

# Objects

## TerraLID ID

**ID and name:** O0 terralid\_object\_id

**Provided by:** TerraLID system

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The ID of the object in the TerraLID database.

**Allowed values and other constraints:** t.b.d.

**Example:** t.b.d.

## 1. Collectors

**ID and name:** O1 object\_collectors

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** Details of the creator(s), excavator(s), or other person(s) intellectually responsible for the sample collection.

*with the nine subproperties:*

### 1.1 Role

**ID and name:** B1.1 person\_role

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** The role in which the person is related to the linked information.

**Allowed values and other constraints:** controlled vocabulary

**Example:** Author

### 1.2 First names

**ID and name:** B1.2 person\_name\_first

**Provided by:** data provider, API (ORCID ID)

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The first and middle name(s) of the person.

**Allowed values and other constraints:** free text

**Example:** Jane

### 1.3 Last Name

**ID and name:** B1.3 person\_name\_last  
**Provided by:** data provider, API (ORCID ID)  
**Obligation:** mandatory  
**Occurrences:** 1  
**Definition:** The last name of the person.  
**Allowed values and other constraints:** free text  
**Example:** Doe

#### 1.4 Persistent Identifier

**ID and name:** B1.4 person\_pid  
**Provided by:** data provider  
**Obligation:** recommended  
**Occurrences:** 0–n  
**Definition:** Persistent identifier(s) assigned to the person.

*with the two subproperties:*

##### 1.4.1 VALUE OF PERSISTENT IDENTIFIER

**ID and name:** B1.4.1 person\_pid\_value  
**Provided by:** data provider  
**Obligation:** mandatory  
**Occurrences:** 1  
**Definition:** A persistent identifier assigned to the analysed material.  
**Allowed values and other constraints:** Valid persistent identifier according to B1.4.2 Type of persistent identifier  
**Example:** 0000–0001–2345–678X

##### 1.4.2 TYPE OF PERSISTENT IDENTIFIER

**ID and name:** B1.4.2 person\_pid\_type  
**Provided by:** data provider  
**Obligation:** mandatory  
**Occurrences:** 1  
**Definition:** The type of the persistent identifier.  
**Allowed values and other constraints:** controlled vocabulary

#### 1.5 Affiliation name

**ID and name:** B1.5 person\_affiliation\_name  
**Provided by:** data provider, API (ORCID ID, ROR ID)  
**Obligation:** mandatory  
**Occurrences:** 1–n  
**Definition:** The name of the person's affiliation.  
**Allowed values and other constraints:** free text  
**Example:** Institute of Time Travels

#### 1.6 ROR ID

**ID and name:** B1.6 person\_affiliation\_ror

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** The [ROR](#) of the person's affiliation.

**Allowed values and other constraints:** is valid ROR ID

**Example:** 09af7gtg53

## 1.7 Address

**ID and name:** B1.7 person\_affiliation\_address

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** The address of the person's affiliation.

**Allowed values and other constraints:** free text

**Example:** Teleporter Avenue 123, Ankh–Morpok, United States of Humanities

## 1.8 Mail address

**ID and name:** B1.8 person\_mail

**Provided by:** data provider, API (ORCID ID)

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** The mail address of the person.

**Allowed values and other constraints:** is valid mail address

**Example:** jane.doe@timetravels.int

## 1.9 Website

**ID and name:** B1.9 person\_url

**Provided by:** data provider, API (ORCID ID)

**Obligation:** optional

**Occurrences:** 0–1

**Definition:** The URL of a person.

**Allowed values and other constraints:** is valid URL

**Example:** <https://www.timetravels.int/members/jane-doe>

# 2. Contributors

**ID and name:** O2 object\_contributors

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** Individuals or organizations who have contributed to the resource.

*with the nine subproperties:*

## 2.1 Role

**ID and name:** B1.1 person\_role

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** The role in which the person is related to the linked information.

**Allowed values and other constraints:** controlled vocabulary

**Example:** Author

## 2.2 First names

**ID and name:** B1.2 person\_name\_first

**Provided by:** data provider, API (ORCID ID)

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The first and middle name(s) of the person.

