

DEFCC



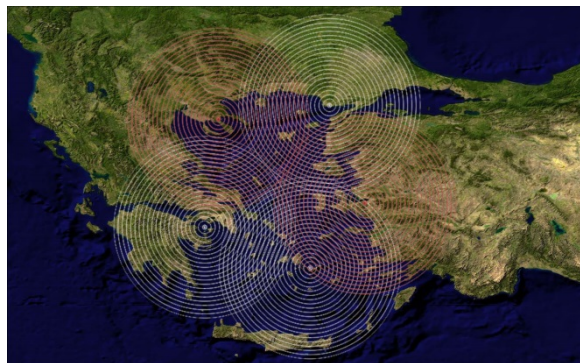
Digitizing Early Farming Cultures: Making new use of digital and analogue resources from Neolithic sites in Greece and Anatolia

Edeltraud Aspöck, Anja Masur, Seta Štuhec, Peter Andorfer, Ksenia Zaytseva

Overcoming the fragmentation of research on Neolithic and Chalcolithic sites and finds in Greece and Western Anatolia (7000-3000 BC)

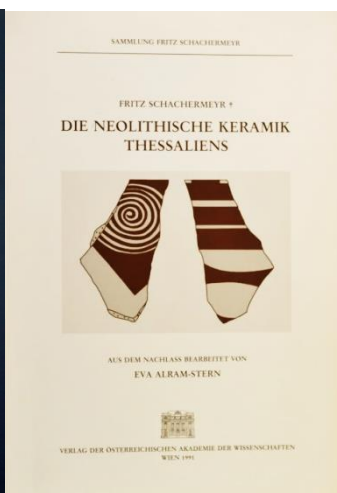
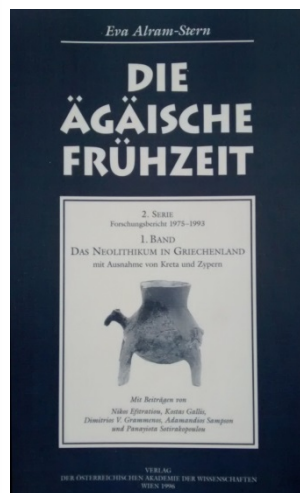
- Creation of a standardized and integrated research dataset.
- Digitization of analogue OREA resources.
- Make the data available open access online.





OREA – Research Group: Anatolian Aegean Prehistoric Phenomena (AAPP)

Analogue



Databases (pottery and site databases)

Prähistorisch

KIN: A 325 76 Objektnummer: 1 AKM: 1634

Gattung: Tafel

Form: Flasche Rand: ausgehöhlt Griff: Katalognummer: RS-WS

Teil: RS-WS

Dm: 46 Ton: Farbe außen: 7.5 YR 6/6 rot gelb Farbe Kern: 10 YR 5/2 braungrau

Höhe: Farbe innen: 10 YR 5/2 braungrau Beschreibung: C-Analyse

Wandstärke: 0.4

Oberfläche: Schlämme innen: Schlämme außen: Beschreibung:

Überzug: Farbe: Beschreibung:

Glättung innen: Polier innen: Glättgestr. innen: Glättung außen: Polier außen: Glättgestr. außen:

Beschreibung: Oberfl. Abgerieben

Firing clouds: Dekor: Beschreibung:

Zeitstellung: halbtomif Zeichnung: Photo:

erc - Fundort-Datenbank (zuletzt bearbeitet von: Schwall) Datensatz löschen

Fundort: **Longos Sotiris (Epirus)** zeitl. them. Schwerpunkt: MC/SC

Zeitstellung

| | | | |
|----------------------------|-------------------------------|-------------------------------------|-------------------------------|
| (PPN) 8000-7500 BC | <input type="checkbox"/> 14°C | (Frühchalcolithikum) 6000-5500 BC | <input type="checkbox"/> 14°C |
| (PPN/Ne) 7500-7000 BC | <input type="checkbox"/> 14°C | (Mittelchalcolithikum) 5500-4250 BC | <input type="checkbox"/> 14°C |
| (Neolithikum) 7000-6500 BC | <input type="checkbox"/> 14°C | (Spätchalcolithikum) 4250-3000 BC | <input type="checkbox"/> 14°C |
| (Neolithikum) 6500-6000 BC | <input type="checkbox"/> 14°C | (Frühbronzezeit I) 3000-2750 BC | <input type="checkbox"/> 14°C |

