FSDF Water Theme Roadmap

ANZLIC the Spatial Information Council

Key: Not Funded / Funded

Outcomes against Areas of Focus	Goals 2015	Goals 2016	Goals 2017	Future Status
Quality • Major acquisitions over the Murray Darling Basin • Investigate a pilot to explore data delivery from additional sources through the BoM and GA Collaborative Head Agreement • Custodians should ensure that data meets quality criteria, is documented and metadata is provided • National Perenniality reviewed through the Water Observation from Space project (GA) to provide a confidence of water location • Project to investigate surface water and groundwater interaction zones and linking bore data to surface water data • Extend the datasets to include surface water monitoring points, with linkage of time series observation data to future FSDF datasets	Initial release of 1 Second Catchments by drainage division Metadata maintained and conforming to AS/NZS ISO 19115:2005 Monitoring Points included in dataset	New Perennial Guide developed Integration of groundwater and surface water	Release of 1 Second Catchments nationally Linkage of Monitoring Point Time Series information	National water datasets will continue to be developed for the needs of water forecasting and identifying the likely impacts of floods and droughts. Data held by state and territory agencies, and other information providers identified under the Water Regulations 2008, will continue to be incorporated into national water datasets and products. To support water flow modelling, all surface water information will be compatible with relevant elevation datasets. In the longer term, water information will be compliant with the emerging Water Data Transfer Format (WDTF)25, and modelling of water flows in 3D will be made possible as groundwater and surface water datasets are brought together.
Supply Chain • Engage stakeholders, users and industry to identify new use cases • GA to work with PSMA on option of integrating jurisdictional data into the water framework • BoM to investigate integrating other sources into the datasets, increase awareness and extend through liaison with MDBA • Alignment with Elevation and Depth – impacts in catchment and network streams to be developed through high resolution sources • Alignment with Landcover – water extent and ecological boundary representations of water features	Redefined uses. Consult stakeholder survey	Time lag through the supply chain of data sources resolved		
Delivery • Ensure metadata is updated to allow access and discoverability for all datasets. Data should be online and ultimately be made available by the custodian through web services, or made available through data.gov.au	Increase usability of information in data.gov.au Provide data online and progress to web services			
Policy • Data available free and under Creative Commons licence • A governance structure for Water is well established with the Geofabric project. BoM and GA are currently responsible for the custodianship of the datasets. Some work is required to extend the use cases of the water theme and participation of additional custodians and datasets.	All Datasets are released as CC-BY	Custodianship for additional datasets is formalised		

Engagement
• With the increased use of geospatial data in Australia it is likely that in the future new water datasets will be required. There is a need for a set of criteria for their inclusion within the Water Theme and also identification of additional datasets to be included
• Use case development:
  ○ Melbourne Water and Bureau Urban Water – Developing use cases for man-made water networks and integration into surface water
  ○ Environmental Variables – Develop use cases for environmental variable attribution to water networks and catchments with current users and the National Environmental Information Infrastructure
  ○ Geofabric – develop use cases to facilitate improved discoverability of water information though the Geofabric
  ○ Bioregional Assessments Program – develop use cases based on the needs of groundwater and surface water interaction requirements
	Identify key national stakeholders and develop criteria for the inclusion of additional Water datasets	Use cases documented and business proposals presented		

Sponsor:

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