

# Austrian archaeological data & archiving options

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# 1. OREA-ÖAW data inventory

## 2. Archiving options



# OREA data inventory

## ARIADNE WP3 - Standards & Interoperability

- Survey of metadata to register data at the ARIADNE data registry tool ACDM
- Overview of resources held at OREA
- Assessment of data standards, data management practices & user needs

# Metadata Recording System

General	ID
	Sub-ID
	Title
	Dataset/Collection
	Digital/analogue
	File name (digital)
	Start date (year)
	Status – ongoing/finished
	Location
Content	Type
	Content
	Language
	Geographical Area
	Region/Country
	Archaeological Period
	Period start
	Period end
Technical Aspects	Software
	Size in MB (digital)
	No of tables (digital)
	No of rows (digital)
	Size collection (analogue)
	Update periodicity
	Last updated
Legal Aspects	Organisation
	Institute
	Department
	Contact
	Project number(s)
	Notes

**Dataset ID:** 000 name

*Interview from 2014/mm/dd name of interviewer and interviewed person*

1. **Metadata Schema or standards used (i.e. Dublin Core)**  
Is there a metadata schema used? Which?
2. **URL/DOI if accessible online**  
URL of the online dataset or download link
3. **Documentation of dataset (check if present)**
  - a. **Analogue (maps, drawings)**  
Additional documentation of digital datasets
  - b. **Digital (maps (scans, AutoCAD-, GIS-files, photos)**  
Additional documentation of digital datasets
  - c. **Publications**  
publications regarding the resource (e.g. about online databases) but also regarding excavations, archaeological sites etc.
4. **Description (more details about contents)**
5. **History of dataset: why was the dataset made, how got the collection together, etc.**
6. **Copyright/licenses:**
  - a. **Owner, if not ÖAW (datasets created during employment at the ÖAW are owned by the ÖAW)**
  - b. **Creator of dataset (if not contact person)**
  - c. **Publisher, if dataset is published online (e.g. ÖAW Verlag)**
  - d. **License if published online (e.g. cc license)**



Prehistory, archaeological fieldwork, material studies  
interdisciplinary work (e.g. archaeozoology,  
anthropology, geoarcheology)

