

Metadata description for schema 1

The following describes the structural metadata for a schema used to map data from separate data compilations. This schema aims mainly at describing counts of faunal distributions. The data fields described below may belong to a data group (named marked by an underscore). The fields are tagged as mandatory or not. If a field is marked as numeric then only numeric values may be entered and a dot should be used to represent decimals. In some cases, text fields may only include entries from a pre-defined list.

The order of the fields respects the position in database table.

ID (numeric): an integer number that is successively assigned to each database entry. (mandatory, assigned when incorporating data into database)

Notes (text): optional notes added by the submitter. To be used only when the added information is not covered by the database fields.

Submitter

Submitter ID (numeric): an integer identifying each data submitter. Can be linked to another database for additional details.

Submitter name (text): name of person or organisation that submitted the data.

Location

Site ID (numeric): an integer number that is automatically assigned to each site entry. (mandatory, assigned when incorporating data into database)

Site (text field): site name by which the site is mainly known. Primarily use the language of the article, but for some names (generally known e.g. Roma/Rome) we encourage to use the English version. If there is another site name, then use the column "other site name". (mandatory)

City (text field): if the site is located within a modern day city, the English name by which the site is known.

Ancient site name (text field): ancient site name by which the site is mainly known

Other site names (text field): other names by which the site is known, modern or ancient, in English or other languages. If several reported, each entry should be separated by a comma or semicolon.

District (text field): English (preferred) or published name of local administrative division.

Region (text field): English (preferred) or published name of wider region.

Country (text field): English name of country.

Other location tags (text field): optional field to list other location tags in English or other language (e.g. district or Region in other languages, name of ancient Roman province, etc.). If several reported, each entry should be separated by a comma or semicolon.

Other location comments (text field): optional text provided by the data submitter concerning submitted location data.

Coordinates

Latitude (numeric): latitude of the centre of the site in decimal values using the same system as Google maps (WGS84). (mandatory)

Longitude (numeric): longitude of the centre of the site in decimal values using the same system as Google maps (WGS84). (mandatory)

Exact location (list: yes or no): if the coordinates of the site are exactly known (e.g. reported by excavators). (mandatory)

Range (numeric): if exact site location is not known, the radius (in km) within which the site is expected to be located. (mandatory)

Altitude (numeric): height above sea level

Site description

General site type (list): general description of site type from list defined by group of experts. Each entry should be separated by a comma or semicolon. (mandatory)

1	Settlement
2	Cemetery
3	Special
4	Road
5	Hoard
6	Random find
7	Not defined

Specific site type (list): specific description of site type from list defined by group of experts. Each entry should be separated by a comma or semicolon. (mandatory)

1	vicus
2	castel
3	villa
4	urban
5	rural
6	settlement
7	cremation
8	inhumation
9	necropolis
10	ritual
11	bath
12	farm

13	kiln
14	church
15	not defined
16	production area

Note to site type (text): optional text provided by the data submitter concerning site description.

Period (list): period tag from a list defined by experts. If several reported, each entry should be separated by a comma or semicolon.

1	Prehistory
2	Republic
3	Imperial
4	Late Antiquity
5	Early Medieval
6	other

Site date min (numeric): minimum chronological range of the site in BCE/CE units. BCE values represented by negative numbers.

Site date max (numeric): maximum chronological range of the site in BCE/CE units. BCE values represented by negative numbers.

Site dating methods (list): dating method from a list defined by experts. If several reported, each entry should be separated by a comma or semicolon.

1	radiocarbon dating
2	dendrochronology
3	thermoluminescence
4	typology
5	stratigraphy
6	numismatics
7	epigraphy
8	comparison with other site or structure

Other comments on location (text): optional text provided by the data submitter concerning site description.

Assemblage information

Assemblage code (text): a code (Site ID First three letters_Assemblage ID) that is assigned to each assemblage. (mandatory, assigned when incorporating data into database)

Total bones in assemblage (numeric): as reported in original study/compilation.

Total number of ribs and vertebra (numeric): if available in the original study/compilation.

Total non-determined fragments (numeric): if available in the original study/compilation.

Total non-determined bones (costa, vertebra, n-d fragments) (numeric): if available in the original study/compilation.

Total bones in assemblage identified to taxa (numeric): as reported in original study/compilation.

Total bones in assemblage identified to taxa - mammals (numeric): as reported in original study/compilation.

Total bones in assemblage for BOS, OVIS/CAPRA, SUS (numeric): as reported in original study/compilation.

Total weight of bones in assemblage (numeric): bone weight percentage as reported in original study/compilation.

Total weight of bones identified to taxa in assemblage (numeric): bone weight percentage as reported in original study/compilation.

Total MNI of taxa in assemblage (numeric): minimum number of individuals as reported in original study/compilation.

