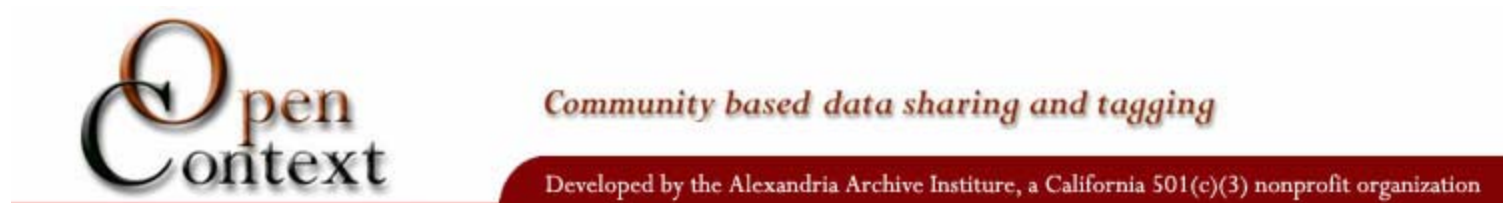


Open Context:

A Participatory Way to Publish Field and Collections Data



Eric Kansa
Alexandria Archive Institute



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Open Context: What is it for?



- **Small / Field Science**
 - Few standard / widely applied recording or terminological systems
 - Rich and varied content (tabular / analytic data, media, narratives)
 - Limited budgets, limited technical support / infrastructure
- **Challenges**
 - Data preservation
 - Data access and reuse
 - Data integration and synthesis

Open Context: What is it for?




Material Collections




Field Research Data





University of
Chicago

Online Cultural Heritage Research Environment



(formerly XSTAR: XML System for Textual and Archaeological Research)



Getting Started



You are logged in as: ekansa

[Login/Account](#)
[New Search](#)
[Browse](#)
[Selections](#)
[Details](#)
[My Tags](#)

Project / Collection Domuztepe Excavations

Excavations of a Late Neolithic site in south-central Turkey

Summary Information

Number of Location / Object items: **22934**

Number of Diary / Narrative items: **648**

Number of Media items: **2252**

Number of Views: **2051**

Last Views: **April 15, 2006, 2:19PM**

Items in this Project

-  **Site**
1 items
-  **Operation**
9 items
-  **Lot**
1596 items
-  **Human Bone**
2381 items

Tags in Project (5)

- [painted jars](#)
- [Domuztepe dogs](#)
- [goat metapodials](#)
- [weaving tools](#)
- [bone points](#)

Project People (42)

- [\(Person not known\)](#)
- [Amanda Kennedy](#)
- [Andrew C. Sneadon](#)

Project Synopsis

Domuztepe is a large (20 hectares) 6th millennium BC. It has extensive occupational remains. The site also occupation, including a cemetery and an Early Medieval building with thick excavations led by Elizabeth Carter Angeles and Stuart Campbell of the underway since 1995.



Map Satellite Hybrid

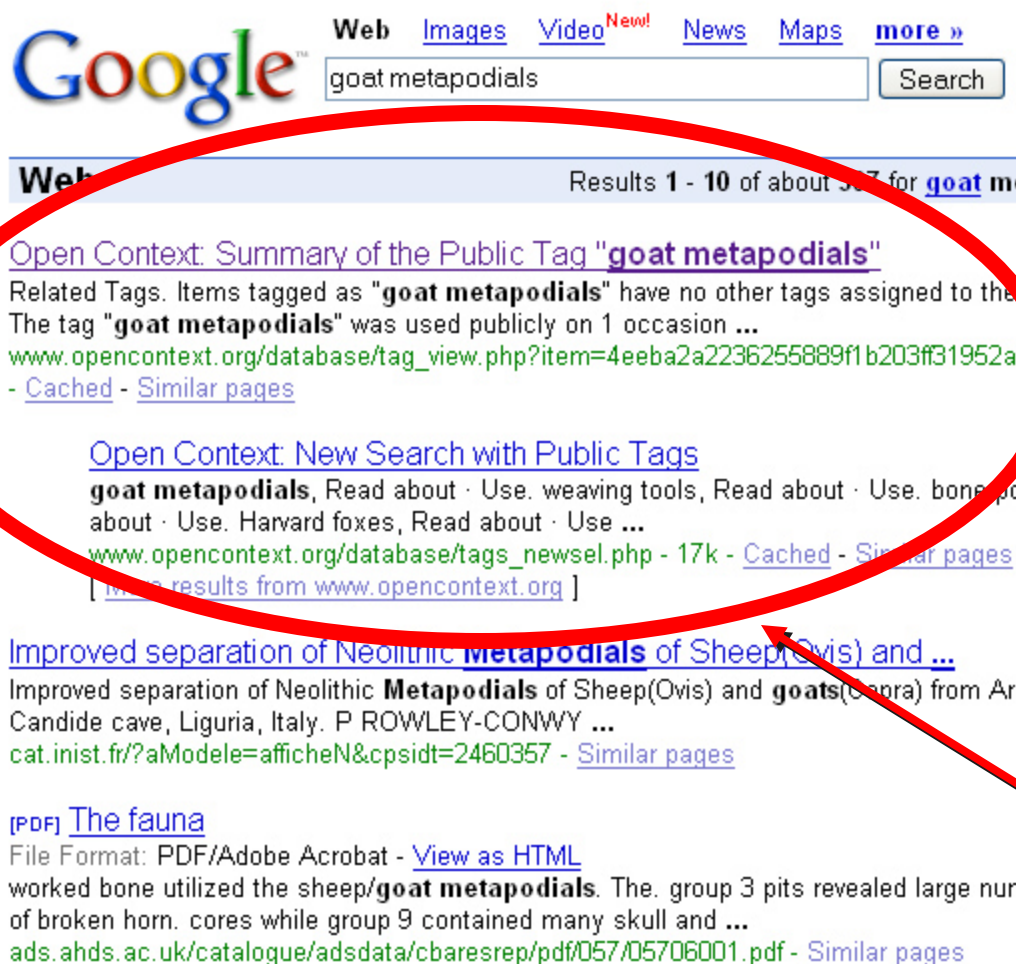
POWERED BY Google Map data ©2005 Tele Atlas

Except for map content, this content is licensed with a [Creative Commons: Attribution, Noncommercial](#) license.

Attribution: Domuztepe Excavations

- **OCHRE:** Fully supports ArchaeoML global schema using a native XML database and free java client
- **Open Context:** Uses a subset of the ArchaeoML schema (via MySQL/PHP) for web-browser access and Internet search engine indexing.
- Common services, including complex querying and analysis for pooled content

Why MySQL and PHP?



- **Open technologies**
(important for data longevity and migration)
- **Ubiquitous & accessible:**
Drives many dynamic content websites, relatively simple standard technology.
“Bleeding edge” difficult for our target community.
- **Easy accessibility to Search Engines:** Increasingly important research tools (Harley 2006)
- **Easy integration of Open Source Tools** (RSS-feeds, ping-back, etc.)

² Diane Harley, Sarah Earl-Novell, Jennifer Arter, Shannon Lawrence, and C. Judson King, Jr. “The Influence of Academic Values on Scholarly Publication and Communication Practices”, Research & Occasional Paper Series: CSHE.13.06 <<http://cshe.berkeley.edu/publications/docs/ROP.Harley.AcademicValues.13.06.pdf>>.