Keramik | Lithik | weitere Funde | Siedlungsstruktur | Wirtschaft | Bestattungswesen | Architektur - Bautypen | Archälektur - Baustruktur

charakteristische Typen: mat-pressed pottery Menge: wenig

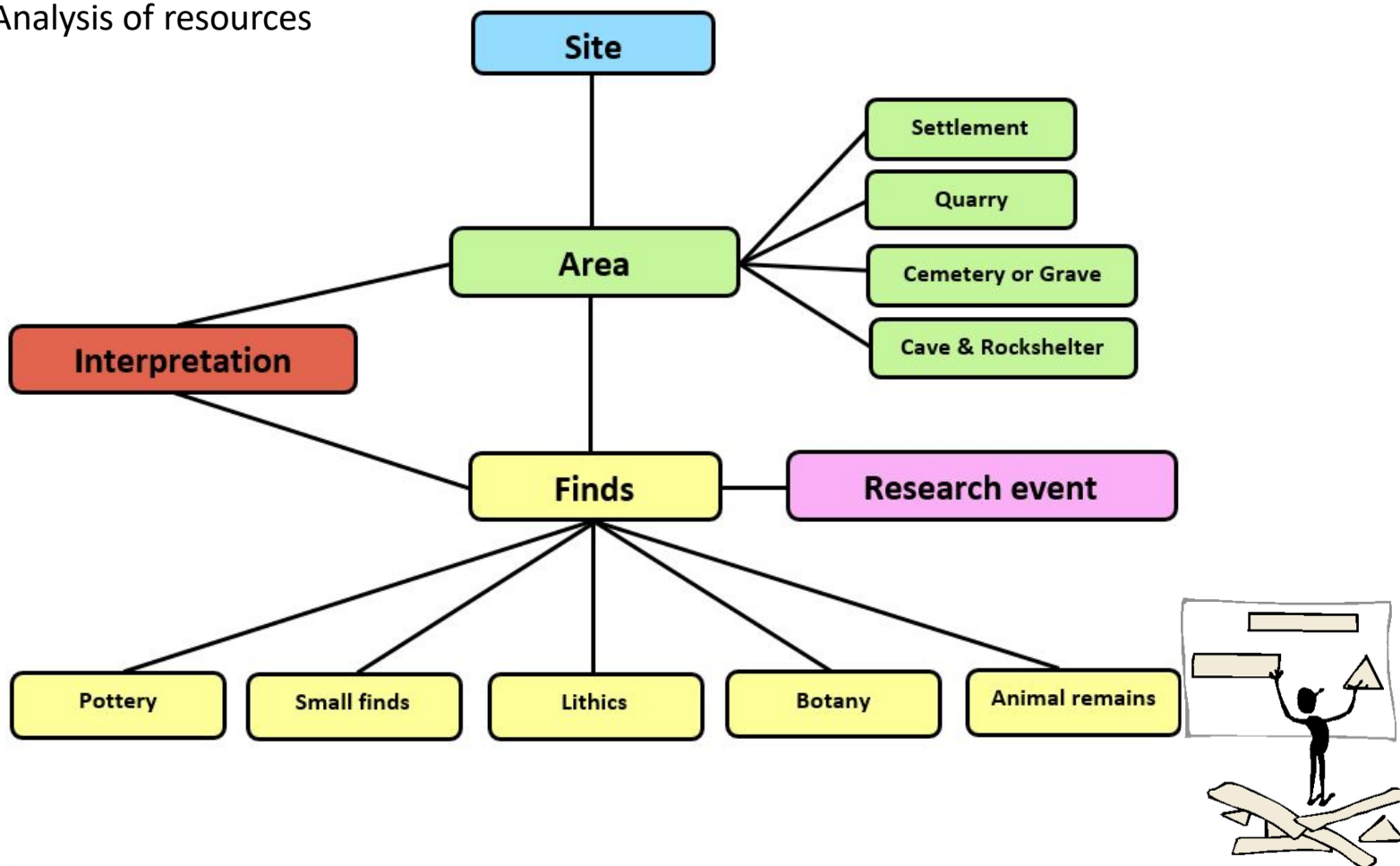
charakteristische Typen: Menge:

