

# Digital Repositories from the Perspective of a Web-based Consumer of Repository Services

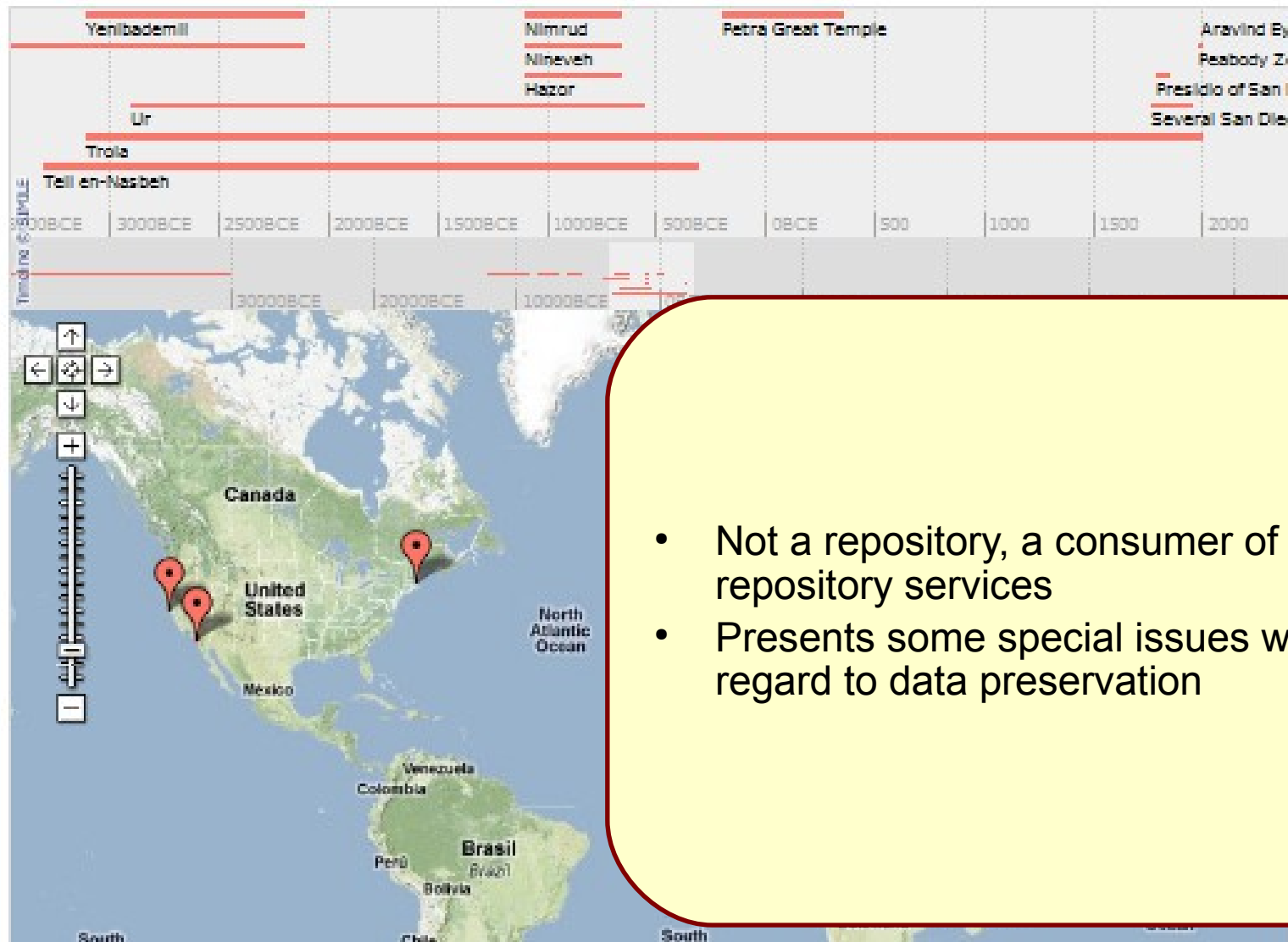
Eric Kansa  
UC Berkeley / OpenContext.org



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## Welcome to Open Context

Use Open Context to discover, reference, and publish primary data and documentation collected in archaeology and other field sciences by professional researchers. *Scroll* through the timeline and map below to begin exploring data, images, reports and field documentation.



