

FAIR self assessment project Machine learning dataset creation for Australian fish species from Baited Remote Underwater Videos (BRUV)						
Completed 17/10/2019						
Questions for each FAIR component ↓		Answer options: Increasingly FAIR -->				
<b>FINDABLE</b>						
Q1	Does the dataset have any identifiers assigned?	No identifier	Local identifier	Web address (URL)	Globally unique, citable and persistent identifier (e.g. DOI, PURL, or Handle)	
A1	Start of project	No identifier				
	End of project	Not yet however plans for near future				
	Future goal				DOI in AIMS catalogue	
Q2	Is the identifier included in all metadata records or metadata files describing the data?	No	Yes			
A2	Start of project	No				
	End of project	Not yet however plans for near future				
	Future goal				Metadata in AIMS catalogue and syndicated to AODN and RDA	
Q3	Is the data described by a metadata record?	The data is not described	Brief title and description	Brief title and description, and multiple other fields filled out, albeit briefly.	Comprehensively (a min metadata template will be provided) using a formal machine-readable metadata schema.	
A3	Start of project	No				
	End of project	Not yet however plans for near future			Metadata in AIMS catalogue and syndicated to AODN and RDA	
	Future goal					
Q4	What type of repository or registry is the metadata record in?	The data is not described in any registry or repository	Local institutional repository	Domain-specific repository	Generalist public repository	Data is in one place but discoverable through several places (i.e. other registries, RDA, Google Data Search)
A4	Start of project	n/a				
	End of project	n/a see above				
	Future goal					
<b>ACCESSIBLE</b>						
Q5	How accessible is the data? Note: The access method (s) must be explicitly stated in the metadata record, e.g. if any authentication is needed, or there are any restrictions to access.	No metadata record	Access to metadata only	Unspecified access conditions e.g. "contact the data custodian to discuss access"	Embargoed access after a specified date; or A deidentified version of the data is publicly accessible	Fully accessible public, or to persons who meet and follow explicitly stated conditions and processes, e.g. ethics approval for sensitive data
A5	Start of project	No				
	End of project	Not yet - requires review by ecologist. Expected to be available within weeks.				
	Future goal					Publicly accessible via Amazon and Amazon Glacier
Q6	Is the data available online without requiring specialised protocols or tools once access has been approved?	No access to data	By individual arrangement	File download from online location	Non-standard web service (e.g. OpenAPI/Swagger/informal API)	Standard web service API (e.g. OGC)
A6	Start of project	No access to data				
	End of project			Yes when available		
	Future goal			Yes		

Q7	Does the repository/registry agree to maintain the persistence of the metadata record, even if the data product is no longer available?	No (or not applicable, if no metadata record exists)	Unsure	Yes		
A7	Start of project	n/a				
	End of project	Not yet				
	Future goal			Yes		
<b>INTEROPERABLE</b>						
Q8	Are the data available in (an) open (file) format(s)?	Data are mostly available only in a proprietary format	Data are available in an open format	Data are available in an open, documented, widely-used standard format (i.e. NetCDF, CSV, JSON, XML, etc)		
A8	Start of project	n/a				
	End of project	yes		Yes		
	Future goal			Yes		
Q9	Are the data is machine readable?	The data are unstructured	The data are structured and machine-readable (i.e. csv, JSON, XML, RDF, database files, etc)			
A9	Start of project	n/a				
	End of project		Yes			
	Future goal		PNG files for imagery, AVI files for videos, CSV files for metadata			
Q10	What best describes the types of vocabularies/ontologies/tagging schemas used to define the data elements?	Data elements are not described (i.e. fields or objects are labelled with codes or not at all)	Data elements are described (so that a human user can correctly interpret the data), but no standards have been used in the description	Recognised standards have been used in the description of data elements, but no published vocabularies with resolvable URIs are used	Published vocabularies using resolvable identifiers linking to explanations are used, so that the data can be read and understood by machines as well as humans.	Published vocabularies using <b>persistent</b> resolvable identifiers linking to explanations are used, so that the data can be read and understood by machines as well as humans.
A10	Start of project	n/a				
	End of project			Yes - community standards		
	Future goal			Include CAAB codes		
Q11	How is the relationship to other data and resources (e.g. related datasets, services, publications, etc) described in the metadata, to provide context around the data?	There are no links to other metadata or data	The metadata record includes URI links to related metadata, data and definitions	Qualified links to other resources are recorded in a machine readable format, e.g. a linked data format such as RDF		
A11	Start of project	n/a				
	End of project	Not yet				
	Future goal		Yes - ISO			
<b>REUSABLE</b>						
Q12	Which of the following best describes the license (usage rights) attached to the data?	No license is applied	Non-standard license applied, without a license deed URL encoded in a machine-readable format (e.g. RDF/XML) in the metadata record	Non-standard license applied, WITH the license deed URL encoded in a machine-readable format (e.g. RDF/XML) in the metadata record	Standard license applied (e.g. Creative Commons), without a license deed URL encoded in a machine-readable format (e.g. RDF/XML) in the metadata record	Standard license applied (e.g. Creative Commons), WITH the license deed URL encoded in a machine-readable format (e.g. RDF/XML) in the metadata record
A12	Start of project	n/a				
	End of project				Yes	
	Future goal					Yes
Q13	How much provenance information has been captured to facilitate data reuse? i.e. project objectives, data generation/collection (including from external sources) and processing workflows.	No provenance information is recorded	Partially recorded	Comprehensively recorded in a text format (i.e. TXT or PDF)	Comprehensively recorded in a machine readable format (i.e. in metadata record's schema or PROV, or in RDF, JSON, NetCDF, XML, etc)	
A13	Start of project	n/a				
	End of project		Partially			
	Future goal				Yes	
Q14	Does the metadata state how you wish your data to be cited?	No	Citation does not include identifier	Citation includes identifier		

A14	Start of project	n/a			
	End of project	Not yet			
	Future goal		Yes		