Schachermeyr pottery collection



→ Creation of a conceptual data model

- Focus group meetings with AAPP research group
- Analysis of resources



- Data stored in MySQL database
- Web-based application (runs in the browser, installation is not needed)
 - *Data Curation* via user friendly interface based on web forms
 - Most of fields are related to controlled vocabularies for data consistency
 - dropdown lists
 - autocomplete fields
 - Granular user management with different read/write rights
 - Real time analysis: e.g. geo-visualization of sites, customized filtering/ordering, more to come...
- All data can be retrieved via RESTful API
- Integrated external Open Access resources: Zotero bibliography and Geonames

Reference

Dris

Nandris J. Some features of neolithic climax societies 1978 Sofia

Renfrew C. The Goulandris Museum of Cycladic and ancient Greek Art 1986

Doumas C. Cycladic art: ancient sculpture and ceramics from the N.P. Goulandris 1979 Washington

Getz-Preziosi P. Five sculptors in the Goulandris collection None

L. Marangou Minoan and Greek Civilization from the Mitsodakis Collection (N.P. Goulandris Foundation) 1992 Athen

Walker, R. B.; Driskell, B. N. Foragers of the Terminal Pleistocene in North America 2007 Nebraska

Additional information on the site not covered in any other field.

Create

Create new Site

In case you are creating a Site which is located in Turkey please take a look at [Archaeological regions of Turkey](#)

• Site with this Name and District already exists

Public
Make this record public or not?

Name
Achilleion
Name of a place in which evidence of past activity is preserved and which represents a part of the archaeological record.

Alias name
Start typing to get suggestions
+

Other name of the site.

Alternative name
Start typing to get suggestions
+

Different spelling of the name of the site.

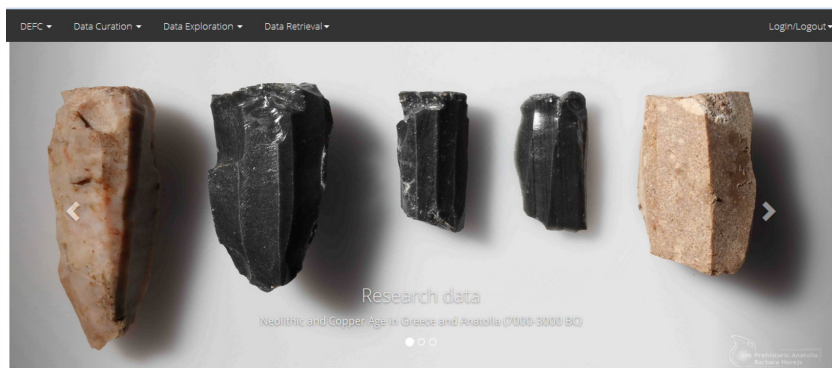
District
Thessaly_Larissa
Geographical area where the site is located.

→ Digitizing analogue resources

→ Data entry into DEFC app.

→ 3D digitization of Schachermeyr pottery collection.

<http://defc.digital-humanities.at/>



Digitizing Early Farming Cultures (DEFC)

The objective of Digitizing Early Farming Cultures (DEFC) is the standardization and integration of archaeological research data from the Neolithic and Copper Age (7000 – 3000 BC) in Greece and Western Anatolia.

Greece and Western Anatolia are two neighbouring and archaeologically closely related regions. However, they have usually been studied in isolation from each other, resulting in fragmented data organized according to different knowledge schemes. Independent terminologies and chronologies have developed, hindering collaborative research. To provide a basis for studying archaeological phenomena collaboratively across the whole region, standardization of research data is required. The aim of this project is to harmonize existing datasets, digitize analogue data from publications and integrate metadata for easy access and data reuse.