- Not a repository, a consumer of repository services
- Presents some special issues with regard to data preservation

## The Roman Cemetery at Brougham, Cumbria Excavations 1966-67



Mark Bell and Hilary Cool, 2004

[Introduction](#) | [Overview](#) | [Downloads](#) | [Download Support](#) | [Viewers](#) | [Help](#)

### Downloads

(Data Copyright © Mark Bell and Hilary Cool)

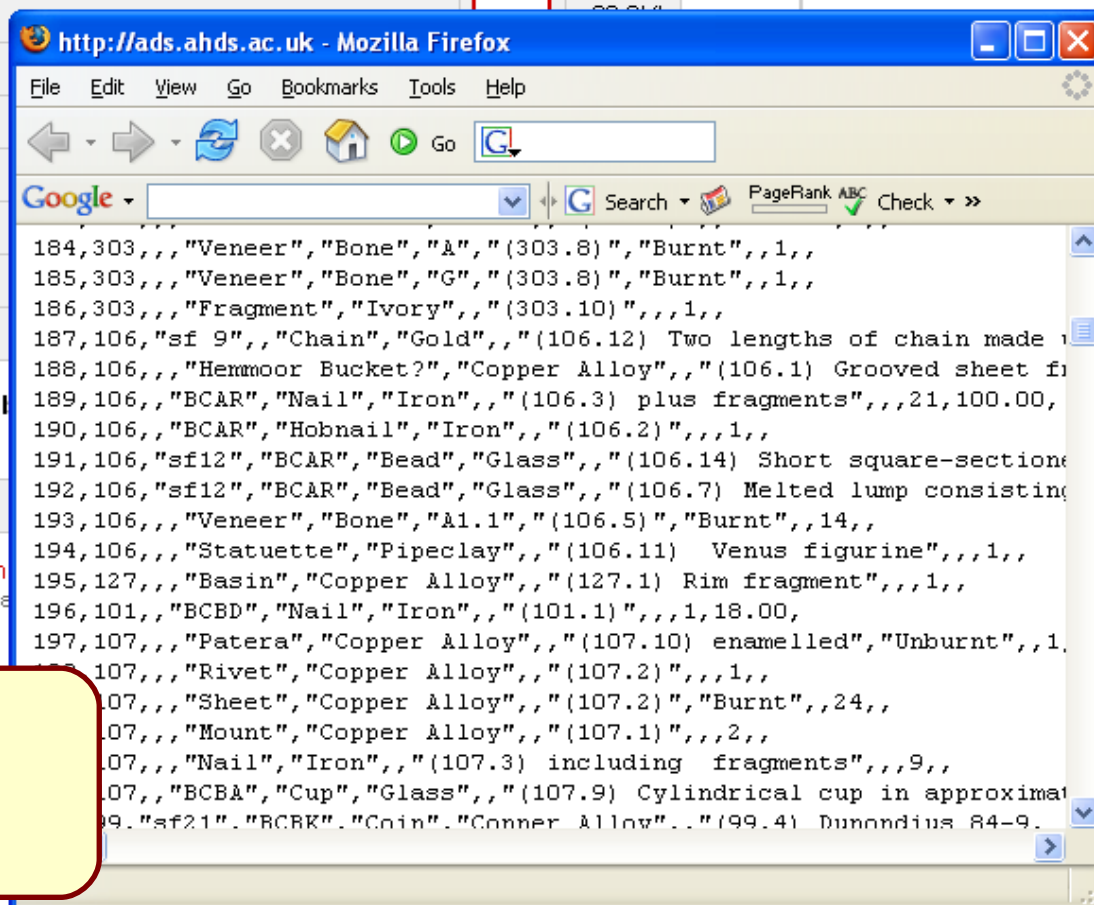
The archived database is available as a series of comma-delimited text files. To save these files, use **file --> save as** from your browser menu

