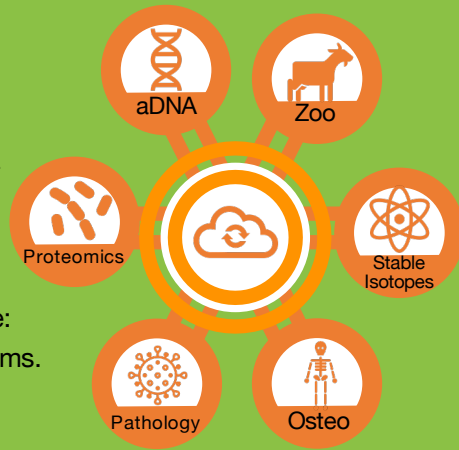


Are you being FAIR with bioarchaeological data?

Background:

- Bioarchaeology is becoming “big data” .
- This is from a finite amount of material.
- Data can be made FAIR (Wright and Richards 2020).
- In this work:
 - FAIR was defined.
 - A questionnaire was completed by 154 bioarchaeological specialists to determine:
 - Level of interactivity between specialisms.
 - How FAIR bioarchaeology is.
 - Solutions were proposed.



Is it FAIR?						
F	Persistent identifiers	✓	-		✓	-
	ORCIDiDs	✓		-	✓	✓
A	Open Access	✓	✓		✓	✓
	Raw accessible	✓		-	✓	✓
I	Metadata	✓			✓	
	Data type	FASTQ	PDF	PDF	RAW	PDF
	Level of process	Raw	Fully	Partly	Raw	Fully
R	Copyright (none)	✓	✓	✓	✓	✓
	Syst. Doc.	✓	✓	-	-	
	Data reused	✓	✓	✓	-	✓
DMP	Create	✓			✓	✓

Results:

Summary of results

Key: **F** **A** **I** **R** **DMP** Percent ##
 ← Most achieved element

	Open Copyright	ORCID	Open Access	Raw data Accessible	Syst. Doc.	Create DMPs	Persistent Identifiers	Metadata Schema
	86	100	100	100	71	57	71	57
	100	100	100	100	50	75	100	75
	100	100	67	100	38	56	50	25
	75	33	75	43	71	13	-	14
	86	64	63	47	35	24	40	20
	67	50	-	50	50	33	50	-

>50% participants ✓
 50% participants -

- Reuse of data is important.
- Some extent of reuse present.
- No standardised process.
- Data is not FAIR.

Link to the data: <https://tinyurl.com/8sep4dj8>

Find able	Persistent IDs/ ORCIDiDs/ Citations ID	Metadata schemas 	PIDs in metadata 	FAIR	
Access ible	Communication protocols 	Harvestable metadata and Endpoints 	Open Access 	Repositories 	Define Needs Analysis
Inter operable	Metadata models 	Standardised file formats 	Ontologies 	Controlled vocabulary 	Evaluate Solutions
Reus(e) able	Future ready 	Systematic documentation (syst. doc.) 	Naming conventions 	Detailed metadata 	Legal requirements

We **NEED** to make Bioarchaeological data **FAIR**

Solution:

- Standardised data management procedure
- “Google-style” Federated Search Interface
- “as open as possible, as closed as necessary” (Landi *et al.* 2020).
- More training of why FAIR matters
- Universal Persistent Identifiers for artefacts

Thanks:

The Archaeology Data Service, Jessica Hendy, Holly Wright and those that completed the survey.

Want **help**? Please let me know.
 For a copy of the report or help/support in similar projects contact me at:
AlfieTalks@live.co.uk
www.AlfieTalks.com/

References:

Landi, A., Thompson, M., Giannuzzi, V., Bonifazi, F., Labastida, I., da Silva Santos, L. O. B., and Roos, M. (2020). The “A” of FAIR—as open as possible, as closed as necessary. *Data Intelligence*, 2(2), 47-55. 1

Wright, H. and Richards, J. (2020). *D.5.3 Data Curation Policy*. E-RIHS. [Online]. Available at: <https://doi.org/10.1080/00934690.2018.1511960> (accessed 13 May 2020).