



Universiteit
Leiden
The Netherlands

interpreting lithic raw material variability in Middle Palaeolithic contexts: a modeling approach with applications to the Bau de l'Aubesier (Southeastern France)

Pop, C.M.

Citation

Pop, C. M. (2022, October 5). *interpreting lithic raw material variability in Middle Palaeolithic contexts: a modeling approach with applications to the Bau de l'Aubesier (Southeastern France)*. Retrieved from <https://hdl.handle.net/1887/3466063>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3466063>

Note: To cite this publication please use the final published version (if applicable).

Interpreting lithic raw material variability in Middle Palaeolithic contexts:

A modeling approach with applications to the Bau de l'Aubesier

(Southeastern France)

Proefschrift

ter verkrijging van

de graad van doctor aan de Universiteit Leiden,

op gezag van rector magnificus prof.dr.ir. H. Bijl,

volgens besluit van het college voor promoties

te verdedigen op woensdag 5 oktober 2022

klokke 13:45 uur

door

Cornel Marian Pop

geboren te Baia Mare, RO

in 1981

Promotor: Prof. dr. J.-J. Hublin (Universiteit Leiden)

Co-promotor: Dr. S.P. McPherron (Max Planck Institute for Evolutionary Anthropology)

Promotiecommissie:

Chair: Prof. dr. J.C.A. Kolen (Universiteit Leiden)

Secretary: Prof. dr. M.A. Soressi (Universiteit Leiden)

Dr. S. Lin (University of Wollongong)

Dr. M. Weiß (Friedrich-Alexander-Universität Erlangen-Nürnberg)

Prof. dr. S.J. Holdaway (University of Auckland)

This research was funded by the Max Planck Institute for Evolutionary Anthropology (MPI-EVA).

Cover design: Background photo by C. Pop, showing parts of the region studied in this thesis as seen from the top of Mount Ventoux. Drawings courtesy of Andrea Strusievici.

For Valentina and Theodora.

CONTENTS

CHAPTER ONE	
Introduction	1
CHAPTER TWO	
An overview of the French Middle Palaeolithic site of the Bau de l'Aubesier	27
CHAPTER THREE	
Re-examining basic assumptions through a systematic re-evaluation of Brantingham's neutral model of raw material procurement	48
CHAPTER FOUR	
A network model of local resource selection for evaluating landscape knowledge, navigation, and foraging extents at the Bau de l'Aubesier	101
CHAPTER FIVE	
Exploring home ranges and non-local procurement through a minimally realistic model of raw material management at the Bau de l'Aubesier	146
CHAPTER SIX	
Conclusions	185
SUMMARY	195
SAMENVATTING	197
ACKNOWLEDGEMENTS	198
CURRICULUM VITAE	199