Taxa group description (note: entries may be given without numeric values for bone numbers, weight, or percentage since modelling is still possible using presence/absence data)

Class (list): according to standard scientific classification. (mandatory)

1	Mammalia
2	Aves
3	Reptilia
4	Pisces
5	Amphilia
6	Molluscs
7	unidentified

Taxa (list): according to standard scientific classification (can be adapted). (mandatory)

1	Sus scrofa dom.
2	Bos taurus
3	Ovis/capra
4	Capra ibex
5	Ovis aries
6	Capra hircus
7	Bos primigenius
8	Sus scrofa

Common name (list): from a list defined by experts (can be adapted)

1	Aurochs	<i>Bos primigenius</i>
2	Ibex	<i>Capra ibex</i>
3	Cattle	<i>Bos taurus</i>
4	Sheep	<i>Ovis aries</i>
5	Goat	<i>Capra hircus</i>
6	Sheep/Goat	<i>Ovis/Capra</i>
7	Pig	<i>Sus scrofa dom.</i>
8	Dog	<i>Canis familiaris</i>
9	Red deer	<i>Cervus elaphus</i>
10	Fallow deer	<i>Dama dama</i>
11	Boar	<i>Sus scrofa</i>
12	Wild cat	<i>Felis silvestris</i>
13	Badger	<i>Meles meles</i>
14	Fox	<i>Vulpes vulpes</i>
15	Wolf	<i>Canis lupus</i>
16	Brown hare	<i>Lepus europaeus</i>
17	Domestic bird	<i>Aves dom.</i>
18	Wild bird	<i>Aves</i>
19	Fish	<i>Pisces</i>
20	Tortoise	<i>Testudo spp</i>

State of preservation (list): from a list defined by experts.

1	fragments
2	more than half
3	complete

Presence (list: present or absent): it is assumed by default that any faunal entry described in previous fields marks its presence in a certain archaeological context. However, the submitter can emphasise this by marking the fauna as present. The main usefulness of this field is that it allows the submitter to identify absent fauna.

Number of animal bones (numeric): as reported in original study/compilation. (mandatory whenever applicable)

Percentage of animal bones (complete) (numeric): percentage by number of bones as reported in the original study/compilation.

Percentage of animal bones (BOS, OVIS/CAPRA/SUS) (numeric): percentage by number of bones as reported in the original study/compilation. (mandatory whenever applicable)

Bone weight (numeric): bone weight in kg as reported in original study/compilation.

Bone weight percentage (numeric): bone weight percentage as reported in original study/compilation.

MNI (numeric): minimum number of individuals as reported in original study/compilation.

MNI percentage (numeric): bone percentage, according to minimum number of individuals, as reported in original study/compilation.

Notes on MNI calculation (text): optional (i.e. femur, mandibula)

Sample date min (numeric): minimum chronological range **of the sample** in BCE/CE units. BCE values represented by negative numbers. The value to be given follows an hierarchical order: 1) if the direct date range of the samples are known this should be used; 2) if the previous is not available use the context date range; 3) if the previous is not available use the site date range/phase; 4) if the previous is not available use the culture date range. (mandatory)

Sample date max (numeric): maximum chronological range **of the sample** in BCE/CE units. BCE values represented by negative numbers. The value to be given follows an hierarchical order: 1) if the direct date range of the samples are known this should be used; 2) if the previous is not available use the context date range; 3) if the previous is not available use the site date range/phase; 4) if the previous is not available use the culture date range. (mandatory)

Data type: (list): entry (1,2,3, or 4) according to the hierarchical date assignment described for the previous field. (mandatory)

Sample dating methods (list): dating method from a list defined by experts. If several reported, each entry should be separated by a semicolon.

1	radiocarbon dating
2	dendrochronology
3	thermoluminescence
4	typology
5	stratigraphy
6	numismatics
7	epigraphy
8	comparison with other site or structure

Other sample comments (text): optional text provided by the data submitter concerning sample description.

Context (note: identifies hierarchically the context for which the presence of samples and their possible quantification was made)

Sample context description (list): associated to each context number a description of the context according to a list defined by experts. For instance, if quantification was made for an entire site then site description might be “Site”. If quantification was made for a temple context, then “Temple” might be used instead. Each entry should be separated by a comma or semicolon.

1	deposition of dump/midden
2	water pipe/aqueduct
3	water basin
4	unknown type of feature
5	recipient
6	cremation
7	well
8	pit
9	ditch
10	cesspit/latrine
11	inhumation
12	culture layer
13	occupation layer (including former surface)
14	oven
15	post-hole
16	yard/place
17	silo/storage pit
18	ritual feature
19	road drain/gutter
20	wall ditch (belonging to a building)
21	rampart/earthwork/fortification
22	cistern
23	wetland basin

Additional context specification (text): if the previous is insufficient to characterize a context, then the submitter can add here additional descriptions. It is important that this field is only filled in if necessary.

Excavation info

Excavator (text): name(s) of persons/organizations responsible for excavation work. If several reported, each entry should be separated by a semicolon.

Start year (numeric): start year of the excavation relative to the samples being described.

End year (numeric): end year of the excavation relative to the samples being described.

Other excavation information (text): optional text provided by the data submitter concerning the excavation.

Sieving used: (list: yes or no or blank)

References

Study (text): reference using APA citation system of study from which the data originates. (mandatory)

Study DOI (text): reference DOI. (mandatory whenever available)

URL: digital archive of original report: information about online storage

Compilation 1 (text): reference using APA citation system if the data was obtained from an existing compilation study or database. (mandatory whenever applicable)

Compilation 1 DOI (text): DOI for compilation/database. (mandatory whenever applicable and available)

Compilation 2 (text): reference using APA citation system if the data was obtained from an existing compilation study or database. (mandatory whenever applicable)

Compilation 2 DOI (text): DOI for compilation/database. (mandatory whenever applicable and available)

Compilation 3 (text): reference using APA citation system if the data was obtained from an existing compilation study or database. (mandatory whenever applicable)

Compilation 3 DOI (text): DOI for compilation/database. (mandatory whenever applicable and available)

External database URL: URL connection to external database. (mandatory whenever applicable and available)