Cremated_animal_bone_catalogue.csv	CSV	72.6Kb
Cremation_catalogue.csv		88.8Kb
Grave_data.csv		
Pathology_codes.csv		
Pot_catalogue.csv		
Pottery_fabric_code.csv		
Small_finds.csv		
Veneer_type.csv		

Documentation for the database is available  
from your browser menu

[brougham\\_documentation.pdf](#)

© ADS 1996-2006 Created by [Marcus Smith](#), em  
Cite only : <http://ads.ahds.ac.uk/cate>  
ADS hosts AHDS Archaeology



Data archived in the ADS



Item: Bone 100013.04

Number of Views: 198

Class: Animal Bone

Project: [Presidio of San Francisco](#)

Context (click to view): [United States](#) / [California](#) / [Presidio of San Francisco](#)

## Description (15 properties)

Bag Number	100013
NISP	1
Taxon	<a href="#">Bos taurus</a>
Common name	<a href="#">Cattle</a>
Element	<a href="#">tibia</a>
Part	<a href="#">dist shaft</a>
% preserved	<a href="#">1/4 of complete bone present</a>
Side	<a href="#">Left</a>
Distal end fused?	<a href="#">no</a>
Pathology (describe)	possible infection at lower part of caudal shaft-- bone is slightly
Root etching?	<a href="#">yes</a>
Breakage	ancient
Butchery marks	sawn across shaft transversally, at a slight angle, starting from medial side, and then ripped away at lateral before cut was finished (also has a saw slice on medial where the sawing began and then jumped to the final location)
Fragment length	<a href="#">110</a>
Photo taken?	<a href="#">photo taken</a>

## Item Notes

For the specimen label and identification number, the first set of 6 numbers before the period refers to the bag number; the numbers following the period identify specimens within the bag

## Suggested Citation:

Sarah W. Kansa. "Presidio of San Francisco: Bone 100013.04 (Animal Bone)" (Released 2010-01-29). Presidio Archaeology Lab (Presidio Trust) (Ed.) Open Context. <<http://opencontext.org/subjects/D5D2BD55-55A2-445F-9258-37A36AAC343E>>

- HTTP URIs to identify resources at a meaningful level of granularity ("a URL per potsherd")
- Use HTTP URIs published by others
- URIs act as "primary keys" allow data to be related
- Identifiers need to last

## Linked Media (9 files)



### Table: "Petra Great Temple Pottery"

Note: The data in this table comes from one project or collection. Some data relating to the records in this table may depend upon complex structures that cannot be easily represented in a table format. If you need data fully expressing such complex structures, download the XML representations of these data. To learn how to do this, please read the [web-services documentation](#).

Download this table: [CSV format](#)

Query Link	<a href="http://opencontext.org/sets/Jordan/Petra+Great+Temple?proj=Petra+Great+Temple+Excavatio">http://opencontext.org/sets/Jordan/Petra+Great+Temple?proj=Petra+Great+Temple+Excavatio</a>
Number of Records	331
Principal Analyst(s) / Observers	Shari L. Saunders
Directing / Supervisory People	Martha Sharp Joukowsky
Projects and Collections	Petra Great Temple Excavations
Time of Table Creation	2010-12-28T11:08:09-07:00
Table Generated by	Open Context Editors
Table Name	Petra Great Temple Pottery
Table Description	Description of some representative pottery recovered from the Brown University excavations at
Tags / Keywords	pottery ceramics Nabatean Hellenistic Roman Byzantine Petra Jordan
CDL Archival Identifier	ark:/28722/k2x63b461
Table Notes	This table is part 1 of 1, containing 1 to 331 of 331 total records.
Suggested Citation	Shari L. Saunders 2010 "Petra Great Temple Pottery" From projects: <i>Petra Great Temple Excavations</i> . Led by: Martha Sharp Joukowsky. Open Context Editors. Open Context. < <a href="http://opencontext.org/tables/341853c35844195860d3e0cf731f0702">http://opencontext.org/tables/341853c35844195860d3e0cf731f0702</a> > Open Context Archival Identifier, < <a href="http://opencontext.org/tables/341853c35844195860d3e0cf731f0702">ark:/28722/k2x63b461</a> >

