

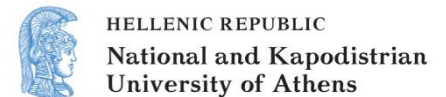
# Erasmus+ PECUS

## European landscapes of transhumance

Yiannis Papadatos & Tina Kalantzopoulou  
National & Kapodistrian University of Athens

**Final project conference**

Universidad Pablo de Olavide  
Sevilla, 14 June 2022



# The application of FCM to approach prehistoric pastoralism

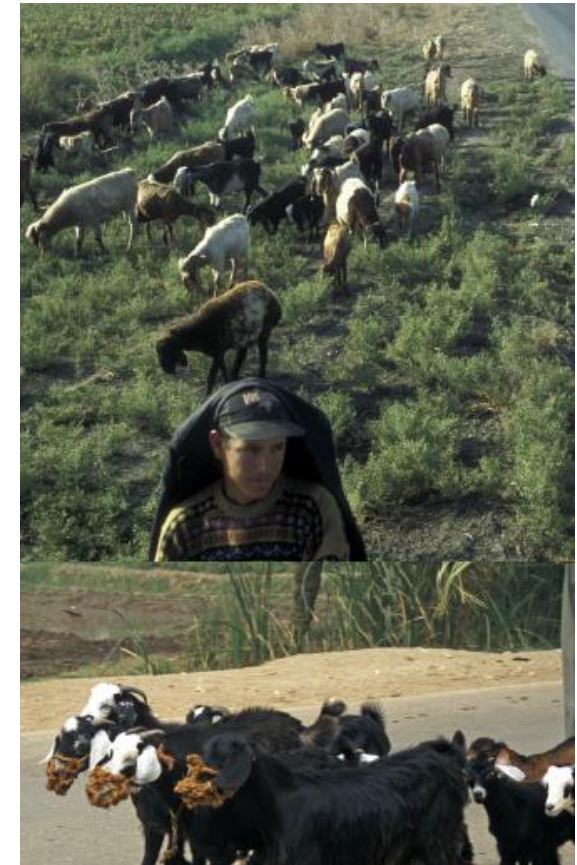
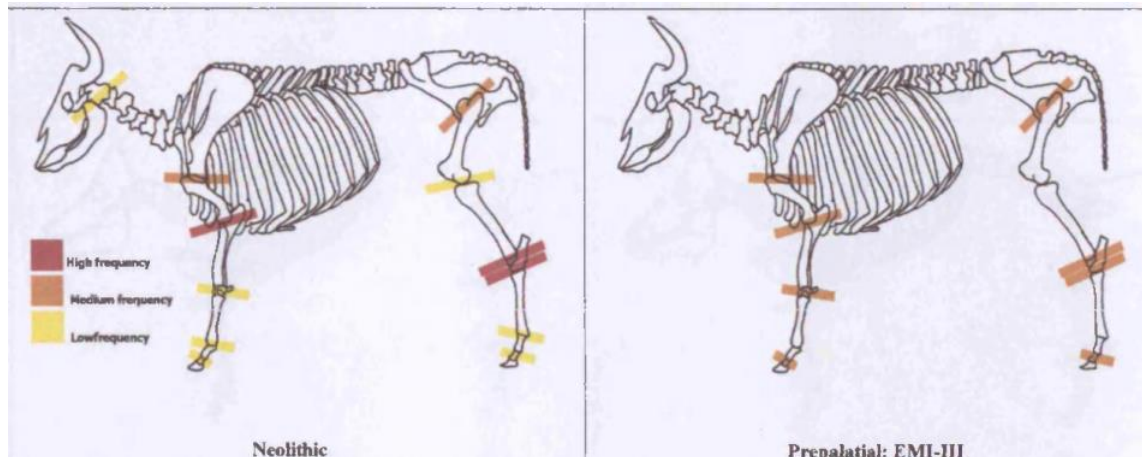
## The experience from the NKUA