Community-based data sharing and tagging

Developed by the Alexandria Archive Institute



General Info

Content

Policies

Participate

Help

BROWSE Open Context

Welcome to Open Context, a free, open access resource for the electronic publication of primary field research from archaeology and related disciplines. Open Context provides an integrated framework for users to search, explore, analyze, compare and tag items from diverse field projects and collections.

Explore **Open Context**



News and Features

[AAI Facilitates Open Access Expert Panel Discussions for the Preserve](#)

Current Applications:

- (1) Field archaeology
- (2) Museum collections
- (3) Geo-archaeology (soil micro-morphology)
- (4) Public health

In the works....

- (1) CRM "contract" archaeology
- (2) Collections with custom "branding" (Egyptology, small museums)
- (3) Testing research impact with ADS


To begin immediately, click on "Explore Open Context", or on one of the projects and collections mapped above. Or, browse around this web site to learn more about how Open Context works.

- [Instructions on how to search the Open Context database](#)
- [Information about contributing data to Open Context](#)
- [Guidelines for tagging your search results for other users to view](#)
- [Details on the legal terms and conditions of using Open Context](#)



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Complex Querying

Community-based data sharing and taggingBETA

You are logged in as: ekansa

Login/Account

New Search

Browse

Selections

Details

My Tags

Use the controls to organize the properties you want to search into querying phrases. You can move your search terms up and down the list. To build complex querying conditions, you can switch between "AND" and "OR" and add or subtract parentheses.

Advanced Search Composition

Step: 1 2 3

Search Properties

▲

▼

+

-

(Domuztepe Excavations: Taxon is exactly Bos taurus)

)

(

OR

▲

▼

+

-

(Domuztepe Excavations: Taxon is exactly Bos primigenius)

)

(

OR

▲

▼

+

-

(Harvard Peabody Mus. Zooarchaeology: Species is exactly taurus)

)

(

Next

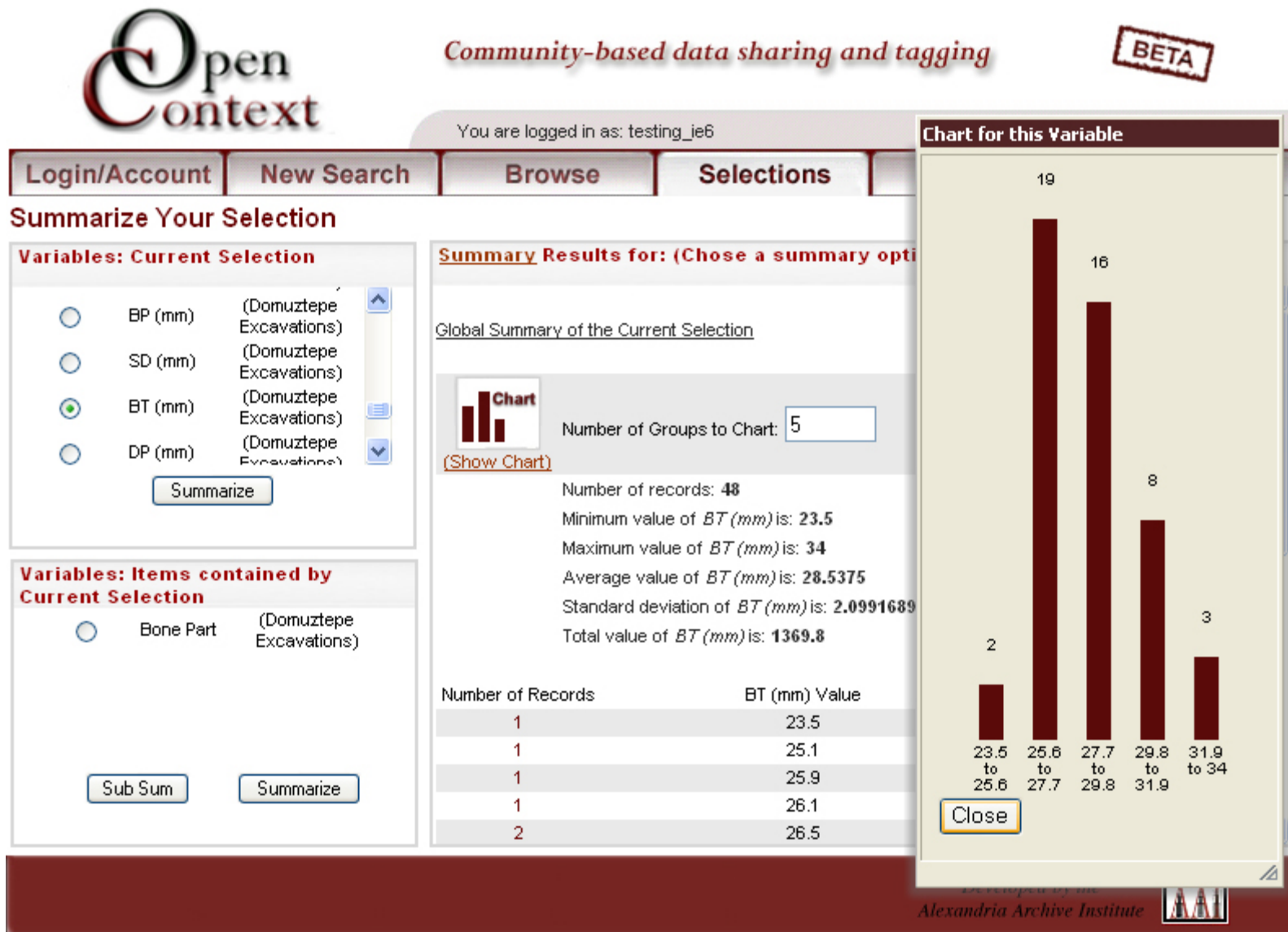
Run the Search

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Alexandria Archive Institute



- Data from multiple projects can be queried (with Boolean algebra), and results pooled together

Summary Statistics



Ownership in Open Context

Open Context Community-based data sharing and tagging **BETA**

You are logged in as: ekansa

Login/Account **New Search** **Browse** **Selections** **Details** **My Tags**

Item: DT# 242 **Class: Small Find** Number of Views: 21
Last View: July 1, 2006, 1:39PM

Context (click to view): [Turkey](#) / [Domuztepe](#) / [II](#) / [Lot 785](#)

Description (7 properties)

[Small Find / DT number](#) 242
[Internal Find Number](#) 56
[Registration Date](#) 1996/08/21
[Artifact Name](#) Pendant ?
[Material](#)
[Mass \(g\)](#)
[Disposition](#)




Contents (0 items)

Linked People (2)
[Stuart Campbell](#) Observer
[Elizabeth Carter](#) Observer

Item Notes
Seal or pendant loop. Very encrusted. Umm el-Qasir has a similar pendant, but worked only on one face.

Proper citation for this item:
Stuart Campbell, Elizabeth Carter. "Domuztepe Excavations, DT# 242" (Released March 1, 2006). *Open Context*. (Accessed July 5, 2006) <http://www.opencontext.org/database/space.php?item=15289_DT_Spatial>.
[Copy](#)

Our citation format is as follows:
Authors. "Project, item's name" (Released date). *Database (Open Context)*. (Access date) <item's url>.
[More citation information](#)

Media (3)




User Tags (1)
[seals with images](#)

Citation information with stable URL direct to the item being cited.