UC3EZID  
long-term identifiers made easy

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Recent identifiers

Home Create Manage Help

Identifier ark:/28722/k2x63b461

URL form <http://n2t.net/ark:/28722/k2x63b461>

#### Object location...

URL <http://opencontext.org/tables/341853c35844195860d3e0cf731f0702>  
[Visit now](#)

#### About the identified object...

Viewing  citation profile

Creator Shari L. Saunders

Title Petra Great Temple Pottery

Publisher Open Context

Publication year 2010

Project	Linked Persons	Context (1)	Context (2)	Context (3)	Context (4)	Context (5)	Context (6)	category	Item Name	Figure Id	Pottery Form
Petra Great Temple Excavations	Shari L. Saunders	Jordan	Petra Great Temple	Upper Temenos	Trench 94	Locus none provided		Pottery	Pottery 1	101	Casser Bowl

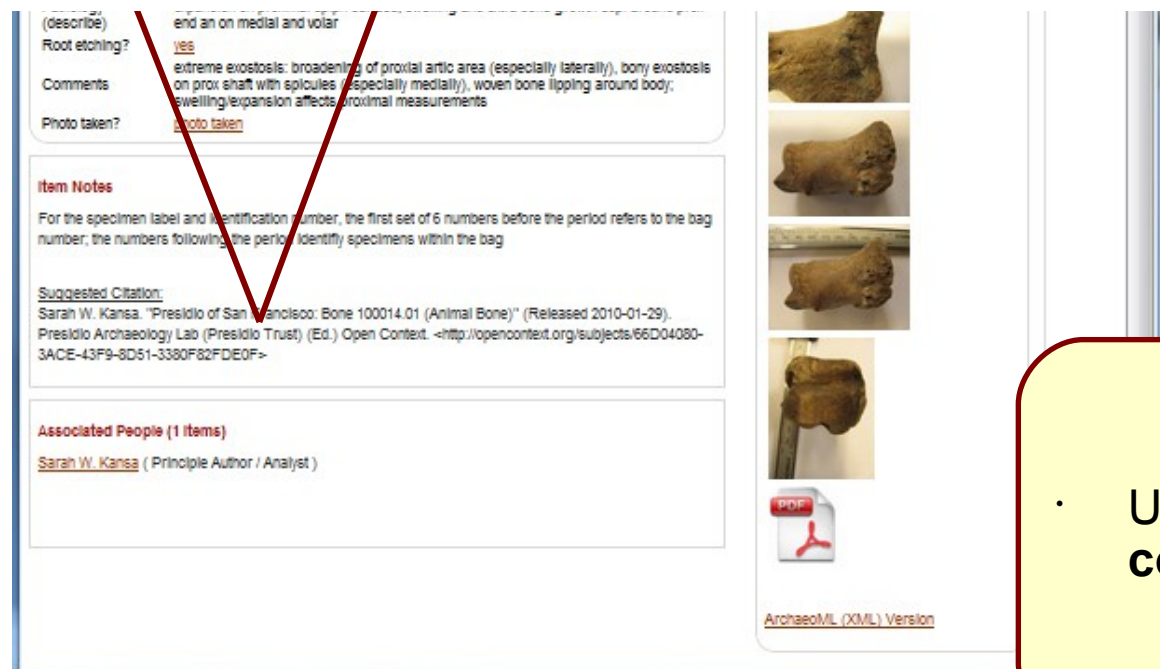
- Citation provided for each item in Open Context.
- CDL / EZID issues ARKs and DOIs, related to Open Context Web URIs.