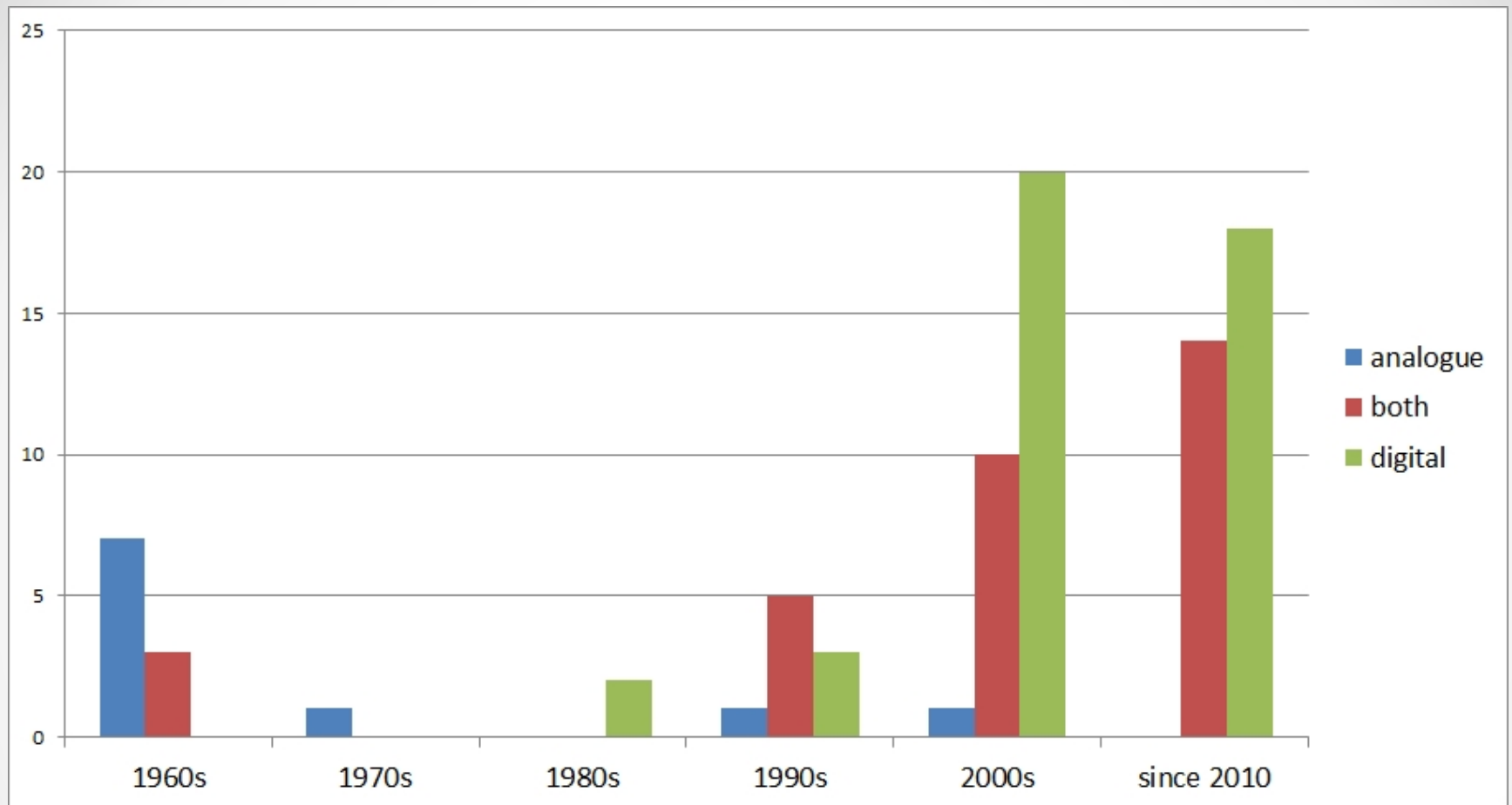
2013 Commissions

→ Departments:  
Aegean & Anatolia  
Egypt & the Levant  
Europe

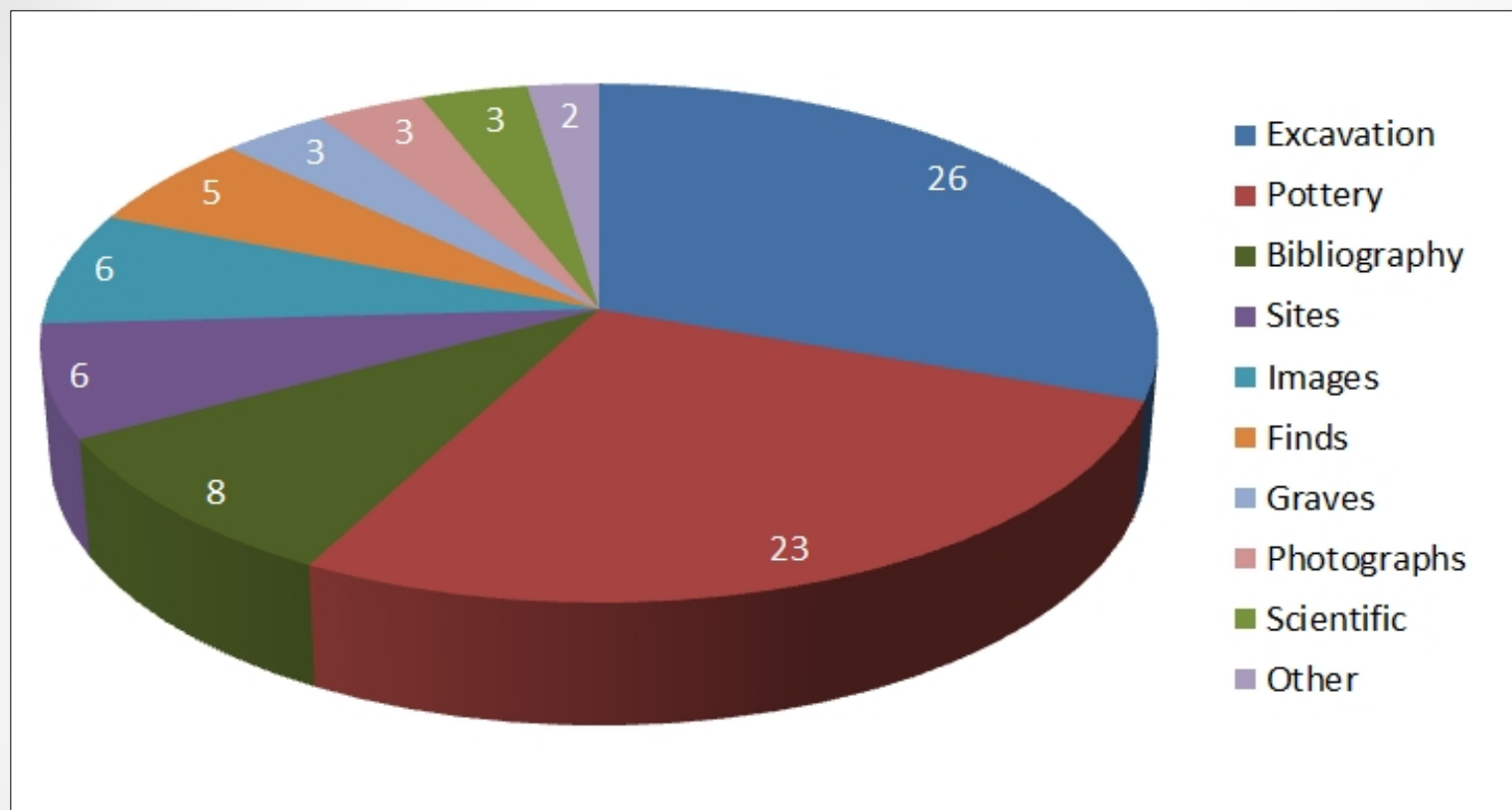
Research groups

- Tell el-Dab'a (Egypt)
- Quaternary
- AAPP Anatolian Aegean  
Prehistoric Phenomena
- Across Borders (Egypt)
- Mycenaean Agaeian
- Digital Archaeology

Department	Projects	Resources	Analogue	Digital	Both	ongoing	finished
Department for Aegean and Anatolia	32	34	1	22	11	21	13
Department for Egypt and Levant	7	27	9	7	11	21	6
Department for Europe	20	24	0	14	10	18	6
OREA total	59	85	10	43	32	60	25