This item description is licensed with a [Creative Commons: Attribution, Noncommercial](#) license
Attribution: Stuart Campbell, Elizabeth Carter (Domuztepe ...)

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Login/Account

New Search

Browse

Selections

Details

My Tags



Item: DT# 652

Class: Small Find

Number of Views: 31

Last View: April 4, 2007, 12:41AM



Map Item



Cite Item



Tag Item

Context (click to view): [Turkey](#) / [Domuztepe](#) / [Lot 1251](#)

Description (8 properties)

[Small Find / DT number](#) 652
[Internal Find Number](#) 265
[Find Date](#) 1997/08/03
[Registration Date](#) 1997/08/29
[Artifact Name](#) Jar
[Material](#) Ceramic
[Mass \(g\)](#) 186
[Disposition](#) Marash Mus. invent

Contents (0 items)

Linked Items (0)

Linked Media (4)



Zotero (www.zotero.org) uses COinS (a micro-format) metadata to make bibliographic references

Waiting for www.opencontext.org...

zotero

Search:

Collections

- My Library

No tags to display

☐ Display all tags

Filter:

0 tags selected

Title	Creator
Domuztepe Excavations, ...	Shaw et al.
Domuztepe Excavations, ...	Kaleh et al.
Iraq Heritage Program, PG...	Staff et al.
Zotero - Quick Start Guide	
Zotero, WordPress and C...	Lindner

Info Notes Attachments Tags Related

Web Page

Title: Domuztepe Excavations, DT# 652

Contributor: Kaleh, Hakan

Contributor: Carter, Elizabeth

Author: Campbell, Stuart

Author: Carter, Elizabeth

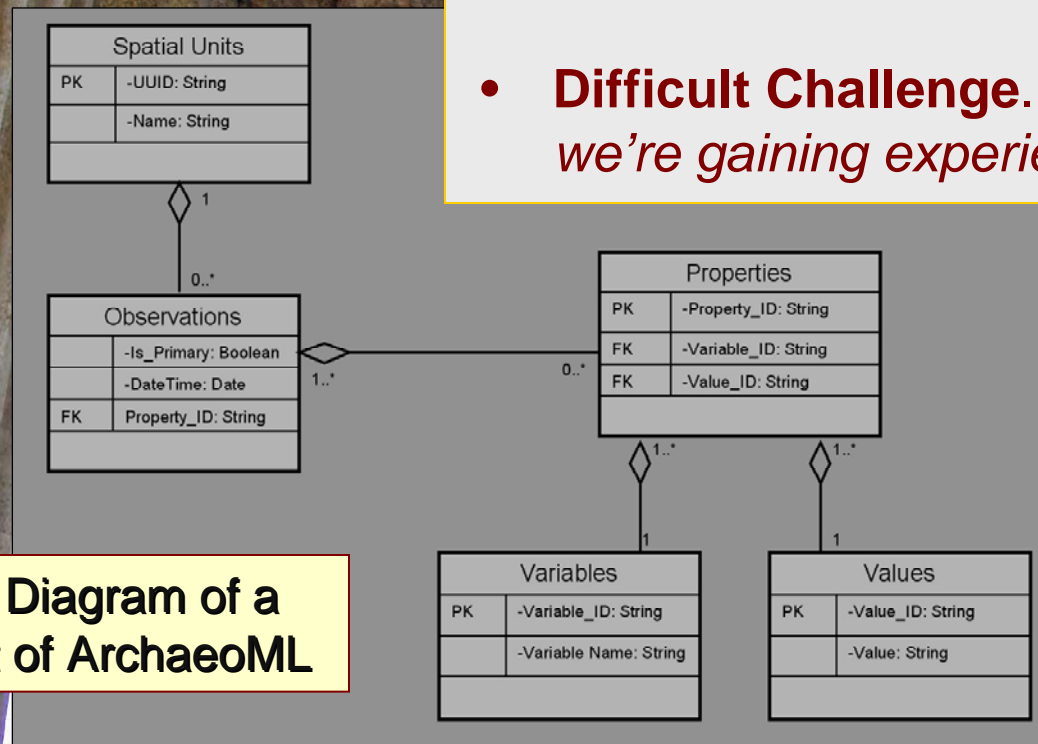
Abstract:

Website Title: Open Context

Global Schemas: ArchaeoML

- Simple schema makes it easier to add content
- Individuals can “publish” their own material
- **Difficult Challenge.** *But we’re gaining experience*

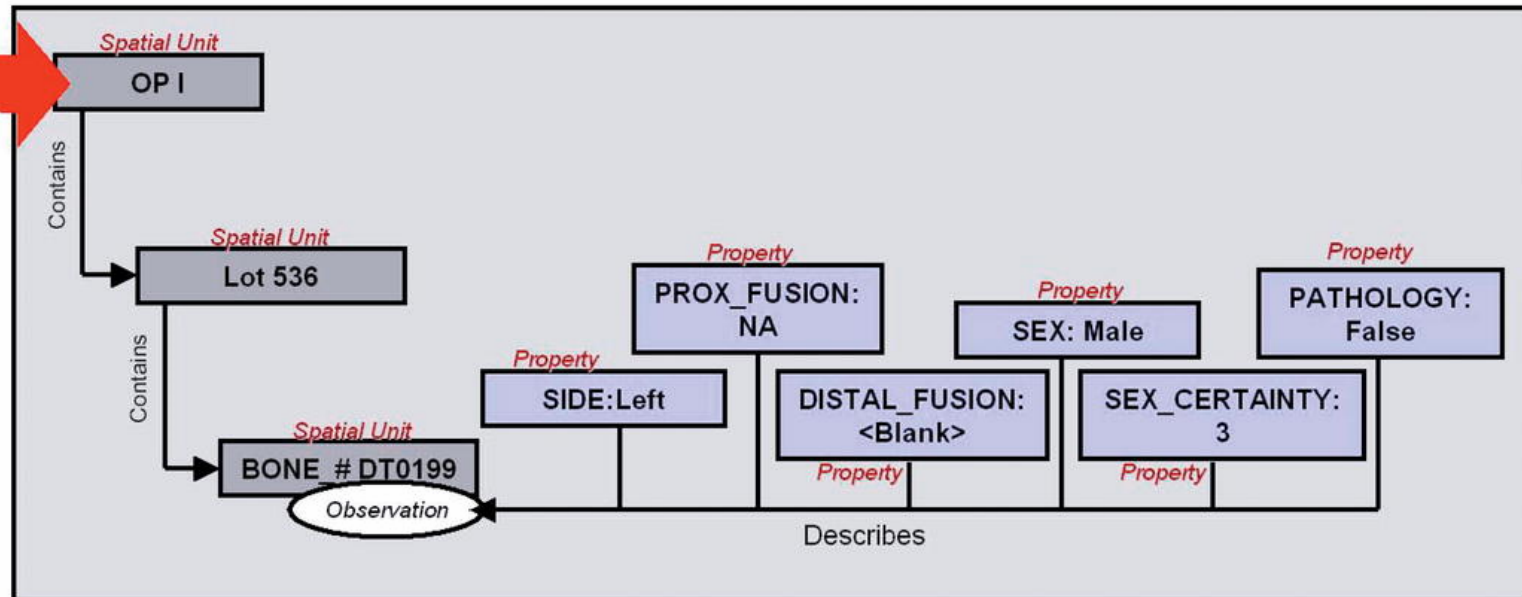
UML Diagram of a
subset of ArchaeoML



Schema Mapping into ArchaeoML

OP	LOT	BONE_#	SIDE	PROX_FUSION	DISTAL_FUSION	SEX	SEX_CERTAINTY	PATHOLOGY_
I	Lot 536	DT 0198	Left	Unfused		Unidentifi		False
I	Lot 536	DT 0199	Left	NA		Male	3	False
I	Lot 536	DT 0214	NA	NA	Fused	Unidentifi		False

