ARCHAIDE

Big Archaeological Data.
The ArchAIDE project approach.

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MAPPA Lab

i s a research Lab of the University of Pisa, in which archaeologists, mathematicians and geologists deal with:
• mathematical models for archaeology (www.mappaproject.org)
• open data (www.mappaproject.org/mod)

and now they are starting to explore risks and potentiality of a Big Data approach to archaeology.

ARCHAIDE

"Archaeology is a place within the social sciences and Humanities where the nature of the work deals with Big Data"

As archaeologists, we are well-aware that it is easier to create new datasets than transform old ones.

From digitisation….

Digitisation has changed archaeology deeply. It has boosted the volume of data that can be analysed.
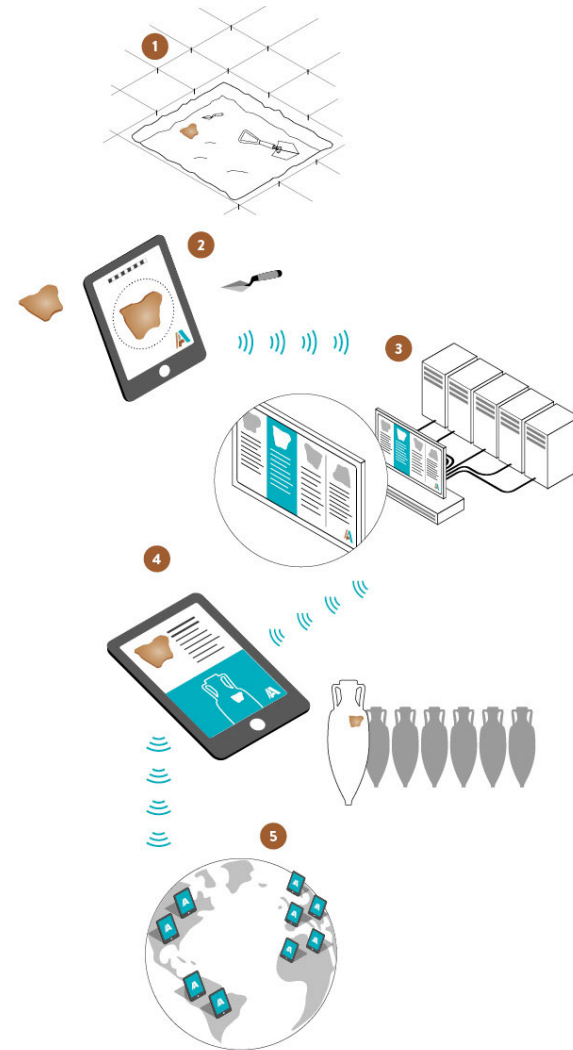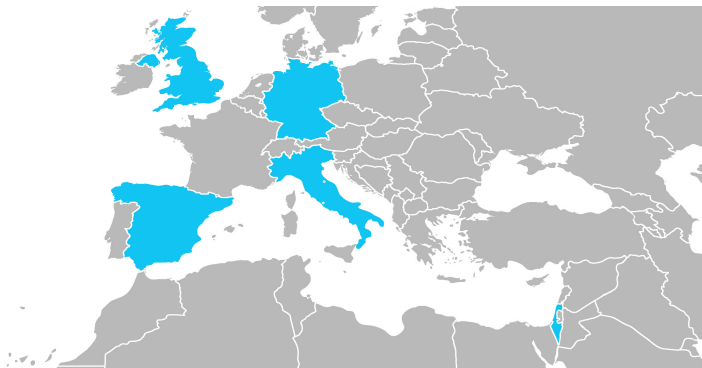
….to datafication

- to transform objects, processes, etc. in a quantified format so they can be tabulated and analysed.
- to record new information;
- to produce a constant flow of data, starting from the data produced by archaeological practice, such as locations and relationships between finds and sites, that the archaeological community should have available with minimum time delay, to process again and again.
- to fit Big Data approach and permit mathematical analyses to identify non-linear relationships

These new data can modify the way we conduct our analyses, increase our capacity to process and **visualise** information in novel ways, and more decisively, provide new ways of doing archaeological research.

The ArchAIDE project goes exactly in this direction.

ARCHAIDE
ARCHAELOGICAL
AUTOMATIC INTERPRETATION
AND DOCUMENTATION
OF CERAMICS

[www.archaide.eu]

Goals

ArchAIDE aims to support the classification and interpretation work of the archaeologists with innovative computer-based tools, able to provide the user with features for matching of each discovered sherd over the huge existing ceramic catalogues.
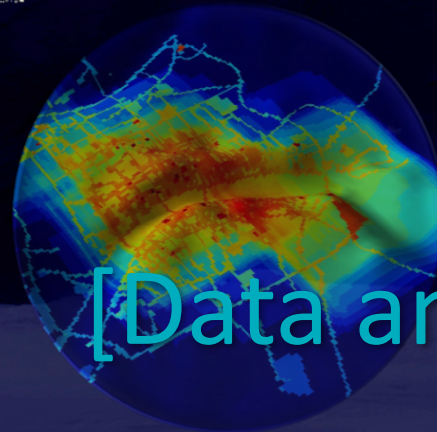

from ⟶ **to**

[algorythms]

[Data Visualisation]

[Distribution Map]

PISA

[Data analysis]

[Thank you for your attention]

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