### Local course:

Organization of a postgraduate seminar for Master's students of Prehistoric Archaeology - 15 ECTS

### Title of the Seminar:

The Primary Sector of Economy and its importance for the prehistoric societies of the East Mediterranean



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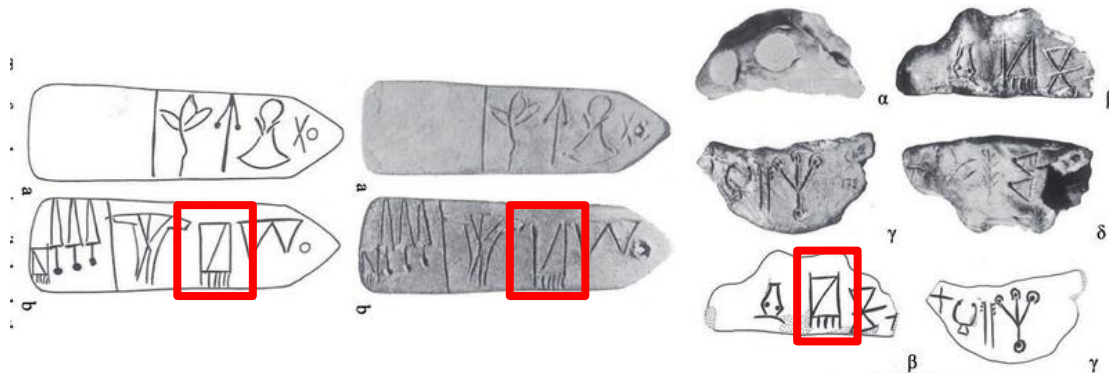
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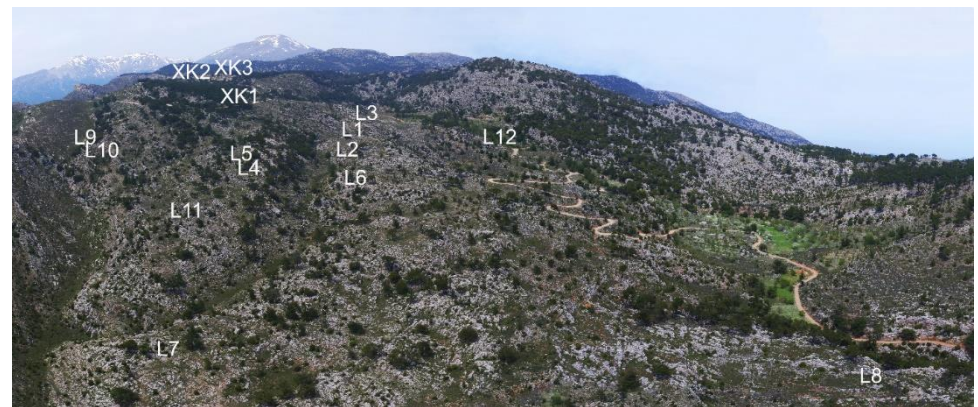


# The application of FCM to approach prehistoric pastoralism

## The experience from the NKUA

Subject of the Essays:

- The importance of surplus for the sociopolitical developments of prehistoric societies
- Land exploitation and land ownership in Mediterranean prehistory
- The introduction of the Mediterranean poly-culture and its social implications
- Pastoralism and the exploitation of the mountains in prehistory
- Transhumance in prehistory
- Settlement patterns as evidence for the exploitation of the landscape