Maps To
ArchaeoML



- Web-based importer now in testing (and we're looking for feedback!).
 - Simple, fast, can be performed by a non-expert data contributor
 - Individuals can upload their own data, map them into ArchaeoML and submit for review and publishing



You are logged in as: testing_je6

About

1. Start

2. Data Setup

3. Review

4. Edit

5. Publish

Your Projects to Publish:

With this service, you can publish your research in Open Context and OCHRE systems. First create a new project or select an existing project that you want to add to. Then click on the table to continue the import process.

Step 1: Select a Project

Penelope's main unit of publication is a 'project'. A project can have data from one or more uploaded tables. When publishing you need to create a new project or select an existing project.

[Create a New Project](#)

[Create a New Project](#)

You are importing the following file:

Create a New Project

You have chosen to import data into a new project. Please create a title for your project before you choose a file to upload.

Add Project

Cancel

Import





Alpha version. Try it out!

PENELOPE
data publisher



You are logged in as: ekansa

About

1. Start

2. Data Setup

3. Review

4. Edit

5. Publish

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You are importing the following file:

Filename	Number of Rows	Number of Columns
Contexts.xls	306	12

Select a Creative Commons License

Do you want to permit commercial uses?

- ☒ **Yes (Recommended)**
This choice reduces barriers to future publication, making wider citation more likely, and increasing the impact of your contribution
- ☐ **No**

Do you want to allow others to create and share modified/adapted versions of your content?

- ☒ **Yes (Recommended)**
- ☐ **Yes, but only if people share-alike**
Future works must also carry this same license
- ☐ **No**
Allow only exact copies of my work to be shared

Select License

Result: Your License Selection

You chose to license your work with a:

Creative Commons
[Attribution-Noncommercial 3.0 License](#)



Next



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Alpha version. Try it out!

PENELOPE
data publisher



You are logged in as: ekansa

About

1. Start

2. Data Setup

3. Review

4. Edit

5. Publish

In the area below, select one or more fields from your table to classify. Then use the buttons to the right to assign a classification.

You are importing the following file:

Filename	Number of Rows	Number of Columns
oc_afridar_marina.xls	629	35

Step 1: Select Field(s)

ID	Field Name	Field Type
1	Site	Location or Object
2	Lic#	Property
3	Area	Location or Object
4	Square	Property
5	Locus	Location or Object
6	Basket	Location or Object
7	Context	Property
8	Bone#	Location or Object
9	MNI	
10	Species	
11	Element	

Step 2: Classify Field(s)

[Location or Object](#)

[Property](#)

[Person](#)

[Diary / Narrative](#)

[Media \(Label\)](#)

[Media \(Filename\)](#)

[Media \(Path\)](#)

[Link](#)

[Ignore](#)



[Help Classify](#)

Next



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You are logged in as: testing_je6

About

1. Start

2. Data Setup

3. Review

4. Edit

5. Publish

Icons, simple classifications, and additional annotations help make it easier for others to browse and use your data. Select a field in the area below and choose the best fitting icon and classification. You also have additional options. You make your data easier for others to navigate and use. You may add keywords to further describe items in a field.

You are importing the following file:

Number of
Columns
35

Step 1: Select Field

Field Name

- 1 Site
- 3 Area
- 5 Locus
- 6 Basket
- 8 Bone#

Step 2: Choose Icon and Classification



[Create New Class](#)

Add notes or keywords to items

Notes and other supplemental information can help make your dataset easier to find and understand.

Add a note for items in the field "Basket".

Notes:

A basket is an arbitrary subdivision of a contextually-defined locus.

Cancel

Add Note

Optional Tools:

Select a field, then one of the options to the right

[Label items with
Field Name](#)

[Label items with
New Text](#)

[Add Notes or
Comments](#)

Next

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You are logged in as: testing_ie6

About

1. Start

2. Data Setup

3. Review

4. Edit

5. Publish

Defining spatial containment relationships makes your data easier for others to navigate and use. Select a field in the area below to describe how items in this field link with items in other fields.

You are importing the following file:

Filename	Number of Rows	Number of Columns
oc_afridar_marina.xls	629	35

Step 1: Select Field

Field Name

- 1 Site
- 3 Area
- 5 Locus
- 6 Basket
- 8 Bone#

Step 2: Assign Relationship

[Contains](#)

[Remove Contain](#)

Set Containment Relationship

The **Area** contains which of the following location / object fields?

[Locus](#)

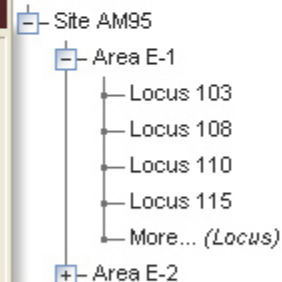
[Basket](#)

[Bone#](#)

Result: Example Linking of Items

Sample Relations...[\(Refresh\)](#)

Established Containment Relations



Containment Relations You Defined:

Parent: Site Area
Child: Area Locus

[Undo](#)
[Last](#)

[Next](#)





You are logged in as: ekansa

About	1. Start	2. Data Setup	3. Review	4. Edit	5. Publish
-------	----------	---------------	-----------	---------	------------

Defining spatial containment relationships makes your data easier for others to navigate and use. Select a field in the area below to describe how items in this field link with items in other fields.

You are importing the following file:

Filename	Number of Rows	Number of Columns
	85	3

Step 1: Select Field

Field Name

- 1 Context A
- 3 Context B

Step 2: Assign

[Add Co](#)

[Remov](#)

[Add a](#)

[\(C](#)

[Co](#)

Set Linking Relationships

You have finished linking items in the field **Context A** to items in the field **Context B**. You may review the complete list of linking relationships below:

Context A >>> Links using values from Relationship >>> Context B

Undo

Close

Containmer

Parent: No Containment

Child: Established

Next





You are logged in as: ekansa

Project: Burrow House, Cottam

You may now explore and edit data uploaded to your project. Once you are satisfied that your contribution is properly organized and complete, you can finalize publication of your project.

Submit to Publish

Project Contexts

Penelope can import multiple related tables, linking results from complex, multi-specialist teams!

