offshore the Nile: a marine and terrestrial palynological approach" Marine Palynology, Utrecht University. *1 year project as part of MSc. Unique high resolution palynological record of both pollen and dinoflagellate cysts during S3 in the Mediterranean. This allowed a reconstruction of climate changes 80 kyr ago and gives insight into similar widespread anoxic conditions.*
- 2013 Research project "Epibiosis of Ciliates on *Bathyporeia* in the Ooster- and Westerschelde"
Royal Dutch Institute for Sea Research (NIOZ), Yerseke. *Three month project as part of BSc thesis. First described ciliates living on the crustacean Bathyporeia.*

Employment history

- 2015
2016 - 2017 Research assistant
Marine Palynology, Faculty of Geosciences, Utrecht University
Responsibilities include assisting teaching of practicals during bachelor courses on marine science, palynological microscope work of dinoflagellate cyst and pollen of sapropel S3 and S4, and the development of an advanced taxonomic and biostratigraphical database of dinoflagellate cysts (PALSYS) for the LPP foundation.
- 2014-2017 Co-founder & board member 'De Kledingbibliotheek'
A sustainable business build on the idea of sharing clothing: a fashion library. Developed from idea to succesful store and community. *Responsibilities including starting and running store, developing and maintaining network, crowdfunding, organising events, managing social media and designing and building on- and offline database for collection.*
- 2014-2015 Teaching assistant Marine Sciences
Utrecht University. *Assisting practicals of Marine Sciences bachelor courses.*

Research publications

Hennekam, R., Donders, T. H., **Zwiep, K.**, & de Lange, G. J. (2015) Integral view of Holocene precipitation and vegetation changes in the Nile catchment area as inferred from its delta sediments. *Quaternary Science Reviews*, 130, 189-199.

Grants and scholarships

- 2017 Research and Training Scholarship, University of Queensland
Living allowance stipend and tuition offset for PhD research.
- 2015 U/Select Travel grant, Graduate School of Life Sciences, Utrecht University
Travel grant to execute written research proposal abroad.

Additional courses

- 2016 Science Communication in Theory and Practise University of Copenhagen
Two month, intensive summer school covering all aspects of Science Communication theory and developing own practical communication products.
- 2014-2016 Scubadiving qualifications
Advanced Open Water Diver (PADI) and Enriched Air Diver (PADI)
- 2014 Marine Master Course, Royal Dutch Institute for Sea Research (NIOZ)
Comprehensive oceanography course, including physics, chemistry, biology and geology. Multidisciplinary field work in the Wadden Sea and analytical work in NIOZ laboratories.