### Suggested Citation:

Sarah W. Kansa. "Presidio of San Francisco: Bone 100014.01 (Animal Bone)" (Released 2010-01-29).  
 Presidio Archaeology Lab (Presidio Trust) (Ed.) Open Context. <<http://opencontext.org/subjects/66D04080-3ACE-43F9-8D51-3380F82FDE0F>>



- Use with Zotero make **data citation convenient!**

# Data Sharing Incentives

Positive:  
Recognition



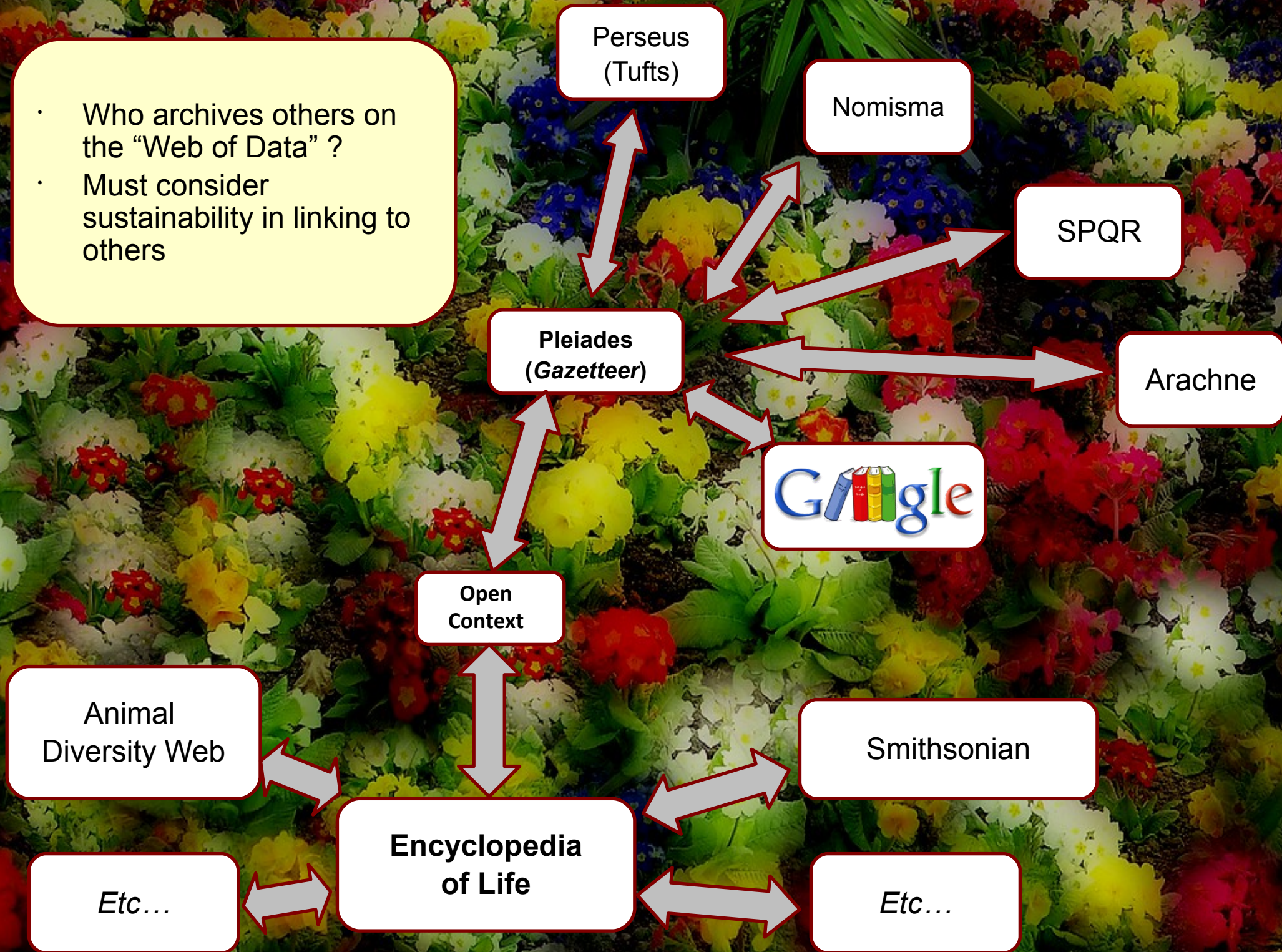
## **Data Citation:**

Reliable citation key incentive issue and essential for linking datasets with other publications