**Allowed values and other constraints:** free text

**Example:** Jane

## 2.3 Last Name

**ID and name:** B1.3 person\_name\_last

**Provided by:** data provider, API (ORCID ID)

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The last name of the person.

**Allowed values and other constraints:** free text

**Example:** Doe

## 2.4 Persistent Identifier

**ID and name:** B1.4 person\_pid

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** Persistent identifier(s) assigned to the person.

*with the two subproperties:*

### 2.4.1 VALUE OF PERSISTENT IDENTIFIER

**ID and name:** B1.4.1 person\_pid\_value

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** A persistent identifier assigned to the analysed material.

**Allowed values and other constraints:** Valid persistent identifier according to B1.4.2 Type of persistent identifier

**Example:** 0000–0001–2345–678X

#### 2.4.2 TYPE OF PERSISTENT IDENTIFIER

**ID and name:** B1.4.2 person\_pid\_type

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The type of the persistent identifier.

**Allowed values and other constraints:** controlled vocabulary

#### 2.5 Affiliation name

**ID and name:** B1.5 person\_affiliation\_name

**Provided by:** data provider, API (ORCID ID, ROR ID)

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** The name of the person's affiliation.

**Allowed values and other constraints:** free text

**Example:** Institute of Time Travels

#### 2.6 ROR ID

**ID and name:** B1.6 person\_affiliation\_ror

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** The [ROR](#) of the person's affiliation.

**Allowed values and other constraints:** is valid ROR ID

**Example:** 09af7gtg53

#### 2.7 Address

**ID and name:** B1.7 person\_affiliation\_address

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** The address of the person's affiliation.

**Allowed values and other constraints:** free text

**Example:** Teleporter Avenue 123, Ankh–Morpok, United States of Humanities

#### 2.8 Mail address

**ID and name:** B1.8 person\_mail

**Provided by:** data provider, API (ORCID ID)

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** The mail address of the person.

**Allowed values and other constraints:** is valid mail address

**Example:** jane.doe@timetravels.int

## 2.9 Website

**ID and name:** B1.9 person\_url

**Provided by:** data provider, API (ORCID ID)

**Obligation:** optional

**Occurrences:** 0–1

**Definition:** The URL of a person.

**Allowed values and other constraints:** is valid URL

**Example:** <https://www.timetravels.int/members/jane-doe>

## 3. Object title

**ID and name:** O3 object\_title

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** Name of the object to make it distinguishable.

**Allowed values and other constraints:** free text

**Example:** Coin 231 of hoard from the northwest palace in Atlantis

## 4. Object description

**ID and name:** O4 object\_description

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** (Detailed) description of the object. Should include information about the object and its collection not captured in other properties. For example, the primary reason for object collection or selection in terms of analytics.

**Allowed values and other constraints:** free text

**Example:** Galena-rich sediment from the washing pit.

## 5. Object identifiers

**ID and name:** O5 object\_identifiers

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** Identifiers associated with the object. At least one identifier must be provided.

*with the three subproperties:*

### 5.1 Persistent Identifier

**ID and name:** O5.1 object\_pid

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** Persistent identifier(s) assigned to the object.

*with the two subproperties:*

#### 5.1.1 Value of persistent identifier

**ID and name:** O5.1.1 object\_pid\_value

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The persistent identifier assigned to the object.

**Allowed values and other constraints:** Valid persistent identifier according to [05.1.2 Type of persistent identifier](#)

**Example:** 10.60510/ABCD123EF4567

#### 5.1.2 Type of persistent identifier

**ID and name:** O5.1.2 object\_pid\_type

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The type of a persistent identifier that was assigned to the object.

**Allowed values and other constraints:** controlled vocabulary

### 5.2 Value of other identifier

**ID and name:** O5.2 object\_id\_value

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** Identifier by which the object is identified in a catalogue, database or comparable records (e.g., of the excavation catalogue or records of a laboratory).

**Allowed values and other constraints:** free text

**Example:** AG-01

### 5.3 Type of other identifier

**ID and name:** O5.3 object\_id\_type

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** The name of the catalogue, database or comparable records to which the ID refers. Mandatory if [05.2 Value of other identifier](#) is provided.