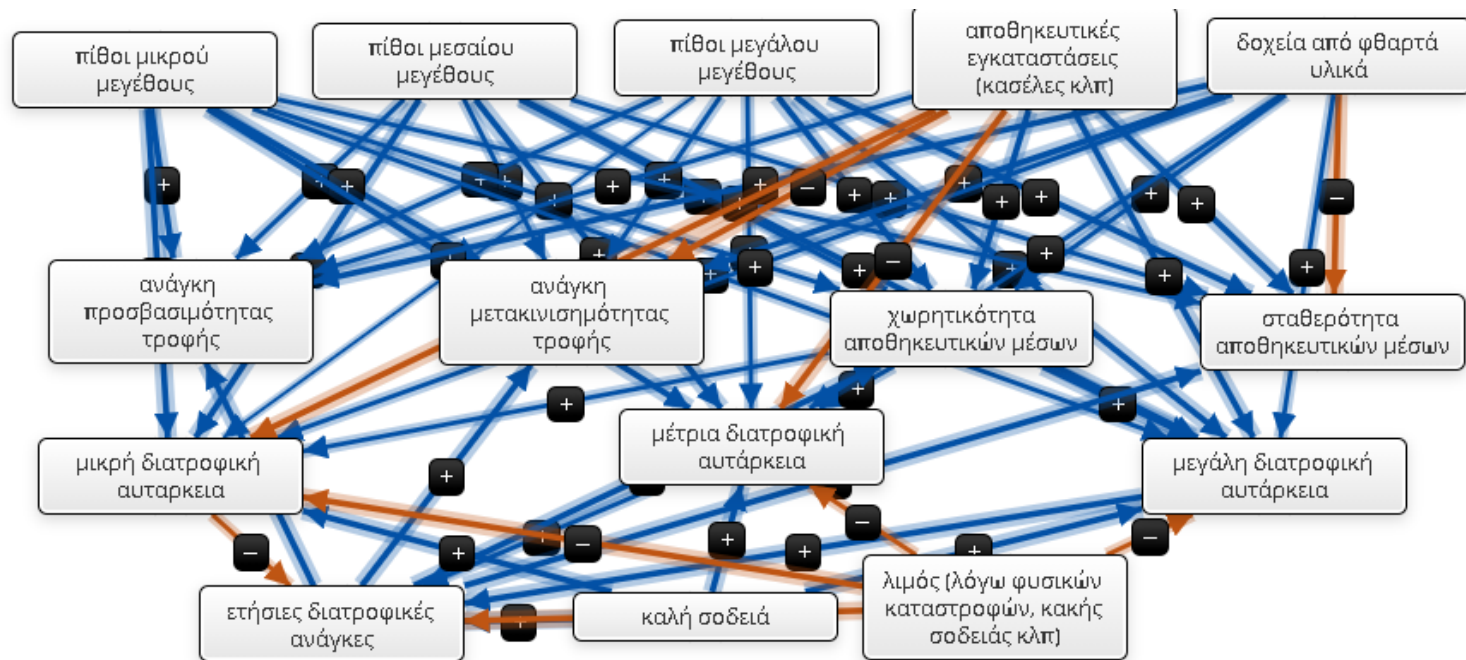


# The evaluation of the application of FCM

## The experience from the NKUA

Advantages:

1) It helped students to become familiar with complex subjects and understand how many different factors may affect multifarious phenomena



# The evaluation of the application of FCM

## The experience from the NKUA

Advantages:

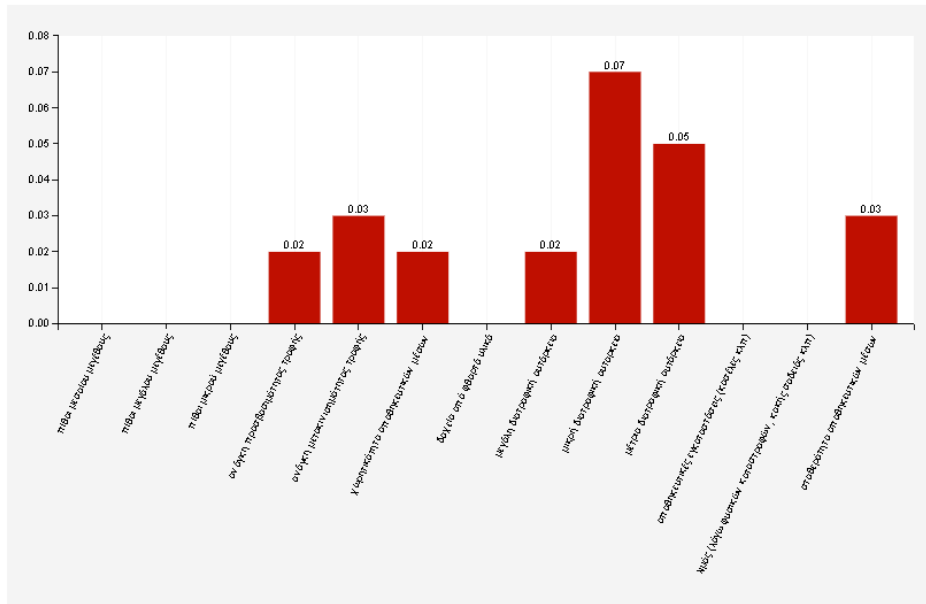
2) It allowed students to test many different assumptions and working hypotheses through the use of various scenarios, in order to overcome the inherent problems of the fragmented material evidence of prehistory.