- Who archives others on the “Web of Data” ?
- Must consider sustainability in linking to others





**Open Context** Web-based research data publication BETA

Home About Projects Browse Lightbox Tables Details My Account







Click on one of the links below to further limit your view of items in Open Context.  
Or, type a search term in the box below (works like Google):

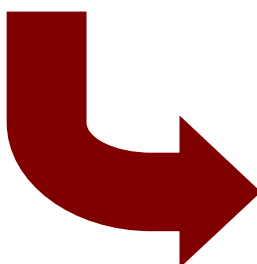
Search this Set

- Context
  - [Building 39 1075](#)
- Project
  - [Presidio of San Francisco 1075](#)
- Category
  - [Animal Bone 1045](#)
  - [Small Find 21](#)
  - [Sample 6](#)
  - [Area 1](#)
- Descriptive Variable
  - [Common name 1045](#)
  - [Taxon 1045](#)
  - [Element 1047](#)
  - [Part 1030](#)
  - [Survived? 955](#)
  - [Root etching? 555](#)
  - [Site 552](#)
  - [Proximal and fused? 325](#)
  - [Distal and fused? 194](#)
  - [Fragment length 145](#)
  - [Burn? 57](#)
  - [Color of burning 57](#)
  - [Material 21](#)
  - [Object Name 21](#)
  - [Shape 12](#)

Open Context currently has 1078 items, filtered by the following criteria:  
Contained in: [United States / California / Presidio of San Francisco](#) [Remove Filter](#)  
Project: [Presidio of San Francisco](#) [Remove Filter](#)  
Last Updated: February 15, 2010, 11:00 pm

Results: Items 1 to 10 out of 1078 items

	<b>Presidio of San Francisco</b>	<b>Animal Bone</b>	Bone 100013.04 Context: United States / California / Presidio of San Francisco / Building 39 / FA Box 9	
	<b>Presidio of San Francisco</b>	<b>Animal Bone</b>	Bone 100052.01 Context: United States / California / Presidio of San Francisco / Building 39 / FA Box 11	
	<b>Presidio of San Francisco</b>	<b>Animal Bone</b>	Bone 100054.01 Context: United States / California / Presidio of San Francisco / Building 39 / FA Box 11	



Data portability with Web standards (Atom, JSON, KML) and more specialized standards (ArchaeoML, RDF, OAI-PMH)

**BONE COMMONS** An online community building and sharing resources for archaeozoology  
Sponsored by the International Council for Archaeozoology - ICAZ

## Datasets

This page is currently testing Web services for interacting with faunal datasets published in Open Context. These datasets can be used for further research, teaching, or comparison. Open Context will shortly have features to enable download of tables of records that users select from multiple projects.

To publish your own data that can be searched and viewed here, please contact the editors of Open Context at [publications@opencontext.org](mailto:publications@opencontext.org)

### Search Filters:

**Spatial Context:** [United States \(1045\)](#)  
**Project or Collection:** [Presidio of San Francisco \(1045\)](#)  
**Category:** [Animal Bone \(1045\)](#)  
**Descriptive Property:** [Common name \(1045\)](#), [Taxon \(1045\)](#), [Element \(1047\)](#), [Part \(1030\)](#), [% preserved \(955\)](#), [Root etching? \(555\)](#), [Side \(551\)](#), [Proximal and fused? \(325\)](#), [Distal and fused? \(194\)](#), [Fragment length \(145\)](#), [Burn? \(57\)](#), [Color of burning \(57\)](#), [Photo taken? \(11\)](#), [Sex \(5\)](#), [Age 2 \(1\)](#)  
**Related People:** [Sarah W. Kenes \(1045\)](#)  
**Approx. Date Range:** [1750 CE to 1850 CE \(1045\)](#)