Project partners

Site

DEFC / DATA EXPLORATION - SITES / SITE ACHILLEION

Show / Hide all fields

Main Information

| | |
|------------------|------------|
| Site ID | 54 |
| Name of the site | Achilleion |
| District | Larissa |
| Region | Thessaly |
| Country | Greece |
| Topography | inland |
| Exact location | yes |

Bibliography

| | |
|-----------|---|
| Reference | Gimbutas M., Winn S., Shimabuku D., Achilleion: A Neolithic Settlement in Central Greece, 6400-5600 B.C., 1989, Los Angeles Aïram-Stern, Eva, Die Ägäische Frühzeit, 2. Serie, Forschungsbericht 1975-1993, 1. Band. Das Neolithikum in Griechenland mit Ausnahme von Kreta und Zypern, 1996, Wien |
|-----------|---|

Areas in this Site

| | |
|-------|--------------------------------------|
| Areas | ID 80 settlement ID 81 settlement |
|-------|--------------------------------------|

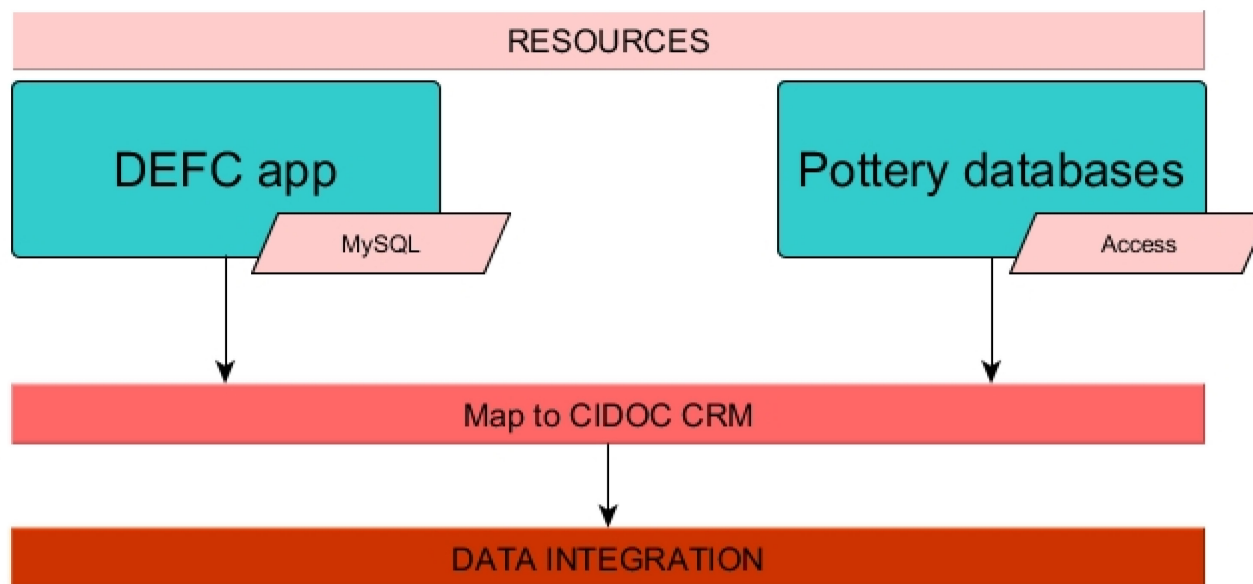
→ FUTURE

→ Data integration

- Mapping DEFC App and pottery databases to CIDOC CRM
- Integration of databases

→ Linked data

- Creation of a triple store with a SPARQL endpoint
- Online open access to dataset





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- Seta Štuhec
- Irene Petschko

Anatolian Aegean
Prehistoric
Phenomena (AAPP)

- Eva Alram-Stern
- Christoph Schwall
- Barbara Horejs

ÖAW ACDH

- Peter Andorfer
- Ksenia Zaytseva
- Matej Durco

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Thank you for your time and attention!