

# “HARD SCIENCES”, HISTORY AND ARCHAEOLOGY OF THE MIDDLE AGES: TOWARDS NEW PARADIGMS?

“SCIENZE DURE”, STORIA E ARCHEOLOGIA DEL MEDIOEVO:  
VERSO NUOVI PARADIGMI?

## May 26th

10.00 – *Institutional Welcomes*

10.30 – Alessandra Molinari  
*Introductory remarks*

### ENVIRONMENT, CLIMATE AND AGRICULTURE

11.00 – Adam Izdebski, A. Masi  
*What to do with the new sciences of the past?  
A social-ecological systems approach to history*

11.30 – Kristina Sessa  
*Writing Cultural History with Palaeoscience:  
An Argument Against Consilience*

12.00 – Girolamo Fiorentino  
*Recent advances in archaeobotanical research  
and new challenges in Medieval archaeology*

12.30 – 13.30 Discussion

13.30 – 15.00 Lunch

### MULTIDISCIPLINARY APPROACHES

15.00 – Juan Antonio Quirós Castillo  
*Il “scientific turn” delle discipline storiche sul  
medioevo alla luce della esperienza del  
programma di ricerca di Alava (2005-2022)*

15.30 – Giovanna Bianchi  
*Two Tuscan lagoon environments between the  
Early and Central Medieval period: an example of  
integrated approach between archaeology and the  
hard sciences*

16.00 – Enrico Giannichedda  
*Scienze dure e ventre molle*

16.30 – 17.00 Coffee Break

17.00 – Michael McCormick  
*The Initiative for the Science of the Human Past and  
the Max Planck- Harvard Research Center for  
Archaeoscience: Ideas, structures, projects*

17.30 – 18.30 Discussion

## May 27th

### HEALTH, DIET, GENEALOGY

9.30 – Martin O.H. Carver, Oliver Craig  
*Joined-up analysis: what life sciences do and don't tell  
us about the dead*

10.00 – A.Bini, A.L. Smith, M. Milanese  
*Bioarchaeological approach to human remains from  
cemetery areas to reconstruct a new biological  
history of the medieval Sardinian population*

10.30 – Zuzana Hofmanova  
*Interdisciplinarity on an example of archaeogenetic  
research of Early Middle Ages*

11.00 – Coffee Break

11.30 – Alessandra Pecci  
*Interpreting the results of organic residue analysis*

12.00 – 13.00 Discussion

13.00 – 15.00 Lunch

### PRODUCTION AND EXCHANGE: POTTERY AND GLASS

15.00 – Yona Waksman  
*From carefully designed research to serendipity,  
and back*

15.30 – Claudio Capelli, Roberto Cabella  
*L'apporto delle analisi petrografiche delle ceramiche  
alla ricostruzione dei percorsi delle merci, delle  
persone e delle idee*

16.00 – Elisabetta Neri  
*Hard sciences on glass materials: towards historical  
and archaeological markers*

16.30 – 17.00 Coffee Break

17.00 – 18.00 Discussion

18.30 – Chris Wickham  
*Concluding Remarks*

**Comitato scientifico:**

**Alessandra Molinari e Chris Wickham**

