

# LES SOCIÉTÉS HUMAINES FACE AUX CHANGEMENTS CLIMATIQUES 3





**LES SOCIÉTÉS HUMAINES FACE AUX  
CHANGEMENTS CLIMATIQUES**

**HUMAN SOCIETIES FACING  
CLIMATE CHANGE**

**Volume 3**

**DÉTERMINISMES DANS LES SOCIÉTÉS PRÉHISTORIQUES :  
CHANGEMENTS CLIMATIQUES, ENVIRONNEMENTS,  
CONTRAINTES FONCTIONNELLES ET TRADITIONS  
CULTURELLES**

**DETERMINISMS IN PREHISTORIC SOCIETIES:  
CLIMATE CHANGES, ENVIRONMENTS, FUNCTIONAL  
CONSTRAINTS AND CULTURAL TRADITION**

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**Textes collectés et révisés par François Djindjian**

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## Foreword

Volume 3 contains the papers given at a symposium organized by the International Academy of Prehistory and Protohistory at the Institute of Human Paleontology in Paris, on June 3, 2023.

The chosen theme “Determinisms in prehistoric societies: climate change, environments, functional constraints and cultural traditions” is part of the project “Human societies in the face of climate change” supported by the International Academic Union (UAI).

Twelve presentations were given face-to-face and remotely;

1. Henry de Lumley  
Evolution du climat au Pléistocène inférieur et premier peuplement de l'Europe
2. Francis Thackeray  
Quantification of morphological variability expressed by a “log sem” statistic in the context of human evolution (*Australopithecus*, *Paranthropus* and early *Homo*)
3. François Djindjian  
Cultural changes in middle and upper European palaeolithic: from cultural historical typology to process analysis
4. Martin Oliva  
L'évolution culturelle et l'interprétation des données. Quelques exemples
5. Lioudmila Iakovleva  
Cultural Changes in the upper palaeolithic of Eastern Europe: the influence of climate change
6. Jacek Kabacinski  
Exploring the life of Central European hunter-gatherers: research on Polish Mesolithic peat-bog sites
7. Mehmet Özdoğan  
Cultural Changes during the Transformation of Neolithic Way of Living from Anatolia to Balkans
8. Chris Scarre  
Megaliths, islands and mobility in Neolithic Northwest Europe
9. Hans Gebel  
The Rajajil Cultures: Socio-Economic and Cultural Evolution Reacting to Climate Change in Northern Arabia (4500-3500 BCE)

10. Svend Hansen  
Research on Technological and Social Innovations in Prehistory.  
New Perspectives for Archaeology
11. Dolores Piperno  
The Past (and Future?) of Our Crop Plants and Their Wild Ancestors  
in Changing Global Environments: Developmental Plasticity and  
Maize Evolution
12. Kristian Kristiansen  
Institutions and their transformation from the 3rd to the 2nd  
millennium BC in temperate Europe: environmental, linguistic and  
genetic implications

The publication was supported by two complementary contributions by  
Eszter Bánffy and João Luís Cardoso.



## Avant-propos

Le volume 3 contient les communications données dans le cadre d'un symposium organisé par l'Académie Internationale de Préhistoire et de Protohistoire à l'Institut de Paléontologie Humaine à Paris, le 3 juin 2023. Le thème choisi "Déterminismes dans les sociétés préhistoriques : changements climatiques, environnements, contraintes fonctionnelles et traditions culturelles » s'inscrit dans le cadre du Projet 'Sociétés humaines face aux changements climatiques » soutenu par l'Union académique Internationale (UAI).

Douze communications ont été données en présentiel et en distanciel, listées ci-dessus.

La publication a reçue le renfort de deux contributions complémentaires d'Eszter Bánffy et João Luís Cardoso.

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