Scenario

Sigmoid

State Prediction: 0%

<input checked="" type="checkbox"/>	δοχεία από φθαρτά υλικά			
<input checked="" type="checkbox"/>	μεγάλη διατροφική αυτάρκεια			Increase
<input checked="" type="checkbox"/>	μικρή διατροφική αυτάρκεια			Increase
<input checked="" type="checkbox"/>	μέτρια διατροφική αυτάρκεια			Increase
	ετήσιες διατροφικές ανάγκες	1		
<input checked="" type="checkbox"/>	αποθηκευτικές εγκαταστάσεις (κοσμάδες κλπ)			
	καλή σοδοαία	1		
	λιμός (λόγω φυσικών καταστροφών, κακής σοδοαίας κλπ)			
<input checked="" type="checkbox"/>	σταθερότητα αποθηκευτικών μέσων			Increase

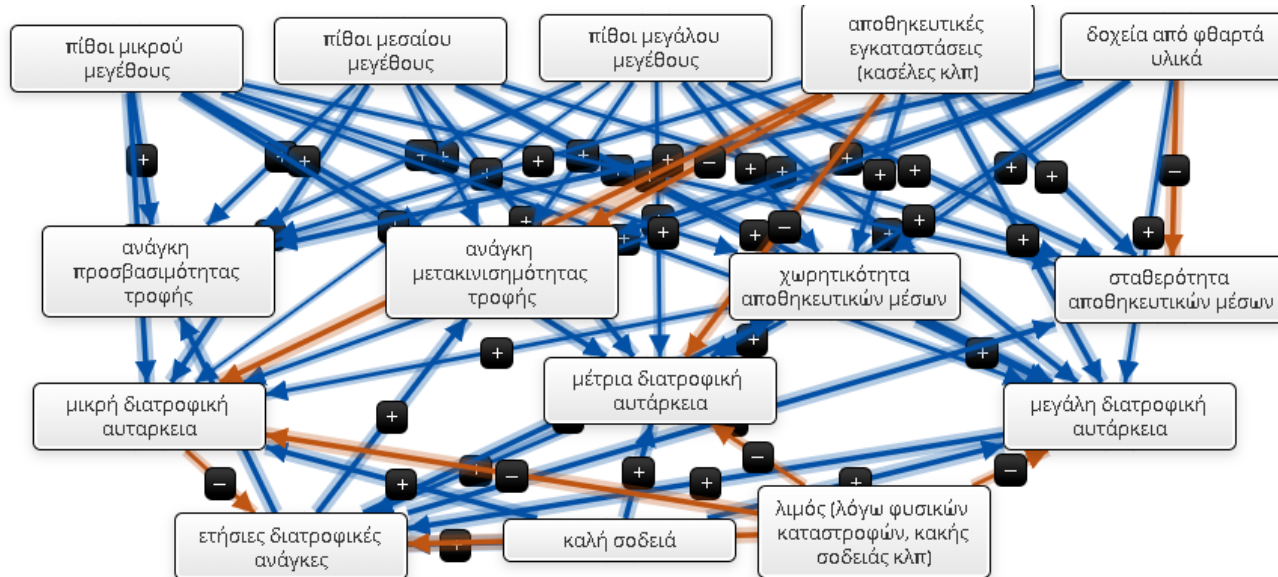


# The evaluation of the application of FCM

## The experience from the NKUA

Advantages:

