**Figure 1 – Overview-Role Of Vocabularies And Vocabulary Tools**

Dataset

Metadata

Vocabulary tagged result sets organised by layer using dataset metadata vocabularies

Download options including SOS service endpoint

provides URLs for included vocabs

provides links to

couches ‘ParameterName’ in terms of OP vocab plus manages other vocabs of interest

IMOS SISSVOC Server

utilises/

publishes to

with public entry and search interface

Vocab Manager Tool

generates/

versions

generates/manages

/imports

manages vocabs like observable properties

Ingestion/

Validation/Vocab Mapping Tools

EREEFS SISSVOC Server

populates

populates

includes vocab picker (using thesauri)

GeoNetwork

IMOS SISSVOC Server

provides vocab

addresses

provides addresses

link to

conform to

Faceted Search Vocabularies

Portal 123

conforms

to

interoperate

via linked

vocabs

populates

populates

accesses

operates on

Data

uses

provides permanent address of included vocabs

populates

RDFS Files

OR

SKOS Vocab Files

ingests

uses

conforms to

uses

accesses

Postgres

IMOS Database

Agreed Data Schema

Other Vocab Servers

Agreed SOS Query & Response Schema

GeoServer

IMOS MapServer

19135 Register Files

Agreed Metadata Schema Template

Agreed SensorML or STARFL Documents

SOS Data Documents