**Allowed values and other constraints:** free text

**Example:** catalogue in the final excavation report

## 6. Date of collection

**ID and name:** O6 object\_collection\_date

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** Collection date of the object.

**Allowed values and other constraints:** date formatted as YYYY-MM-DD

**Example:** 1990-06-08

## 7. Collection method

**ID and name:** O7 object\_collection\_method

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** How the object was collected or obtained.

**Allowed values and other constraints:** controlled vocabulary

## 8. Object housing

**ID and name:** O8 object\_housing

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 1–n

**Definition:** The material in which the object is currently stored or was stored at any time after its collection. At least the current state should be recorded.

*with the two subproperties:*

### 8.1 Housing material

**ID and name:** O8.1 object\_housing\_material

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The material the object was or is stored in at the stage in its life cycle recorded in [08.2 Stage of Storage](#).

**Allowed values and other constraints:** controlled vocabulary

### 8.2 Stage of Storage



**ID and name:** O8.2 object\_housing\_stage

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The stage of the object's life cycle when the object was stored in the material recorded in [08.1 Housing material](#).

**Allowed values and other constraints:** controlled vocabulary

## 9. Object photo

**ID and name:** O9 object\_photo

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** Photograph of the object, preferably at the time of collection. For guidance on photographs, see e.g. [L. J. Fisher \(2009\), Photography for Archaeologists Part II: Artefact recording \(BAJR Practical Guide Series 26\)](#).

**Allowed values and other constraints:** file path

**Example:** t.b.d.

## 10. Object weight

**ID and name:** O10 object\_weight

**Provided by:** data provider

**Obligation:** optional

**Occurrences:** 0–1

**Definition:** The weight of the object at the point of collection, before analysis.

*with the three subproperties:*

### 10.1 Value

**ID and name:** O10.1 object\_weight\_value

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The value of the weight.

**Allowed values and other constraints:** decimal number

**Example:** 120.3

### 10.2 Unit

**ID and name:** O10.2 object\_weight\_unit

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** SI unit in which the weight is given.

**Allowed values and other constraints:** controlled vocabulary

## 10.3 Weight condition

**ID and name:** O10.3 object\_weight\_condition

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** Additional information about state of object at the time the weight was measured to give a better idea how representative the measured weight is.

**Allowed values and other constraints:** free text

**Example:** dry sandy material adhering to object

## 11. Object dimensions

**ID and name:** O11 object\_dimension

**Provided by:** data provider

**Obligation:** optional

**Occurrences:** 0–1

**Definition:** The dimensions of the object.

*with the four subproperties:*

### 11.1 Height

**ID and name:** O11.1 object\_dimension\_height

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The height of the object.

**Allowed values and other constraints:** decimal number

**Example:** 3.52

### 11.2 Length

**ID and name:** O11.2 object\_dimension\_length

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The length of the object.

**Allowed values and other constraints:** decimal number

**Example:** 10.30

## 11.3 Width

**ID and name:** O11.3 object\_dimension\_width

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The width of the object.

**Allowed values and other constraints:** decimal number

**Example:** 2.42

## 11.4 Unit of Dimensions

**ID and name:** O11.4 object\_dimension\_unit

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** Unit in which the dimension(s) of the object are provided.

**Allowed values and other constraints:** controlled vocabulary

# 12. Material

**ID and name:** O12 object\_material

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The material the object is made of.

**Allowed values and other constraints:** controlled vocabulary. This property determines which material-specific metadata will be additionally recorded.

## 13. Bulk Pb concentration

**ID and name:** O13 object\_bulk\_chemistry\_pb

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The bulk lead concentration of the object.

*with the eight subproperties:*

### 13.1 Analytical method

**ID and name:** B4.1 chemistry\_method

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The method used to determine the chemical composition.

**Allowed values and other constraints:** controlled vocabulary

### 13.2 Analysed compound

**ID and name:** B4.2 chemistry\_compound

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** The analysed chemical compound (chemical element or oxide).

**Allowed values and other constraints:** controlled vocabulary, not available if a mass spectrometric-method is recorded in `B4.1 Analytical method`.