- + Context 4148 [View](#)
- + Context 4279 [View](#)
- + Context 4148 [View](#)
- + Context 4092 [View](#)

Undo [Undo Import of Last Table](#)
Delete [Delete Entire Project](#)

Add [Import new table to project](#)
XML [Get ArchaeoML XML Files](#)

Your Project Includes the Following Files

Filename	Number of Rows	Number of Columns
LatrThan.xls	185	3
EarlThan.xls	330	3

Detail View:



Item: Context 4091

Class: Context

Edit Item
[\(Edit this\)](#)

Item Notes

(This item currently has no notes.)

Item Links & Relationships (3)

Above [Context 4148](#)

Below [Context 4052](#)

Fill of [Context 4053](#)

Linked People (1)

Principal Author / Assistant: Julia Richards





Alpha version. Try it out!

PENELOPE



About 1. Start 2. Data Setup

Project: Lizard morphology and behavior

You may now explore and edit data uploaded to your project. Once you are satisfied that your contribution is properly organized and complete, you can finalize publication of your project.

Submit to Publi

Highly generalized / abstracted ArchaeoML global schema can support a wide variety of field-science datasets (Example: *Lizard morphology*)

Project Containment Tree:

- Population 1 (View)
 - MF1 (View)
 - MF10 (View)
 - MF11 (View)
 - MF12 (View)
 - MF13 (View)
 - MF14 (View)
 - MF15 (View)
 - MF16 (View)
 - MF17 (View)

Explanatory Note

Note for: *Paras.?*
Any visible ectoparasites? Usually orange mites if any. Some removed with mineral oil.

Close

Undo Undo Impo
Last Table
Delete Delete Ent
Project

Detail View:



Item: MF10

Class: Organism

Edit Item

(Edit this)

Descriptive Properties (46)

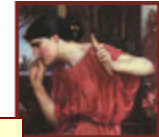
Click on a row for explanation

Paras.?	No
Avg Left	0
Avg Bl area	0
Avg Blue l	0
Avg Blue w	0
Avg Orange	16
Avg Head	8
Avg Reg	0
Avg Tail	78.5

Feedback

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You are logged in as: testing_

About

1. Start

2. Data Setup

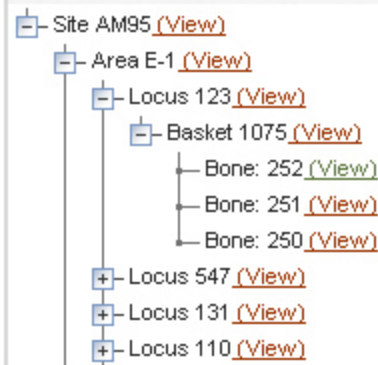
publish

Project: Afridar Zooarchaeology

You may now explore and edit data uploaded to your project. Once you are satisfied that your contribution is properly organized and complete, you can finalize publication of your project.

Items with no explicit geo-referencing inherit spatial coordinates through containment relations

Project Containment Tree:



Undo [Undo Import of Last Table](#)

Delete [Delete Entire Project](#)

Add [Import new table to project](#)

XML [Get ArchaeoML XML Files](#)

oc_afridar_marina.xls 629 35

Detail View:



Item: Bone: 252

Class: Animal Bone

Descriptive Properties:

MHI	1
Species	sh/g
Element	tibia
Skeletal Area	4
Part	prox frag
% Preserved	1
Side	L?
Prox Fused	0





You are logged in as: ekansa

About

1. Start

2. Data Setup

3. Review

4. Edit

5. Publish

Project: Burrow House Farm

You may now edit information in your project on the right to update or edit individual items.

Item Context: [Cottam](#) / [COT89F](#)

Item Description:



Item: Find: 100

Class: Small Find

Descriptive Properties:

find_id	H11
artefact	brick/t
Type	?
total	5
material	fired c
potfab	NA
wtgms	149

Geo-Reference this Item

Geo-Reference Map:

Click on the marker to view information about this item's geo-referencing. You can change the location of this item by clicking on the edit button (below).



Edit Location

Close



Alpha version. Try it out!

PENELOPE
data publisher



You are logged in as: testing_ie6

About

1. Start

2. Data Setup

3. Review

4. Edit

5. Publish

Project: Afridar Zooarchaeology

You may now explore and edit data uploaded to your project. Once you are satisfied that your contribution is properly organized and complete, you can finalize publication of your project.