3) The possibility to work with current, well-known issues (e.g. domestic violence, pandemics, etc.) , helped to understand that fuzziness and complexity are not limited to poorly-known prehistoric phenomena, but extends also to modern phenomena



# The evaluation of the application of FCM

## The experience from the NKUA

Advantages:

4) Since online courses were unavoidable, it proved an excellent tool to engage student in the teaching/learning process, causing excellent discussions and debates, to an otherwise rather passive audience of students.

5) Suitable tool for interdisciplinary international collaboration, when the background of the participants is diverse, as seen in the Valencia Workshop (February 2022)

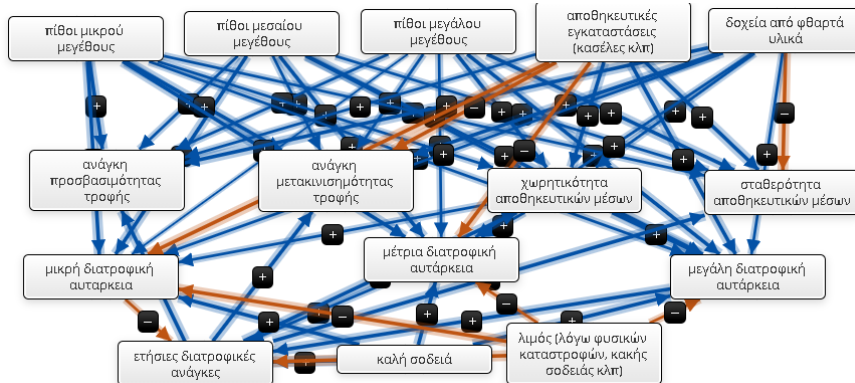


# The evaluation of the application of FCM

## The experience from the NKUA

Problems:

1) FCM is NOT a tool suitable and useful for academic research, at least not in archaeology, because it cannot be used as a scientific argument in order to prove theories, ideas or archaeological interpretations

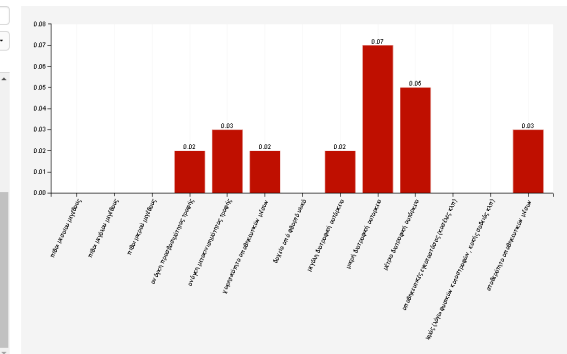


Scenario

Sigmoid

State Prediction: 0%

<input checked="" type="checkbox"/>	δοχεία από φθαρτά υλικά			
<input checked="" type="checkbox"/>	μεγάλη διατροφική αυτάρκεια			Increase
<input checked="" type="checkbox"/>	μικρή διατροφική αυτάρκεια			Increase
<input checked="" type="checkbox"/>	μέτρια διατροφική αυτάρκεια			Increase
<input type="checkbox"/>	ετήσιες διατροφικές ανάγκες	1		
<input checked="" type="checkbox"/>	επιπλέον απαιτήσεις εγκαταστάσεις (κασέλες κλπ)			
<input type="checkbox"/>	καλή σοδειά	1		
<input checked="" type="checkbox"/>	λιμός (λόγω φυσικών καταστροφών, κακής σοδειάς κλπ)			
<input checked="" type="checkbox"/>	σταθερότητα αποθηκευτικών μέσων			Increase



## Erasmus+ PECUS

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