### 13.3 Analysed isotope

**ID and name:** B4.3 chemistry\_icp\_isotope

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** The isotope used for quantification of a chemical element.

**Allowed values and other constraints:** controlled vocabulary, only available if a mass spectrometric-method is recorded in `B4.1 Analytical method`.

### 13.4 Value

**ID and name:** B4.4 chemistry\_value

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** The concentration of the analysed chemical compound.

**Allowed values and other constraints:** decimal number

**Example:** 15.3

### 13.5 Unit

**ID and name:** B4.5 chemistry\_unit

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** The unit in which the concentration of the analysed chemical compound is given.

**Allowed values and other constraints:** controlled vocabulary

### 13.6 Uncertainty type

**ID and name:** B4.6 chemistry\_uncertainty\_type

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** The type of analytical uncertainty.

**Allowed values and other constraints:** controlled vocabulary

### 13.7 Confidence level

**ID and name:** B4.7 chemistry\_uncertainty\_sigma

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** Sigma value of the reported absolute analytical uncertainty.

**Allowed values and other constraints:** 1, 2, 3

**Example:** 2

### 13.8 Uncertainty value

**ID and name:** B4.8 chemistry\_uncertainty\_value

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** Value of the absolute analytical uncertainty.

**Allowed values and other constraints:** decimal number

**Example:** 0.3

## 14. Dating of object

**ID and name:** O14 object\_date

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** The date of the object.

*with the eight subproperties:*

### 14.1 Persistent identifier

**ID and name:** B3.1 date\_pid

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

*with the two subproperties:*

#### 14.1.1 VALUE

**ID and name:** B3.1.1 date\_pid\_value

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The value of the persistent identifier.

**Allowed values and other constraints:** The period's persistent identifier in one or more of the data infrastructures listed in `B3.1.2 Type`.

**Example:** 99152/p0qhb66vvth

#### 14.1.2 TYPE

**ID and name:** B3.1.2 date\_pid\_type

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The name of the data infrastructure.

**Allowed values and other constraints:** controlled vocabulary

#### 14.2 Date type

**ID and name:** B3.2 date\_type

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** Is this an archaeological or geological age? Archaeological dates must be given in calendar years, with BCE dates as negative values. Geological dates must be given in million years.

**Allowed values and other constraints:** geological, archaeological

**Example:** archaeological

#### 14.3 Absolute Date

**ID and name:** B3.3 date\_absolute

**Provided by:** data provider, API

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The absolute date of a point in time or period in years before or after common era. Values in BCE are reported as negative values. If the absolute date is given with an uncertainty such as 450 +/- 50 BC, start and end date mark the lower and upper limit of the date range, i.e. -500 and -400.

*with the four subproperties:*

##### 14.3.1 START

**ID and name:** B3.3.1 date\_absolute\_start

**Provided by:** data provider, API

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The oldest possible date of the period.

**Allowed values and other constraints:** integer

**Example:** -15

##### 14.3.2 END

**ID and name:** B3.3.2 date\_absolute\_end

**Provided by:** data provider, API

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The youngest possible date of the period.

**Allowed values and other constraints:** integer

**Example:** 15

#### 14.3.3 DATING METHOD

**ID and name:** B3.3.3 date\_absolute\_method

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** The method used to determine the absolute date.

**Allowed values and other constraints:** controlled vocabulary

#### 14.3.4 UNIT OF DATE

**ID and name:** B3.3.4 date\_absolute\_unit

**Provided by:** TerraLID system

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The unit of the date.

**Allowed values and other constraints:** a, Ma

**Example:** a

### 14.4 Relative Date

**ID and name:** B3.4 date\_relative

**Provided by:** data provider, API

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The relative date of a point in time or period.

*with the two subproperties:*

#### 14.4.1 CHRONOLOGICAL UNIT

**ID and name:** B3.4.1 date\_relative\_period

**Provided by:** data provider, API

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The relative date expressed as a chronological unit.

**Allowed values and other constraints:** controlled vocabulary

#### 14.4.2 DATING METHOD

**ID and name:** B3.4.2 date\_relative\_method

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** The method used to determine the relative date.

