



Università  
Ca' Foscari  
Venezia

Dipartimento di Filosofia  
e Beni Culturali

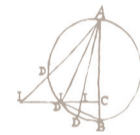


European Research Council

Established by the European Commission

**FARE**  
RICERCA IN ITALIA

FRAMEWORK PER L'ATTRAZIONE E IL RAFFORZAMENTO  
DELLE ECCELLENZE PER LA RICERCA IN ITALIA



MPIWG  
MAX PLANCK INSTITUTE  
FOR THE HISTORY OF SCIENCE



Sonderforschungsbereich 980  
EPISTEME IN  
BEWEGUNG

**April 29, 2021**

**Organizers:**

**Helge Wendt**, Max Planck Institute for the History of Science Berlin / CRC 'Episteme in Motion', Freie Universität Berlin

**Pietro Daniel Omodeo**, Ca' Foscari University of Venice, Department of Philosophy and Cultural Heritage  
Max Planck Partner Group "The Water City" (Max Planck Society / MPI for the History of Science - Berlin)

ERC "EarlyModernCosmology" (Horizon 2020, GA 725883)

Project "EarlyGeoPraxis" (FARE, Italian Ministry of University and Research)

**For questions, the link of the event and registration, please contact:**

Helge Wendt

[hwendt@mpiwg-berlin.mpg.de](mailto:hwendt@mpiwg-berlin.mpg.de)

Pietro Daniel Omodeo

[pietrodaniel.omodeo@unive.it](mailto:pietrodaniel.omodeo@unive.it)

Image: Miniera Villandero / Villanders  
<https://bergwerk.it/>

**Workshop ERC EarlyModernCosmology  
and FARE EarlyGeoPraxis project**

Interactive Online Seminar with mandatory registration

**Natural Resources in Early  
Modern Economies of Knowledge**

9:30

**Welcome and Introduction**

9:40-10:20

**Tina Asmussen** (Deutsches Bergbau-Museum Bochum / Ruhr-Universität Bochum)

**Mining and Resource Oeconomies in the Early Modern Period: A History of Vertical Entanglements**

10:20-11:00

**Sebastian Felten** (University of Vienna)

**Georg Donat's ludicium Astrologicum (1642) for Marienberg: Timing and Mining in an Early Modern Town**

11:10-11:50

**Helge Wendt** (Max Planck Institute for the History of Science Berlin / CRC 'Episteme in Motion', Freie Universität Berlin)

**The Origin of Coal: Earth History in Early Modernity**

11:50-12:30

**Joshua Hillman** (University of Leeds)

**Artisanal Insight and the Knowledge Economy of Coal in Eighteenth-Century Europe**

13:40-14:20

**Francesco Luzzini** (Max Planck Institute for the History of Science Berlin)

**'The First and Proper Companion of Mines': Water and Ore Fermentation in Biringuccio's De la pirotechnia (1540)**

14:20-15:00

**Volkhard Wels** (CRC 'Episteme in Motion', Freie Universität Berlin) **Thurneysser on Water and Urine**

15:00-15:40

**Simon Brandl** (CRC 'Episteme in Motion', Freie Universität Berlin)

**Chemical Mysticism in Daniel Mögling's Speculum Sophicum Rhodostauroticum**

15:50-16:30

**David Gentilcore** (Ca' Foscari University of Venice)

**The politics of freshwater management in early modern Italy: Naples, Rome, Venice**

16:30-17:10

**Pietro Daniel Omodeo** (Ca' Foscari University of Venice)

**Fishing and Water Politics in Early Modern Venice**

17:10-17:30 Roundup



Guests hosted by the ERC  
EarlyModernCosmology GA 725883  
and the FARE EarlyGeoPraxis  
project ID R184WNSTWH



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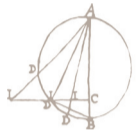


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## Workshop ERC EarlyModernCosmology and FARE EarlyGeoPraxis project

Interactive Online Seminar with mandatory registration

# Natural Resources in Early Modern Economies of Knowledge

This workshop will focus on two resource groups: Water in urban and planetary contexts and mineral and metallic resources in mining contexts. Presentations will address the use of resources as well as their conceptualization as parts of a “nature” redefined from the perspective of resource exploitation in the early modern period. In terms of knowledge history, the workshop aims to understand the assimilation process in relation to the respective contexts and the respective resources. At the same time, this resource-related knowledge will be placed in tension with a (post-)Copernican understanding of planetary contexts and a planetary unity in the consideration of an early modern construction of nature. Thus, human agency with respect to natural processes and conditions is also included in a comprehensive dimension of the workshop’s considerations. Water management and mining are forms of early modern “geoengineering” and link resource management to planetary theories of nature. Thus, these areas are early, effective and irreversible interventions in nature, as described by the Anthropocene in the twentieth century with the help of large-scale technology. Therefore, the workshop seeks to also trace the idea of a Protoanthropocene that comprises aspects of practice, domination, and epistemology in socio-natural environments.

