

Digitising (Historical) Patterns of Power

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CASE STUDIES GEOCOMMUNICATION DIGITALISATION REPOSITORY TEAM CONTACT



DIGITISING PATTERNS OF POWER (DPP) Peripherical Mountains in the Medieval World

The project focuses on the analysis of the depiction of space in medieval written sources, of the interaction between built and natural environment, of appropriation of space and the emergence of new political, religious and economic structures of power. DPP compares four regions of the medieval world: the Eastern Alps (6th-12th cent.), the Morava-March Region (6th-11th cent.), the historical region of Macedonia (12th-14th cent.) and historical Southern Armenia (Vaspurakan, 5th-11th cent.).

Historical and archaeological data will be digitised, combined and geo-referenced with the help of tools deriving from Digital Humanities (data basis - using the OpenAtlas database, geovisualisation and spatial analysis, quantitative and correspondence analysis).

Data and results will be presented online as open access and linked to other data repositories.



Case Studies

will investigate patterns of power in selected areas of the european middle ages.

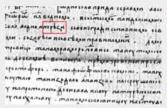
...learn more



Geocommunication

In four Case Studies the project In cooperation with the Institute of Geography at the University of Vienna, the Case Studies can be experienced online via a geovisualisation.

...learn more



Digitalisation

In two case studies, manuscripts and editions will be digitized, geotagged and connected with the geovisualisation. ...learn more



Repository

All the collected data will be searchable via an online database. Additionally, shapefiles, KML and articels can be downloaded.

...learn more









Involved Institutions

- Austrian Academy of Sciences
 - Institute for Mediaeval Research
 - Archaeology
 - Mediaeval History
 - Byzantine Studies
 - Project lead
- University of Vienna
 - Department of Geography and Regional Research
 - Cartography and Geocommunication