Your Project Includes the Following Files

Filename	Number of Rows	Number of Columns
no. afridar_zooarchaeology.xls	522	35



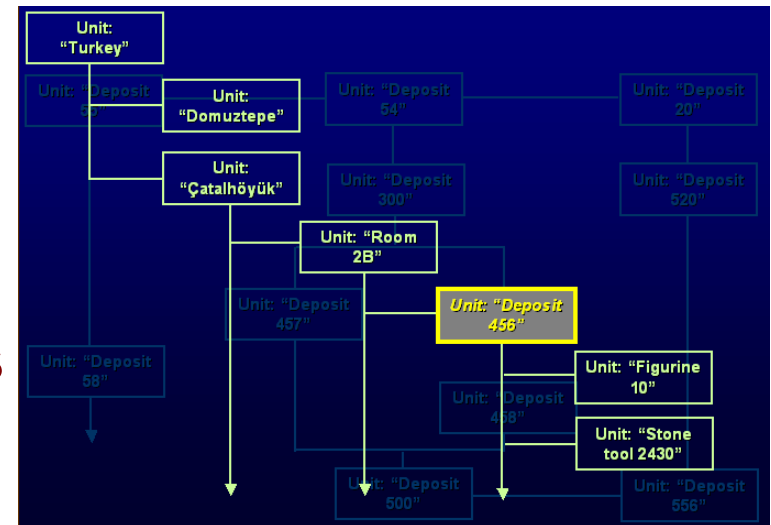
PENELOPE
data publisher

Outcomes

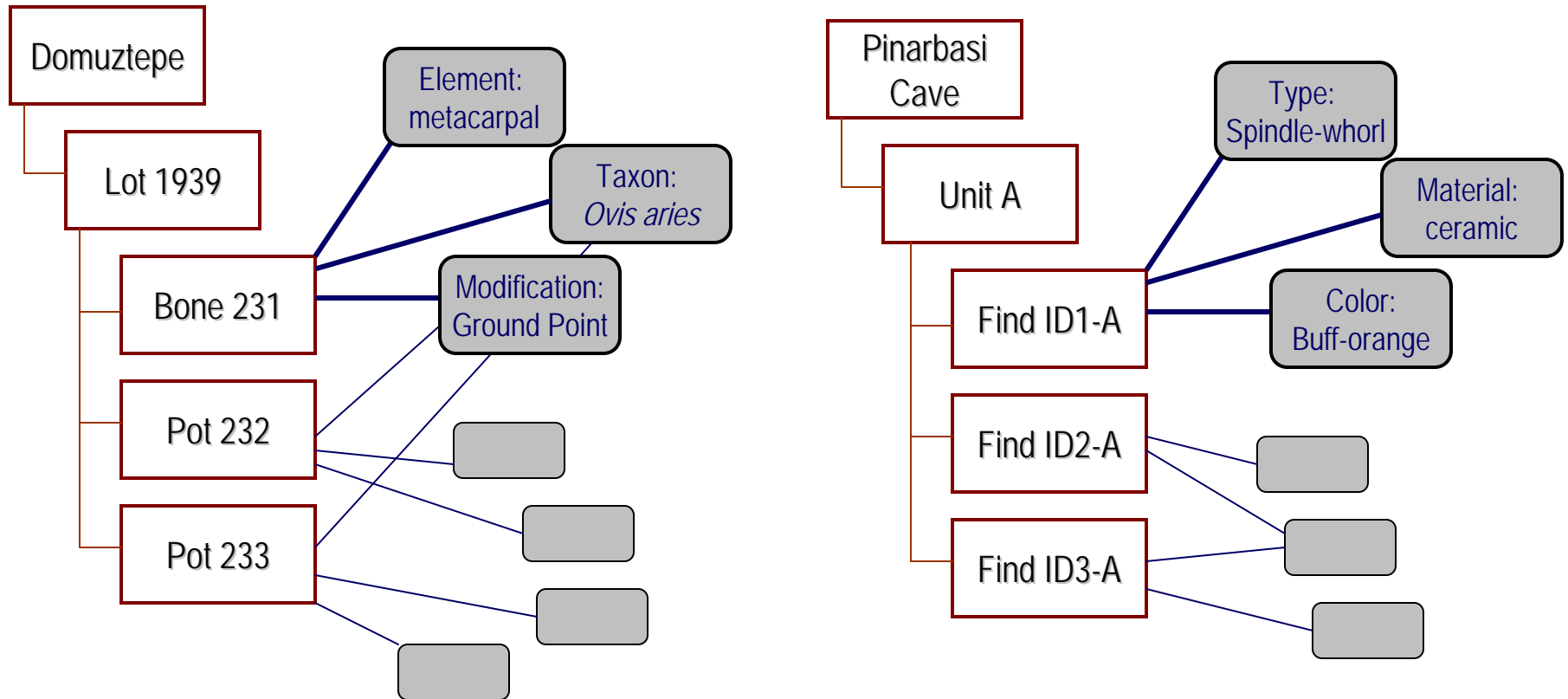
- Data expressed in ArchaeoML
 - Ready for Open Context, OCHRE dissemination
 - Interoperability, longevity advantages
 - Project's original terminology is maintained
- Data described with high-level metadata
 - Dublin Core, TimeMap. Can be expressed in RDF, COinS, ArchaeoML (XML), etc.
- Data schema mappings recorded
 - Import process saves mapping parameters.
- Internet Archive Accession

Integration at a General Level

- Speed and ease of mapping content into ArchaeoML systems
 - Significant cost reduction if most contributors can do it themselves
 - Important for small, individual or project generated research
- Enables powerful query and analysis across multiple projects
- But **NOT** very specific.
 - *Example:* Composing queries still uses each project's **local** recording system (even though several projects can be queried simultaneously and their results pooled)