Run a full text search of this collection:

### Filters

**Project:** [Presidio of San Francisco \(Remove this filter\)](#)

**Number of Items Found: 1045 (Reset Search)**

Records: Page 1 of 44 Pages

	Bone 100013.04 (Animal Bone from the Presidio of San Francisco project)		Bone 100052.01 (Animal Bone from the Presidio of San Francisco project)		Bone 100054.01 (Animal Bone from the Presidio of San Francisco project)
	Bone 100014.01 (Animal Bone from the Presidio of San Francisco project)		Bone 100004.12 (Animal Bone from the Presidio of San Francisco project)		Bone 100052.02 (Animal Bone from the Presidio of San Francisco project)
	Bone 100050.18 (Animal Bone from the Presidio of San Francisco project)		Bone 100005.12 (Animal Bone from the Presidio of San Francisco project)		Bone 100005.20 (Animal Bone from the Presidio of San Francisco project)

[Collection home](#)[Add object](#)[Change collection](#) ▼Object: [ark:/13030/m50k26k3](#)[Merritt](#) > [Collection: UCB Open Context collection](#) > Object: [ark:/13030/m50k26k3](#)[Object Lookup](#) 

Search object author, title, date or identifier.

[Justin Lev-Tov](#). **Hazor: Zooarchaeology: Bone 0400 (Animal Bone)****primary identifier:** [ark:/13030/m50k26k3](#)**title:** Hazor: Zooarchaeology: Bone 0400 (Animal Bone)**creator:** Justin Lev-Tov**date:** 2006-05-12T00:00:00-07:00**local id:** <http://opencontext.org/subjects/HazorZooSPA0000007513>**last modified:** 2011-03-08 04:35 pm**created:** 2011-03-08 04:35 pm**total size** (all versions): 47.4 KB**total versions:** 1[Current Version](#)**Version 1:** 2011-03-08 04:35 pm

- [animal\\_bone\\_50x50.jpg](#)
- [HazorZooSPA0000007513](#)
- [HazorZooSPA0000007513.atom](#)
- [HazorZooSPA0000007513.xml](#)

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[Image cre](#)

- CDL accessioing materials by reading Open Context Atom feeds
- Versioning, curation, format migration, metadata documentation (MARC, Atom, ArchaeoML)
- Institutionally to CDL, Open Context is a UC Berkeley **library**

[Collection home](#)[Add object](#)[Change collection ▼](#)Object: [ark:/13030/m50k26k3](#)[Merritt](#) > [Collection: UCB Open Context collection](#) > Object: [ark:/13030/m50k26k3](#)[Object Lookup](#) 

Search object author, title, date or identifier.

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- [HazorZooSPA0000007513.xml](#)

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- Not hugely efficient right now. Need to synch back to reconcile CDL's archival identifiers with our identifiers.
- Crawling ("pull" approach) versus a "push" approach



# Data Publishing



github

Search...



Explore Gist Blog Help

ekansa



PUBLIC



ekansa / Open-Context-Data

Pull Request

Unwatch

Star

3

Fork

1

Code

Network

Pull Requests 0

Issues 0

Wiki

Graphs

Admin

branch: master

Files

Commits

Branches 2

Tags

Downloads

Open-Context-Data / Commit History

Jul 01, 2012



Kenan Tepe document/logs files for all areas but F

ekansa authored a month ago



Media metadata files for Kenan Tepe update (all areas but F)

ekansa authored a month ago



Fixed minor error with project root query path

ekansa authored a month ago



Update to Kenan Tepe project description, root links fixed and added ...