**Allowed values and other constraints:** controlled vocabulary

#### 14.5 Cultural unit

**ID and name:** B3.5 date\_archaeo\_cultural

**Provided by:** data provider

**Obligation:** optional

**Occurrences:** 0–n

**Definition:** Relevant cultural and user created labels for the relative date of the item.

**Allowed values and other constraints:** free text, only available if B3.2 Date type = "archaeological".

**Example:** Roman

#### 14.6 Orogenesis

**ID and name:** B3.6 date\_geol\_orogenesis

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The relative date expressed as anorogenic event.

**Allowed values and other constraints:** controlled vocabulary, only available if B3.2 Date type = "geological".

#### 14.7 Definition of chronological unit

**ID and name:** B3.7 date\_relative\_reference

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** The reference defining the relative date or period.

*with the five subproperties:*

##### 14.7.1 Persistent Identifier

**ID and name:** B5.1 relation\_pid

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** The persistent identifier or TerraLID ID associated with a resource or related research output. If referring to another entity in the TerraLID database, the TerraLID identifier must be used.

*with the two subproperties:*

##### # 14.7.1.1 Value

**ID and name:** B5.1.1 relation\_pid\_value

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** Value of the persistent identifier or TerraLID ID.



**Allowed values and other constraints:** valid persistent identifier according to the options listed in B5.1.2 Type .

**Example:** 10.60510/ICDP5054ESYI201

#### # 14.7.1.2 Type

**ID and name:** B5.1.2 relation\_pid\_type

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The type of the identifier.

**Allowed values and other constraints:** controlled vocabulary

#### 14.7.2 Full reference

**ID and name:** B5.2 relation\_text

**Provided by:** data provider, API (DOI)

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The full reference of a publication.

**Allowed values and other constraints:** free text

**Example:** Palinkaš, L. A., 1985, Lead isotope patterns in galenas from some selected ore deposits in Croatia and NW Bosnia, Geološki Vjesnik, 38, 175–89.

#### 14.7.3 Kind of relation

**ID and name:** B5.3 relation\_kind

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** Relationship between item and the research output.

**Allowed values and other constraints:** controlled vocabulary

#### 14.7.4 Type of resource

**ID and name:** B5.4 relation\_resource

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** Type of resource or research output.

**Allowed values and other constraints:** controlled vocabulary

#### 14.7.5 Additional details

**ID and name:** B5.5 relation\_detail

**Provided by:** data provider

**Obligation:** optional

**Occurrences:** 0–n

**Definition:** Additional information about the relation, e.g., if the related work addresses a specific aspect of the item (e.g., the geological setting).

**Allowed values and other constraints:** free text

**Example:** Information about the dating of the site.

## 15. Keywords

**ID and name:** O15 object\_keywords

**Provided by:** data provider

**Obligation:** optional

**Occurrences:** 0–n

**Definition:** Keywords to describe aspects of the sample not covered by other metadata.

**Allowed values and other constraints:** free text

**Example:** t.b.d.

## 16. Object contamination

**ID and name:** O16 object\_contamination

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** Information about potential contamination or treatment of the object that might impact the relevance of retrieved information (e.g. by post-depositional processes or conservation treatment).

**Allowed values and other constraints:** free text

**Example:** Galvanic restoration of the surface in 1967

## 17. Status of object

**ID and name:** O17 object\_status

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** Information about the current status of the object and how to access it.

*with the two subproperties:*

### 17.1 Institution

**ID and name:** B2.1 status\_institution

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** The institution at which the material is located.

*with the five subproperties:*

#### 17.1.1 NAME

**ID and name:** B2.1.1 status\_institution\_name

**Provided by:** data provider, API (ROR ID)

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** Name of the institution.

**Allowed values and other constraints:** free text

**Example:** Institute of Time Travels

#### 17.1.2 ROR

**ID and name:** B2.1.2 status\_institution\_ror

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** [ROR](#) of the institution.

**Allowed values and other constraints:** is valid ROR ID

**Example:** 09af7gtg53

#### 17.1.3 ADDRESS

**ID and name:** B2.1.3 status\_institution\_address

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** Address of the institution.

