



# FSDF Discoverability & Consumeability Roadmap 2017-2018

The FSDF Discoverability and Consumeability Roadmap, is a series of coordinated projects to improve user data discovery, access and consumeability to all datasets registered within the FSDF LINK (Inputs, Aggregations, Outputs). The principals of the roadmaps is to ensure there is consistency in the way standards and approaches are taken for FSDF dataset discovery, access and consumption.

## Consumeability Project goals

- Product can be physically accessed
- At a minimum a simple web service exists (i.e WMS), preference is WFS
- Common symbology is implemented for web services nationally
- Common attribution is implemented for web services nationally
- Common datum and projection is implemented for web services nationally
- Product name is consistent between FSDF custodians
- Formal best practice guide for publishing dataset published

## Discoverability Project goals

- Metadata record is at the dataset level (not aggregated to database)
- Metadata record is standards compliant (19115)
- Metadata record is consumable via CSW
- Metadata contains link to actual dataset and service node
- Metadata contains FSDF Tags
- Metadata is persistent and URL for the link is change managed (if change is require)
- Vocabularies are documented for each FSDF dataset

## Measures of Success

- Every FSDF datasets metadata is harvestable within the FSDF LINK and in data.gov.au
- Every FSDF dataset is on National Map with consistent symbology, naming, datum's and attribution
- Data discovery is enhanced via published vocabs
- Metadata business and social knowledge is exposed via documentation

## Roadmap Legend

PMO - GA	FSDF Program Management Office – Geoscience Australia
ICSM	Intergovernmental Committee on Surveying and Mapping
ANZLIC	Australian & New Zealand Land Information Council
TF	FSDF Dataset Taskforce
MDWG	Metadata Working Group
Custodian	FSDF Dataset Custodian (input, aggregation or output)

## Consumeability Roadmap

Identify datasets of focus (roads)	PMO - GA							
Establish dedicated PCTI taskforce		ICSM						
FSDF Taskforce established - Chair GA			TF					
Recommendation document focusing on dataset:			TF					
~ Symbology			TF					
~ Attribution convention - or common ontology			TF					
~ Common naming conventions (to improve discoverability)			TF					
~ Datum - projection - 2d v 3d			TF					
~ Vocabularies			TF					
~ Output: Recommendations document for publishing dataset service			TF					
Alignment of recommendations with other initiatives					PMO - GA			
Review, endorse & publish dataset recommendations						ICSM		
Published recommendations document for publishing webservice								
Individual projects scoped to address custodial change projects							PMO - GA	
Collaborative projects to implement change with custodians								PMO - GA PMO - GA
to implement recommendations and ensure every dataset is published as a wms as a minimum								Custodian Custodian

## Discoverability Roadmap

Establish National metadata working group with representation from jurisdictional metadata experts	PMO - GA							
	ICSM							
	ANZLIC							
	MDWG							
Develop best practice guide for implementing and managing MD			MDWG					
ICSM review MD best practice guide, table for ANZLIC endorsement				ICSM				
ANZLIC endorse MD best practice guide and publish					ANZLIC			
~ ANZLIC best practice guide for managing metadata published					ANZLIC			
Metadata maturity framework developed	PMO - GA							
Current state of metadata documented and maturity assessed		PMO - GA						
Recommendations on how to transform issues in current state of national capabilities			MDWG					
Ensure recommendations are consist with other initiatives i.e. EMSINA					PMO - GA			
Individual projects scoped to address custodial metadata issues						PMO - GA		
Document metadata elements bespoke to specific dataset, for consideration within metadata statement							TF	
Collaborative projects activated with custodians to ensure FSDF metadata is consistently implemented, accessible via CSW's								PMO - GA PMO - GA
								Custodian Custodian

## Realised benefits from the Discoverability and Consumeability Roadmaps

### End User

- Reduction in cost to access the data – through discoverable data download or web service
- Fast and easy access to the data – through improved metadata and linked vocabularies
- Reduced complexity in the use of the data - through consistent web services and data access
- Increased interoperability with other datasets - through consistent web services
- Improved decision making off trusted data - through actively governed supply chains
- Transparency in how the data was made and what is planned for the datasets future -through consistent and maintained metadata

### Custodian

- Reduced cost and time in collection, management & delivery - through the exploring of new technologies enabling collaboration
- Greater number of users and re-uses of the data - through consistent web services
- Governed and managed federated supply chains - through active working groups
- Consistent application of standards - through the best practice guides and managed change projects
- Communities of SME to enable information sharing - through active working groups