ekansa authored a month ago

550e83dc27

Browse code



Kenan Tepe Location + Object records, all areas but F

ekansa authored a month ago

1e199d8e75

Browse code

Jun 30, 2012



Initial Commit of Rough Cilicia

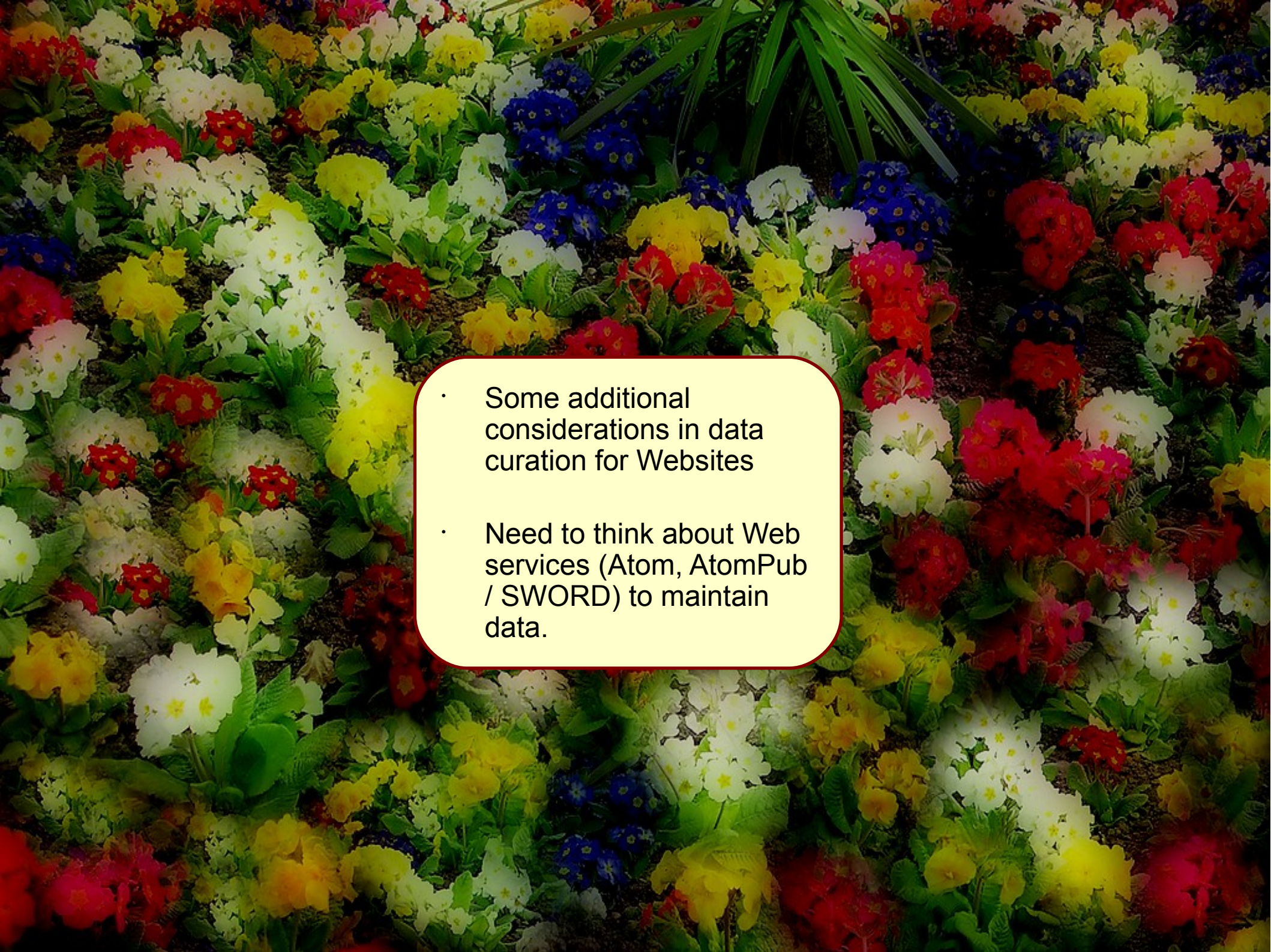
ekansa authored a month ago

0b73627ffa

Browse code

- Future possibilities of integrating Git version control with trusted repositories?
- Advantages: distributed, tools and services, community.



- 
- Some additional considerations in data curation for Websites
  - Need to think about Web services (Atom, AtomPub / SWORD) to maintain data.