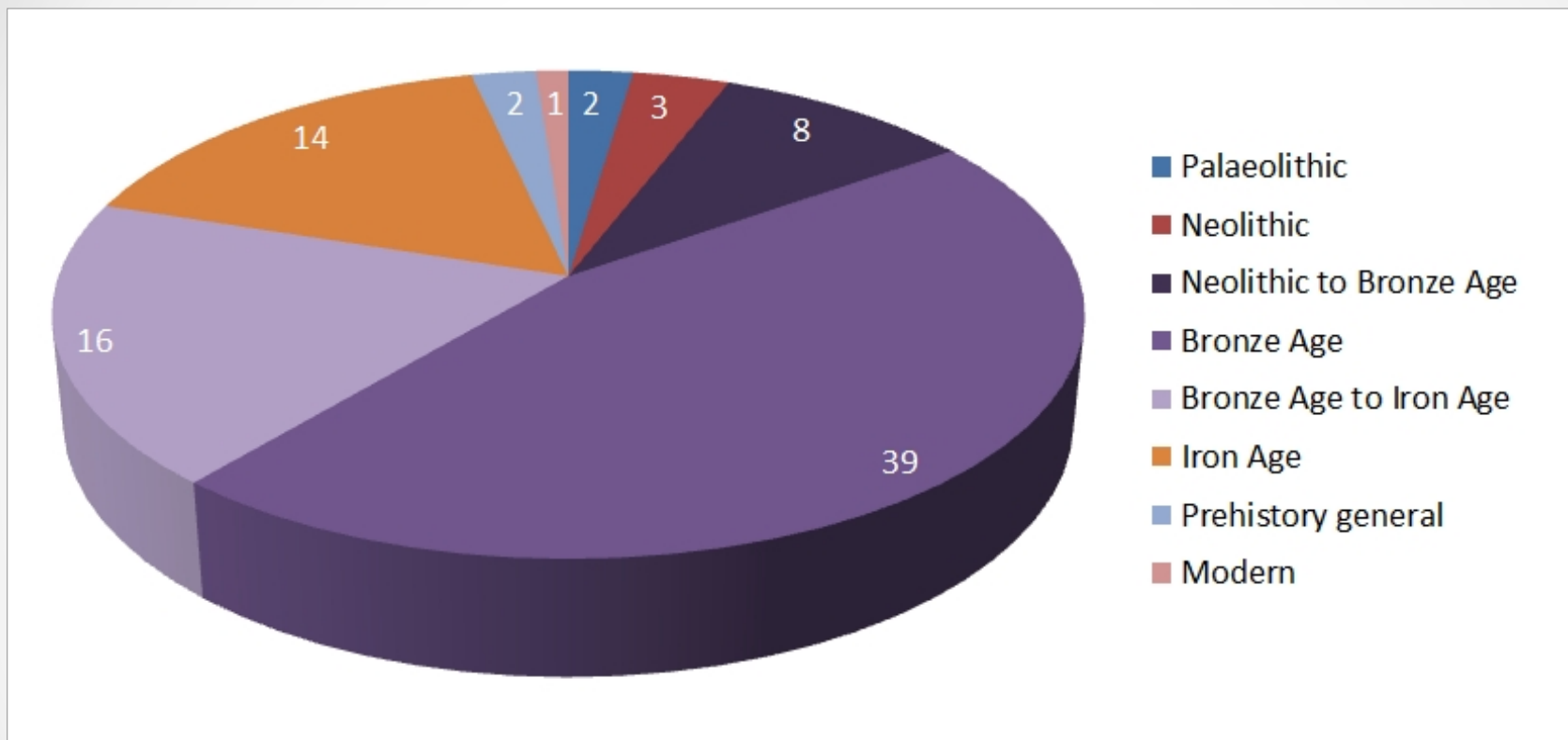


Number of analogue/digital/both resources by their starting dates (decades).

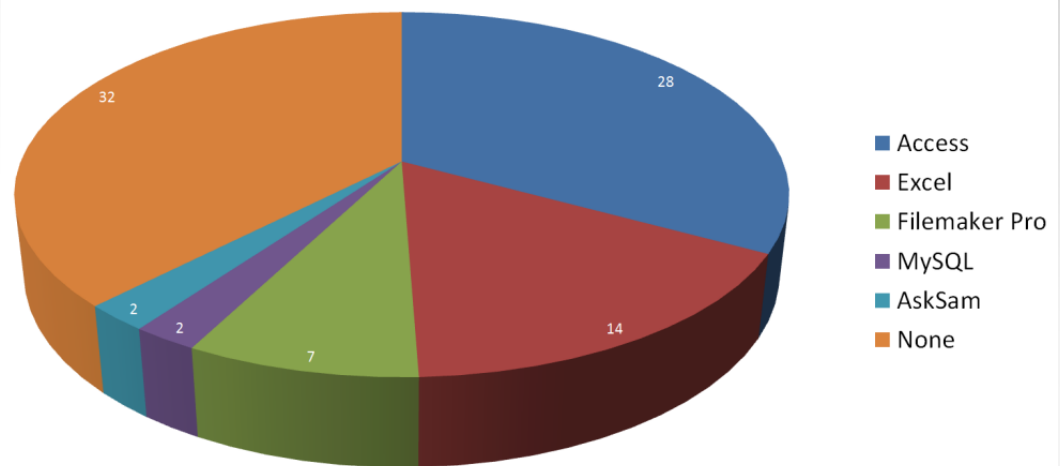


Number of resources by type of content.





Number of resources by archaeological period.



Type of Data	Software	File formats	Complexity	Total size
Texts	Microsoft Word	doc, docx,		
Images	Adobe Illustrator, Photoshop, Corel Draw	jpg, raw, tif, cdr, psd		
Graphics	Adobe Illustrator/Photoshop, AutoCAD	ai, dwg, dxf, psd, jpg, tif		
Databases	Access, Excel, Filemaker Pro, MySQL, AskSam, Endnote	Mdb, ask, xls, xlsx, fm, enl	- linked images	2700 MB (depending if compressed)
GIS data	QGIS, ArcGIS, ArcScene	Shapefiles		
3D models	Agisoft,	obj, dae		
Videos	Quick time, VLC, Windows media player	Mov, mp4, mp3		

# Options for data archiving?

[Find](#)

Search results for:

Total number of results: **11**Showing results: **1-11****Digital Archaeological Record, The (tDAR)**

The Digital Archaeological Record enables researchers to contribute knowledge about human history, a...