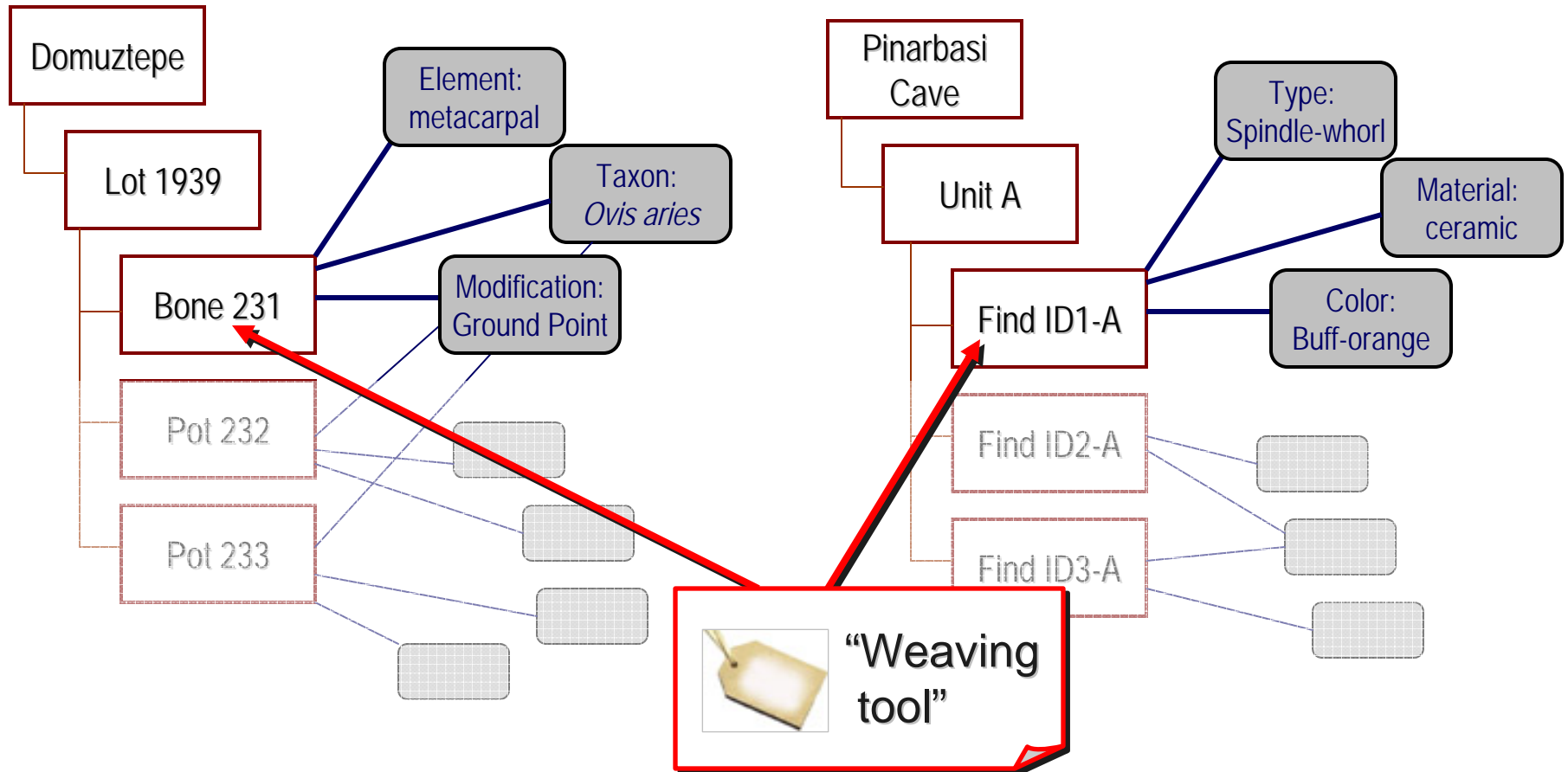


ArchaeoML lends itself to tagging



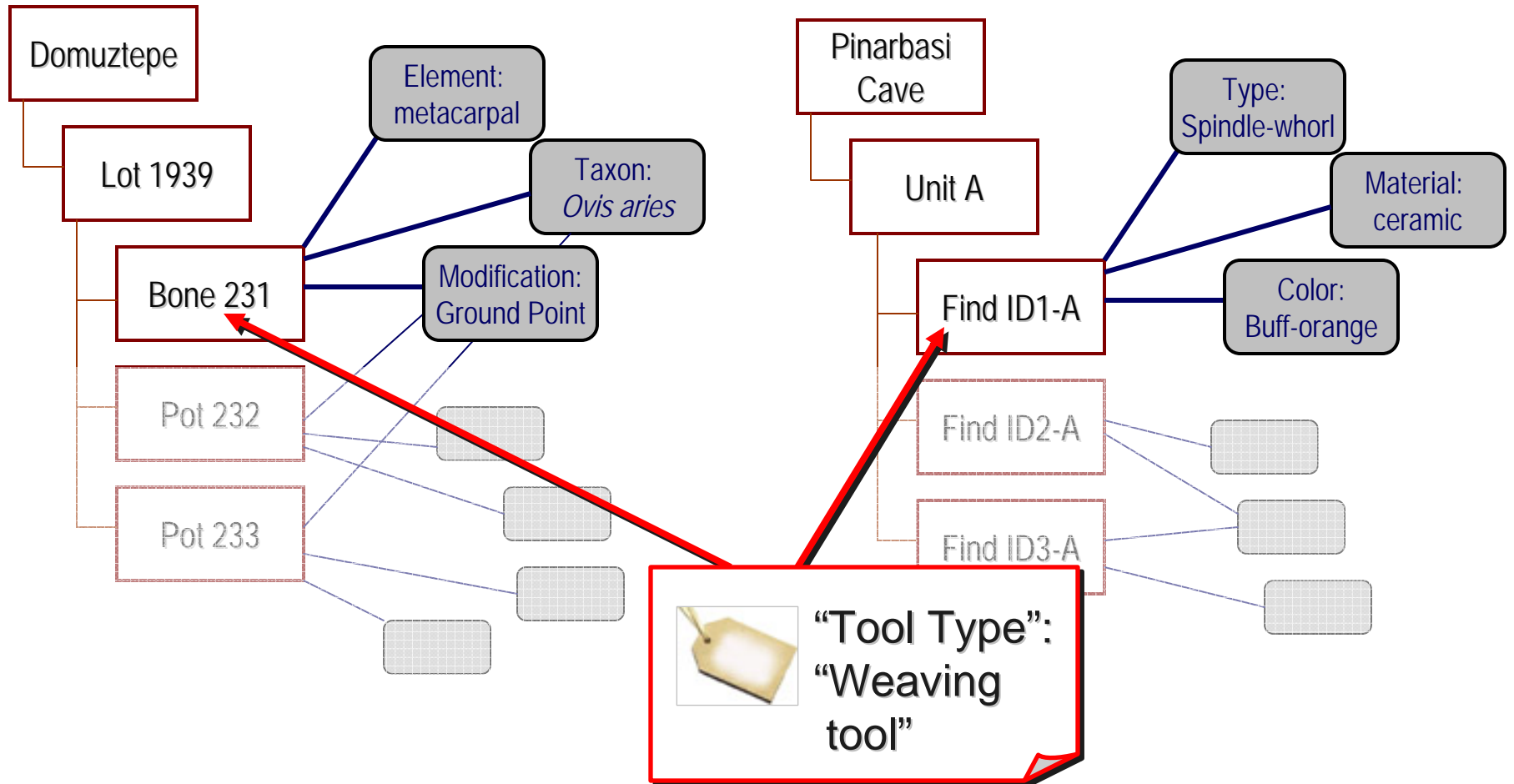
- ArchaeoML essentially describes a network of atomic units and their relationships
 - Units and their links typically derived from source data

ArchaeoML lends itself to tagging



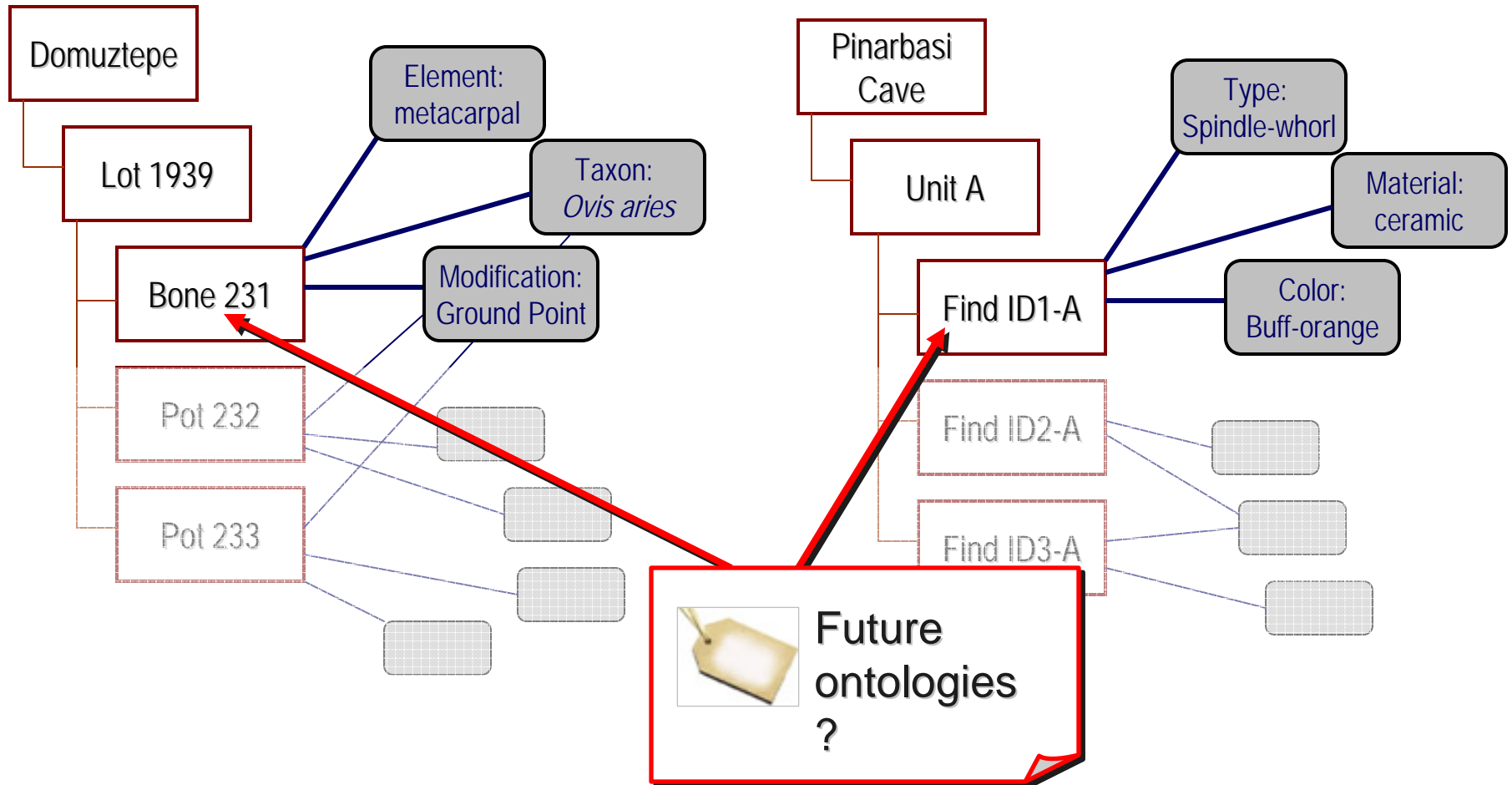
- Tags describe new, user-defined links
 - A short word or phrase can be assigned to 1 item or a whole set of items (esp. a query selection set)
 - Express a meaningful link between items

Future Extensions



- **Extend tagging concept for more structure**
 - Users can apply variable/value pairs.
 - Enable users to build databases on others' data, in a community context

Future Extensions



- **Extend tagging concept for more structure**
 - Users can apply standard thesauri (e.g. Getty Art & Architecture)
 - Users can apply and share more sophisticated and semantically rich ontologies

Tagging in Open Context

Open Context *Community-based data sharing and tagging* **BETA**







You are logged in as: ekansa

Login/Account **New Search** **Browse** **Selections** **Details** **My Tags**

GO **Search History** **Modify Res** **Tag** **Other Tools**

Advanced Search ☒ New Search ☐ Within Results

Selection Results Your current selection includes 273 items.