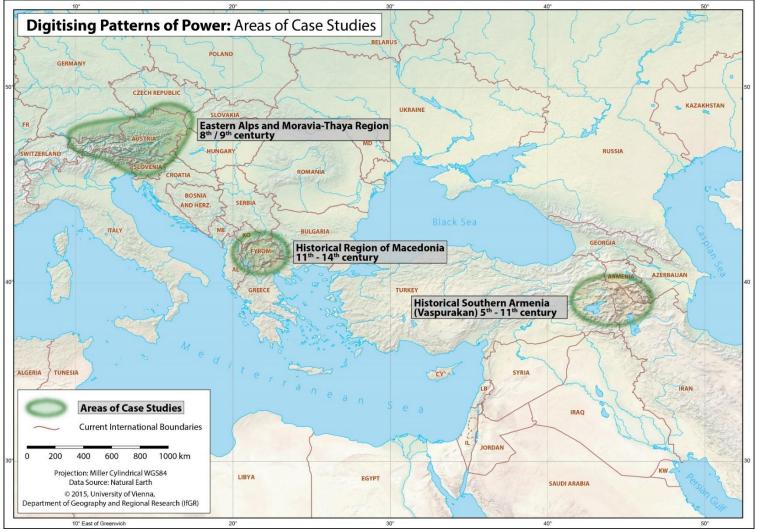








Case Studies: Representation of Space in Mediaeval Texts



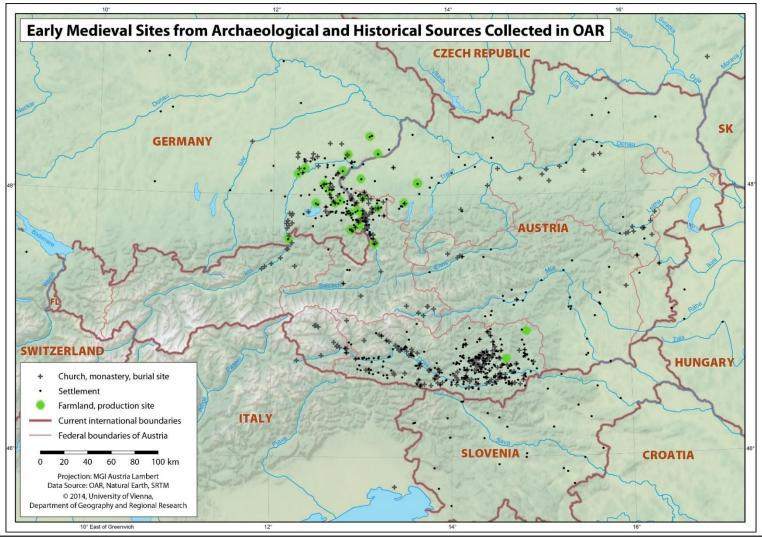








Patterns of Power: Appropriation of Land and Areas of Influence



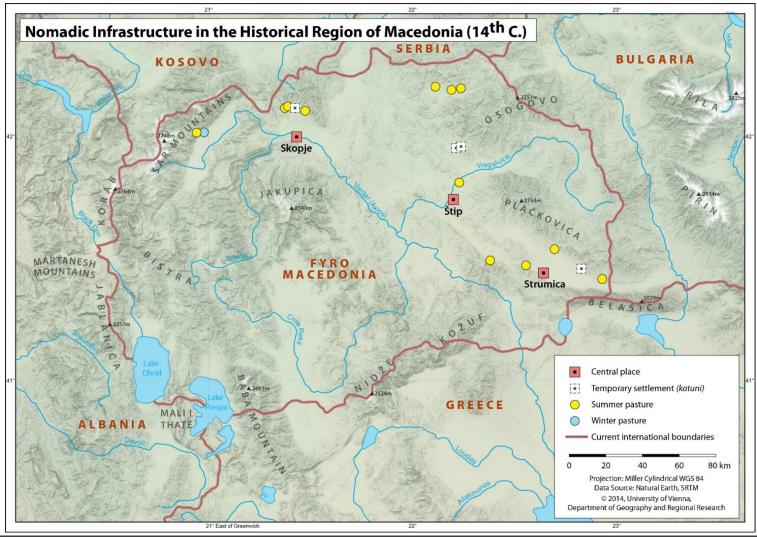








Patterns of Power: Central Places and Infrastructure



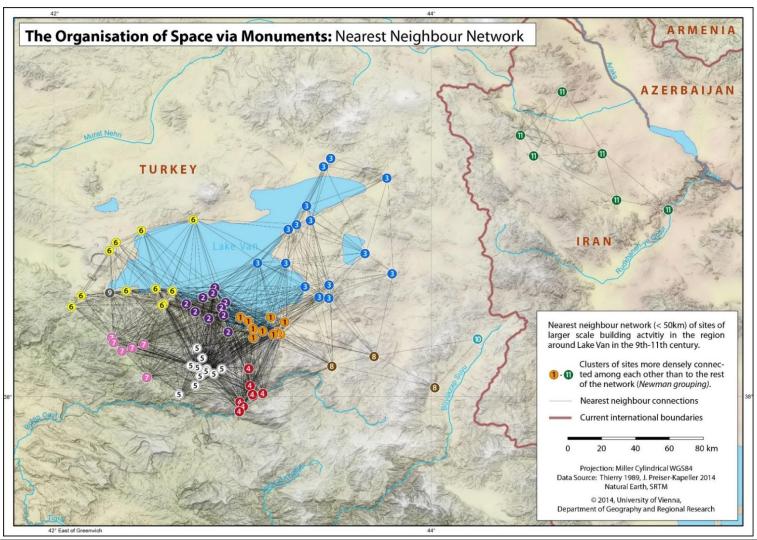








Patterns of Power: Power Structures











Cartography and Geocommuncation

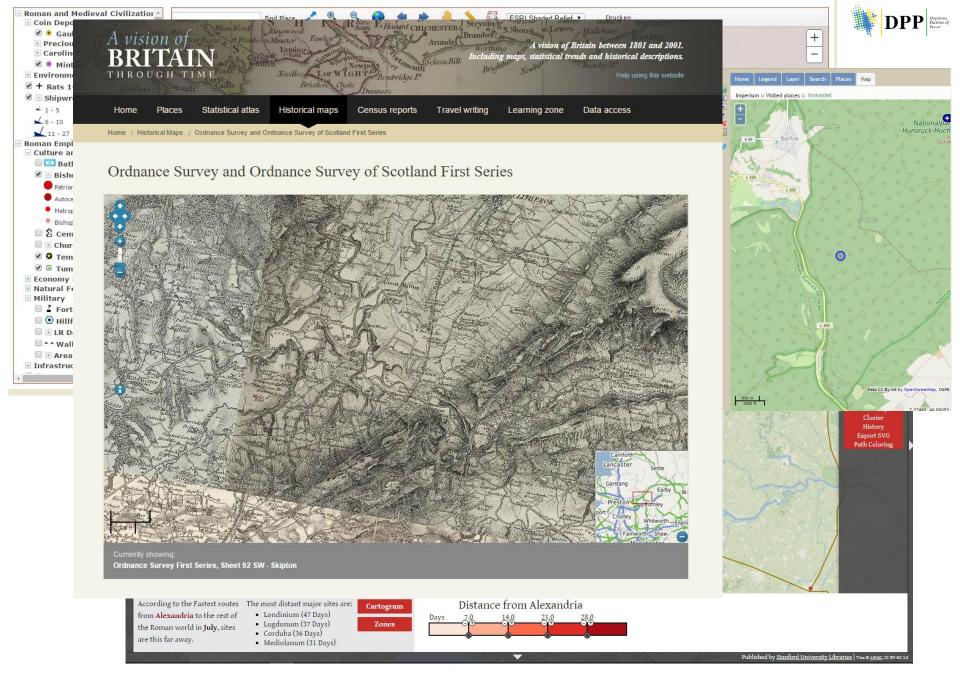
- Map centred online application
 - High quality base map, specific to the research project
- Representation of uncertainty

- Story maps