**Allowed values and other constraints:** free text

**Example:** Teleporter Avenue 123, Ankh–Morpok, United States of Humanities

#### 17.1.4 STORAGE LOCATION

**ID and name:** B2.1.4 status\_institution\_location

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** Location of the item within the institution.

**Allowed values and other constraints:** free text

**Example:** Archive 9, shelf 3, box 1

#### 17.1.5 CONTACT

**ID and name:** B2.1.5 status\_institution\_contact

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** Contact information for inquiries about the material. This may include, for example, a mail address or phone number of the respective department within the institution or the identification of a specific contact person as well as constraints on the availability of the point of contact such as opening hours.

**Allowed values and other constraints:** free text

**Example:** t.b.d.

## 17.2 Accessibility

**ID and name:** B2.2 status\_accessibility

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** Is the material accessible to other researchers and do restrictions apply?

**Allowed values and other constraints:** controlled vocabulary

## 18. Authenticity of object

**ID and name:** O18.1 object\_authenticity

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 0–1

**Definition:** The contemporary legal status of an object: whether it is a genuine archaeological object, contemporary imitation, or a modern imitation. For example, authentic numismatic objects were created by an authority that had the rights to do so, while contemporary imitations were not.

*with the two subproperties:*

### 18.1 Authenticity type

**ID and name:** O18.1 object\_authenticity\_type

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 1

**Definition:** The object's type of authenticity.

**Allowed values and other constraints:** controlled vocabulary

### 18.2 Reasoning

**ID and name:** O18.2 object\_authenticity\_description

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** Reasoning for the given classification.

**Allowed values and other constraints:** free text

**Example:** The zinc content in the brass is higher than can be achieved with Roman technology.

## 19. Relations

**ID and name:** O19 object\_relation

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** Information about related entities, including samples belonging to the object, and other research output such as publications providing relevant information about the object. This includes any literature from which information about the object was extracted.

*with the five subproperties:*

### 19.1 Persistent Identifier

**ID and name:** B5.1 relation\_pid

**Provided by:** data provider

**Obligation:** recommended

**Occurrences:** 0–n

**Definition:** The persistent identifier or TerraLID ID associated with a resource or related research output. If referring to another entity in the TerraLID database, the TerraLID identifier must be used.

*with the two subproperties:*

#### 19.1.1 VALUE

**ID and name:** B5.1.1 relation\_pid\_value

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** Value of the persistent identifier or TerraLID ID.

**Allowed values and other constraints:** valid persistent identifier according to the options listed in B5.1.2 Type .

**Example:** 10.60510/ICDP5054ESYI201

#### 19.1.2 TYPE

**ID and name:** B5.1.2 relation\_pid\_type

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1

**Definition:** The type of the identifier.

**Allowed values and other constraints:** controlled vocabulary

### 19.2 Full reference

**ID and name:** B5.2 relation\_text

**Provided by:** data provider, API (DOI)

**Obligation:** recommended

**Occurrences:** 0–1

**Definition:** The full reference of a publication.

**Allowed values and other constraints:** free text

**Example:** Palinkaš, L. A., 1985, Lead isotope patterns in galenas from some selected ore deposits in Croatia and NW Bosnia, Geološki Vjesnik, 38, 175–89.

### 19.3 Kind of relation

**ID and name:** B5.3 relation\_kind

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** Relationship between item and the research output.

**Allowed values and other constraints:** controlled vocabulary

#### 19.4 Type of resource

**ID and name:** B5.4 relation\_resource

**Provided by:** data provider

**Obligation:** mandatory

**Occurrences:** 1–n

**Definition:** Type of resource or research output.

**Allowed values and other constraints:** controlled vocabulary

#### 19.5 Additional details

**ID and name:** B5.5 relation\_detail

**Provided by:** data provider

**Obligation:** optional

**Occurrences:** 0–n

**Definition:** Additional information about the relation, e.g., if the related work addresses a specific aspect of the item (e.g., the geological setting).

**Allowed values and other constraints:** free text

**Example:** Information about the dating of the site.