**Archaeology Data Service****Archaeology** Data Service (ADS) provides archaeological data from the early prehistoric to present in...**Arts and Humanities Data Service (AHDS)**

The Arts and Humanities Data Service [AHDS] was a UK national service aiding the discovery, creation...

**Open Context**

Open Context is an open source discovery tool for the publication of data collected in Archeological...

From 11 results only **4** are archaeological repositories!

ed at the University of Edinburgh, across a var...

Canada data to the public as potential driver for...

British Antarctic Survey (BAS) has, for over 60 years, undertaken the majority of Britain's scientif...

**ARTstor**

The ARTstor Digital Library is a nonprofit resource that provides more than one million digital imag...

**Chinese Forestry Scientific Data Centre (CFSDC)**

...

**tDAR (The Digital Archaeological Record)**

The Digital Archaeological Record (tDAR) is an international digital repository for the digital reco...

**Data Archiving and Network Services (DANS)**

Promotes sustained access to digital research data relating to scientific databases and e-publicatio...

# INTERNATIONAL ARCHAEOLOGY REPOSITORIES



Archaeology Data Service (ADS), UK



Data Archiving and Network Services (DANS), NL



Digital Archaeological Record (tDAR), US



Open Context, US

## AUSTRIA, INSTITUTIONAL REPOSITORIES



EPUB.OEAW, Austrian Academy of Sciences

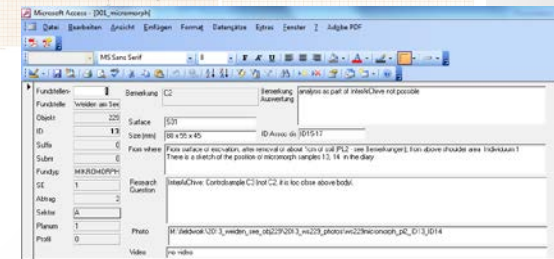
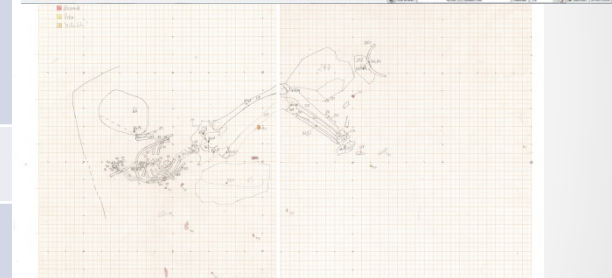
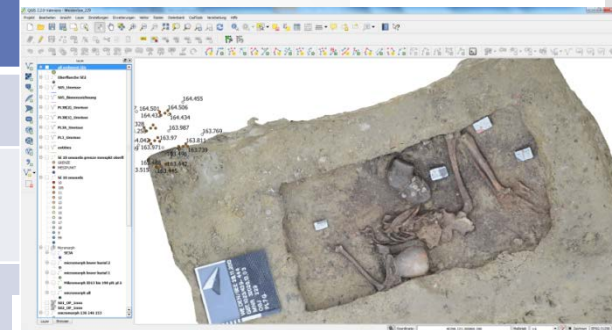


Phaidra, University of Vienna library









GAMS, ACDH University of Graz

Type of Data	Format	No Items (17/11/2014)	Size (17/11/2014)	Estimated no items to archive (17/11/2014)
Texts	doc, docx, pdf		?	20-30
Database (excavation & case study sites)	mdb	1 (6 tables)	2,8MB	1 (6+ tables)
Image data (excavation, orthophotos, micromorphology , osteology)	jpg, raw (excavation) , tif (orthophoto s, DEM)	2585 (excavation)	26,1 GB (all photos from excavation)	300
Videos (excavation)	mov	22	4,78GB	5
Graphics (maps, reconstructions)	ai	7	8,5MB	10
3D models (SFM excavation)	obj, dae	20		10
GIS data (excavation, QGIS, future: ArcScene)	shapefiles	20	2MB	



17/11/2014 Data post-doc project ,Microtaphonomy and interpretation of reopened graves' (Edeltraud Aspöck)



