

SEAD - The Strategic Environmental Archaeology Database

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Creator/Principal investigator(s)

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Description

SEAD is an open access multiproxy environmental archaeology and palaeoecology database and software development project. The database contains the raw data from the scientific analysis of archaeological, Quaternary geological and related investigations, mainly from Sweden and Europe, but also to a lesser extent from outside of the EU. The raw data include counts of plant macrofossils, fossil insects and pollen along with geoarchaeological measurements and ceramic analyses. Dating methods stored range from calendar or coinage records, through radiocarbon (14C) and dendrochronology, to broad period definitions. SEAD is built around a flexible modular architecture and can be expanded to cope with any related material. Online/offline interfaces for data entry and extraction are available, including the advanced low level aggregation of data from multiple sites. The project is part of an international network of palaeoecology databases, and includes a large amount of modern reference, calibration and ecological data to aid interpretation.

Purpose:

The primary purposes of SEAD is the dissemination of scientific data from archaeological and palaeoenvironmental investigations. This includes the online publication of grey literature and its associated data (especially from the National Environmental Archaeology Lab in Umeå, Ceramics and Dendrochronology Labs in Lund) as well as databases previously not available online. SEAD also aims to provide powerful interrogation and analysis tools which allow users to identify trends and relationships through a multiple and broad range of datasets for looking at multi-scale environmental and climate change and human impact. SEAD also integrates modern ecology with the fossil data and provides a comprehensive bibliography, methods reference and site metadata.

Data contains personal data

No

Unit of analysis

[Object](#)

[Other](#)

Population

Extensive: Subfossil plant, insect and other species; geochemical and physical properties; dating; archaeological and Quarternary geological samples; taxa

Sampling procedure

The selection method used to import to the SEAD database is based on a peer-review system. Collected materials and data is uploaded to a screening platform where uploaded materials are reviewed and quality assured. At acceptance the material is merged with the public and official database.

Geographic spread

Geographic description: Primarily Europe, some data coverage globally.

Responsible department/unit

Department of historical, philosophical and religious Studies

Research area

[History](#) (CESSDA Topic Classification)

[Geology](#) (Standard för svensk indelning av forskningsämnen 2011)

[Geochemistry](#) (Standard för svensk indelning av forskningsämnen 2011)

[Other earth and related environmental sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Ecology](#) (Standard för svensk indelning av forskningsämnen 2011)

[History and archaeology](#) (Standard för svensk indelning av forskningsämnen 2011)

[Archaeology](#) (Standard för svensk indelning av forskningsämnen 2011)

Keywords

[Environmental changes](#), [Climate change](#), [Insects](#), [Quaternary geology](#), [Subfossils](#), [Plant macrofossils](#), [Pollen](#), [Dating](#), [Dendrochronology](#), [Ceramics](#), [Geoarchaeology](#), [Proxy data](#), [Palaeoecology](#), [Environmental archaeology](#)

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If you have published anything based on these data, [please notify us](#) with a reference to your publication(s). If you are responsible for the catalogue entry, you can update the metadata/data description in DORIS.

Accessibility level

Access to data through an external actor

Access to data is restricted

Homepage

<http://sead.se/>

Contact for questions about the data

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