

# Archaeology, Environment, Complexity

Collaboration between archaeology and science has always been extraordinarily fertile, contributing significantly to the understanding of historical processes and stimulating research and application to the study of complex scientific phenomena recorded in the field of archaeology and in the research on the origins of life (archaea bacteria). An intention in proposing this chair was to recognize an interesting new chapter of this alliance. Research into the traces of past activity, like a plot to decipher, persists in different environmental matrices as different forms of contamination, revealing precious historical information. At the same time, past activity can also provide information on sources of environmental contamination and how they spread. Environmental and ecological modelling can be useful to describe and interpret the complexity of these data. A further lesson that can be drawn from this type of research is closely linked to the sustainability of human exploitation of land and resources. Loss of natural resources can be a consequence of activities that had irreversible impact in the course of history.

## Sven Erik Jørgensen

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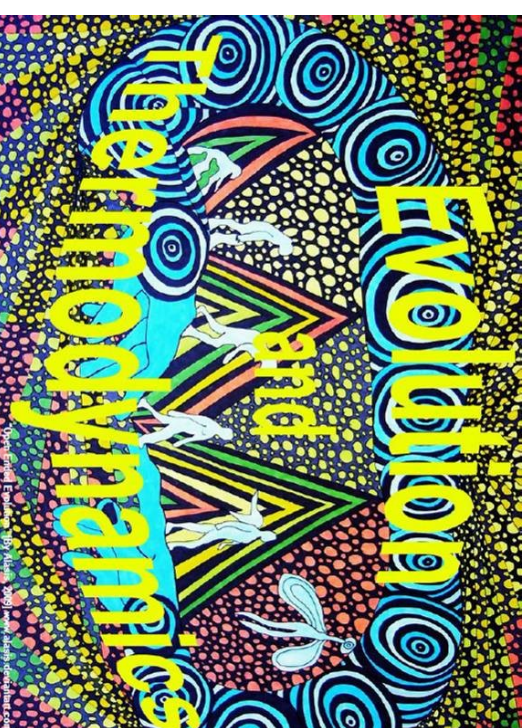


UNIVERSITÀ DEGLI STUDI DI SIENA

- *Riccardo Francovich: Medieval History and Archaeology, Institutions and Archives* -
- Environmental Sciences and Technologies -
- Chemical Sciences -

## Innovative scientific methods in archaeological and environmental studying

October 2010



Con il contributo di



FONDAZIONE  
MONTE DEI PASCHI  
DI SIENA

# **Thermodynamics and Ecology**

*Course Director: Sven Erik Jørgensen*

**28 October 2010**  
h. 15.00

**2 November 2010**  
h. 15.00

**4 November 2010**  
h. 15.00

All lessons and seminars will be held in Auditorium  
Collegio Santa Chiara, Via Valdimontone 1

Chair in **Archaeology, Environment,**

**Complexity**  
**Prof. Sven E. Jørgensen**