Class	Item	Project Name	Context
 Small Find DT# 462	Artifact Name: Sling ball Material: Fired clay...	Domuztepe Excavations	Turkey / Domuztepe /
 Small Find DT# 461	Artifact Name: Sling ball Material: Fired clay...	Domuztepe Excavations	Turkey / Domuztepe /
 Small Find DT# 471	Artifact Name: Sling ball Material: Fired clay...	Domuztepe Excavations	Turkey / Domuztepe /
 Small Find DT# 459	Artifact Name: Sling ball Material: Fired clay...	Domuztepe Excavations	Turkey / Domuztepe /
 Small Find DT# 257	Artifact Name: Sling ball Material: Fired clay...	Domuztepe Excavations	Turkey / Domuztepe /
 Small Find DT# 258	Artifact Name: Sling ball Material: Fired clay...	Domuztepe Excavations	Turkey / Domuztepe /

Individual users may "tag" items or groups of items, even from different projects. These tags can be kept private or publicly shared with other users.


Tag these 273 items as:

Tagging Comment:

Submit

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Tagging in Open Context



Community-based data sharing and tagging

BETA

You are logged in as: ekansa

Login/Account New Search Browse Selections Details My Tags

Note about the **public** tagging of
"bone points" March 28, 2006, 2:08PM

---FILTERING SEARCH (2006/03/28 14:07:50)---

Advanced search to limit the previous selection to items described with:

[((Domuztepe Excavations Material is exactly 'Bone')
OR (Domuztepe Excavations Material is exactly 'Bone / tooth')
OR (Domuztepe Excavations Material is exactly 'Bone ?')
AND ((Domuztepe Excavations Artifact Name is exactly 'Awl')
OR (Domuztepe Excavations Artifact Name is exactly 'Awl / Pin / Needle')
OR (Domuztepe Excavations Artifact Name is exactly 'Needle'))]

Number of items found: 76
Processing time: 0.2275 seconds

---END OF SELECTION HISTORY---

This selection tagged as **"bone points"**
Tag author: **ekansa**, Time of Tagging: 2006/03/28 14:08:24

---Tagging of this selection made public on 2006/03/28 14:08:35 ---


This note describes the public tagging of 76 items as *bone points*

Time of this tagging: **March 28, 2006, 2:08PM**
Note last modified: 2006-03-28 14:08:35
User who assigned this tag: **ekansa**

Tags can also help users save and share the results of complex queries. The tagging system automatically saves a selection set's search history, making review easy.

Developed by the
Alexandria Archive Institute

Tagging in Open Context



Community-based data sharing and tagging

BETA

You are logged in as: ekansa

Login/Account New Search Browse Selections Details My Tags

Browse Open Context

Projects and Collections

Project Name	Number of Views
Çatalhöyük Excavations höyük IN RE	276
Domuztepe Excavations south-centra	7583
Corneal U East Asia	295
Epidemiolog Ulcers in So	861
Hayonim: Micromorpho Mousterian, Byzantine co	464
Iraq Herit Overview of	

Public Tags

Tags are created by individual users to help further describe and organize data in Open Context. You can view tagged items and notes about a tag by clicking on a tag of your interest.

- [painted jars](#) (4 items)
- [Domuztepe dogs](#) (98 items)
- [goat metapodials](#) (47 items)
- [weaving tools](#) (171 items)
- [bone points](#) (76 items)
- [Harvard foxes](#) (5 items)
- [seals with images](#) (48 items)
- [GoogleEarth](#) (17 items)
- [obsidian beads](#) (26 items)
- [carnelian beads](#) (19 items)

Applications:

- (1) Make “database” content easier to use
- (2) Identify materials for an instructional use
- (3) Share queries, analyses with colleagues
- (4) Save and combine queries



Public Tag

"weaving tools"



Summary Information

Number of items with this tag: 171
 Tag first created on: March 27, 2006, 4:49PM
 Last tagging: March 27, 2006, 5:28PM
 Number who have applied this tag: 2









Related Tags & Discussions

Related Tag	"weaving tools" items with related tag
bone points	76

Outside Discussions (in weblogs, etc.)

[Nineveh Notes » Testing a Ping of an Open Context Tag](#)

Items tagged as "weaving tools"

Class	Item	Project Name	Tagging Date
	Small Find DT# 3205	Domuztepe Excavations	2006-03-27 16:49:32
	Artifact Name: Awl Material: Bone		
	S		2006-03-27 16:49:32
	S		2006-03-27 16:49:32
	S		2006-03-27 16:49:32
	S		2006-03-27 16:49:32
	S		2006-03-27 16:49:32
	S		2006-03-27 16:49:32
	S		2006-03-27 16:49:32
	Artifact Name: Awl Material: Bone...	Excavations	2006-03-27 16:49:32

Support of "Ping-backs"

- (1) Links results of database queries with narratives (weblogs)
- (2) Adds value with by surfacing Internet-wide discussion

Applicability for Field Research and Collections?

- We work with communities not accustomed to controlled vocabularies or formal taxonomies
- Folksonomies are easy to use and effective
 - Reduce costs by distributing integration efforts and metadata creation across the community
 - Can be adapted for research, with editorial control & recognition of credentials
 - Can facilitate future ontologies, text-mining, data-mining, etc.



Highly-specified ontologies can be difficult and costly to implement in large, diverse, non-expert communities

Future Directions

- **Continued Enhancements**
 - Revise tagging system to better recognize authorship and to be more structured
 - Enable customized “branding”, localization, and alternative presentation of content (**with iCommons.org**)
 - More fully integrate Dojo-AJAX in user interface
 - Simple GIS (OpenLayers API)
 - Charts
 - Distributed architecture / web services (**with UC Berkeley School of Information**)
- ***Your collaboration !!!***
 - Open-source development. Need to link with other tools + projects



Photo by “brent” (Found on Flickr July 1, 2006
<http://www.flickr.com/photos/bmh4you/84179796/>)

Open Context in a Nutshell

- Makes web data dissemination easy and useful for scholarship
- Incremental approach to data integration
 - Combine more formal (ArchaeoML) with more informal approaches (Folksonomy)
 - Facilitate development of robust standards
- Dynamically links research data with other web tools & infrastructure
 - Open Archives Initiative – PMH (working), Weblogs, RSS, GoogleEarth (*in development*), Zotero, etc...



Special Thanks

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Internet Archive (media repository services)

Deloitte.



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