 - Representation of predefined topics













Database

- Entities taken from written sources
 - Actors
 - Locations
 - Documents
 - Events
- Archaeological remains
- Relations between entities
- Temporal and spatial uncertainty



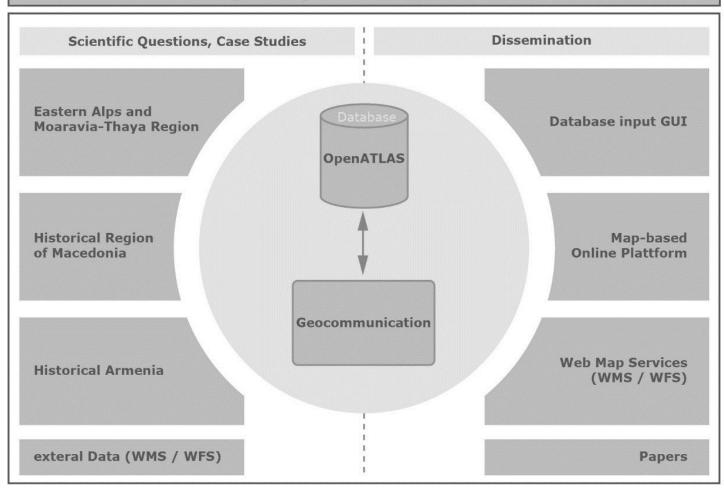






Project Structure

Digitising Patterns of Power











Challenges

Visualisation of various entities

- Inhomogeneous certainty of data
 - Representation in different scales

Usability vs. performance vs. flexibility









Thank You For Your Attention!

Homepage: http://dpp.oeaw.ac.at/

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