Question	ADS	tDAR	Open Context	DANS
Do you support archiving project data from other countries/Austria?				  (not yet)
Is it possible to archive German-language data?	 If enriched with English metadata	 If enriched with English metadata	 If enriched with English metadata	  (not yet)
How long do you guarantee archiving?	,Long-term‘	,Long-term‘	,Long-term‘	,Long-term‘
Is there access to data so to be searched, cited and re-used without restrictions free of charge via internet?	 Depends on data provider	 Depends on data provider	 Depends on data provider	Depends on data provider; for most data user has to register & be archaeologist to view/download 
What are the costs?	490 £/612 € (self upload)  859£ (support) without 3D files	10.000\$	250 - 6000\$	250€/upload







? Project Funding Type: ☐ AHRC applicants ☒ All other users

? Data Type:  File Extension:  Quantity:

Data Type	File Extension	Quantity (File)	Unit Price	Unit Price (Total)	Remove
Text	docx	30	£1.00	£30.00	<input type="button" value="Remove"/>
Database	mdb	1	£3.00	£3.00	<input type="button" value="Remove"/>
Image	jpg	300	£1.00	£45.00	<input type="button" value="Remove"/>
Image	raw	300	£1.00	£45.00	<input type="button" value="Remove"/>
Video	mp4	5	£3.00	£15.00	<input type="button" value="Remove"/>
Laser scanning	obj	10	£0.00	£0.00	<input type="button" value="Remove"/>
Virtual reality	x3d	10	£4.00	£40.00	<input type="button" value="Remove"/>
GIS	shp	20	£3.00	£60.00	<input type="button" value="Remove"/>
Vector	ai	10	£2.00	£20.00	<input type="button" value="Remove"/>

Subtotal	£258.00
Multi Buy Saving	-£510.00
<b>TOTAL</b> (incl. £150.00 project start up fee & VAT 20%):	<b>£489.60</b>
If you choose to deposit by traditional methods, the estimated price is considerably higher at: <a href="#">read more</a>	£859.20*

Type of Data	File formats	ADS	tDAR	Open Context	DANS
Texts	doc, docx, pdf	yes	yes	Yes (open formats preferred!!)	yes
Database	mdb	yes	yes	yes	yes
Image data	jpg, raw, tif	yes	Jpg, tif yes, raw?	yes	Jpg, tif yes, raw?
Videos	mov	no	no	yes	yes
Graphics	ai	yes	no	yes	yes
3D models	obj, dae	obj yes, dae?	no	yes	no
GIS data	shapefiles	yes	yes	yes	yes

Question	EPUB.OEAW	Phaidra UniVie	GAMS ACDH UniGraz
Do you support archiving project data from other institutions in Austria?	 Only data where OEAW was involved in the project	 Guest account OR phaidra national; ,project‘ proposal has to be written	 Not a repository that takes data from outside – project related data!
How long do you guarantee archiving?	10 years minimum	Forever	10 years that is as long as data migration is possible
Is there access to data so to be searched, cited and re-used without restrictions free of charge via internet?	 Depends on data provider	 Depends on data provider	 Depends on data provider
What are the costs?	For free (only for OEAW)	Project specific /no comparable arch. data yet. Archiving/publishing?	Project specific
Technical requirements?	Take all formats, Metadata minimum is DC	Take all formats, best practice with other (jpg+raw). Metadata minimum is DC, new	Rather restrictive – non-proprietary formats, project-specific

# Discussion

- Preserving of data no problem
- Expertise for archaeological data, guidance through research process (good practice, data management) only abroad
- Need for experts for archaeological data in Austria

# List of images used:

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<http://vias-dendro.univie.ac.at/dendrochronologie/methoden/>
- Stratigraphy: © Canterbury Archaeological Trust  
<http://www.lparchaeology.com/prescot/learning/what-is-stratigraphy>
- Anthropologists: Juraj Lipták, LDA Halle  
[www.uni-kiel.de/download/pm/2010/2010-103-3.jpg](http://www.uni-kiel.de/download/pm/2010/2010-103-3.jpg)
- Copper axe: Amt für Archäologie Thurgau  
[http://www.planet-wissen.de/politik\\_geschichte/urzeit/Jungsteinzeit/](http://www.planet-wissen.de/politik_geschichte/urzeit/Jungsteinzeit/)
- Record Sheet: Museum of London  
<http://blog.museumoflondon.org.uk/wp-content/uploads/2012/02/skeleton-record-sheet-Small1.jpg>
- Others: OREA, ÖAW