Analysis of 13C and 15N isotopes from Eurasian Quaternary fossils: Insights in diet, climate and ecology

Kuitems, M.

Analysis of ^{13}C and ^{15}N isotopes from Eurasian Quaternary fossils

Insights in diet, climate and ecology

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
op gezag van Rector Magnificus prof.mr. C.J.J.M. Stolker,
volgens besluit van het College voor Promoties
te verdedigen op donderdag 14 mei 2020
klokke 13.45 uur

door

Margot Kuitems
geboren te Houten
in 1985

Supervisors
Prof. dr. T. van Kolfschoten (Leiden University)
Prof. dr. J. van der Plicht (University of Groningen)

Assessment committee
Prof. dr. J. Kolen (Leiden University)
Prof. dr. M. Soressi (Leiden University)
Prof. dr. J.W.M. Roebroeks (Leiden University)
Prof. dr. A.M. Lister (Natural History Museum London, United Kingdom)
Dr. A.N. Tikhonov (Zoological Institute, Russian Academy of Sciences, Saint Petersburg, Russia)
Dr. L. Llorente Rodriguez (Leiden University)

Cover: original picture by Loes Visser
Layout: Visser Visible Communication | www.visservisible.com
Print: Ridderprint | www.ridderprint.nl
An electronic version of this dissertation is available at the Leiden University Repository (https://openaccess.leidenuniv.nl)

Part of this work was financially supported by the Netherlands Organisation for Scientific Research (NWO) in the frame of the Russian-Dutch scientific cooperation COMSEC (i.e. The collapse of the mammoth steppe ecosystem, № 047.017.041) and by the Leiden University Fund (LUF), Van Trigt (№10602).

Contents