



water *information*

Data ↪ Information ↪ Insight

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Stream 1 – Water Policy and Reform
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Sustainable water resources management

Good water information is the key

Judicious infrastructure investments

Prudent environmental flow management

Fair pricing and equitable sharing of a scarce resource

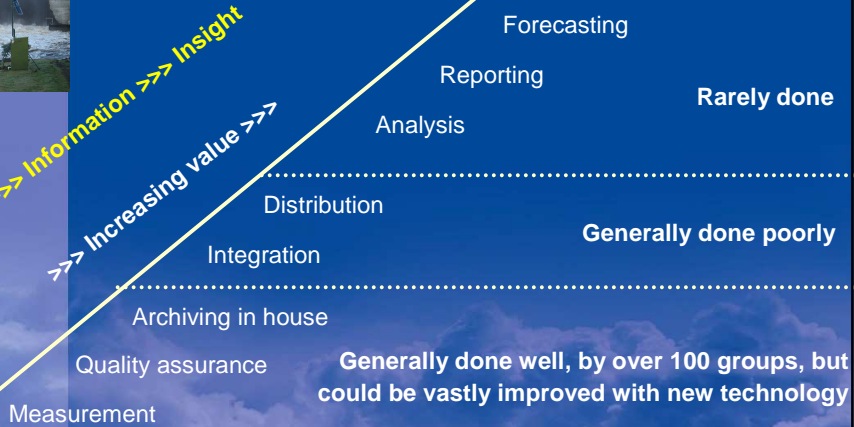
Properly functioning water markets

The water information value ladder.

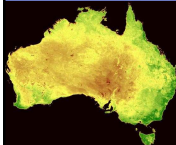


Data >>> Information >>> Insight

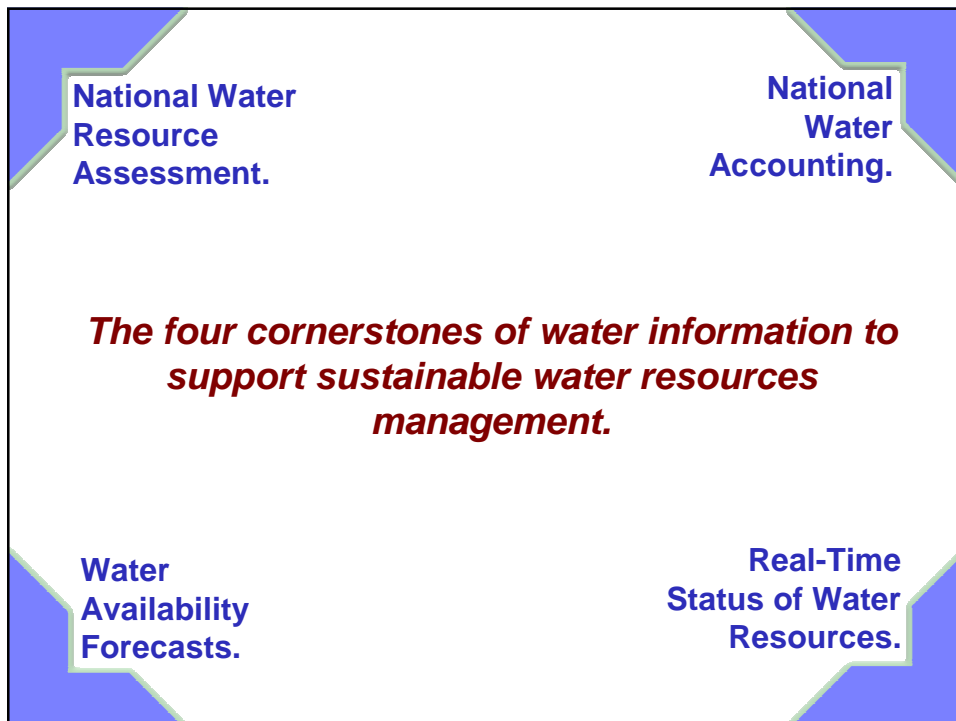
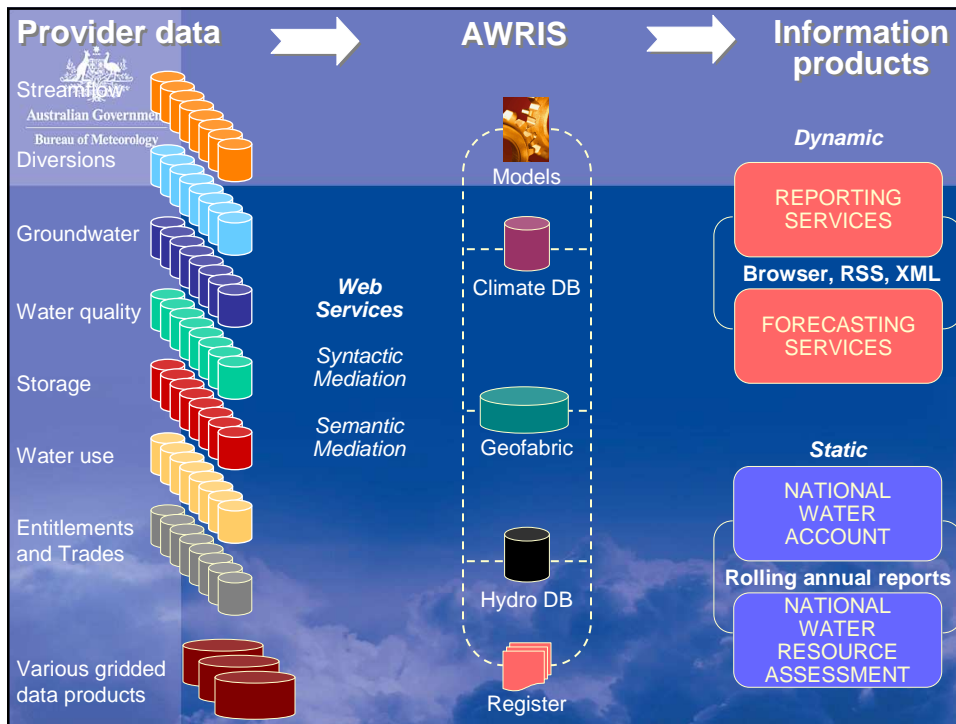
>>> Increasing value >>>

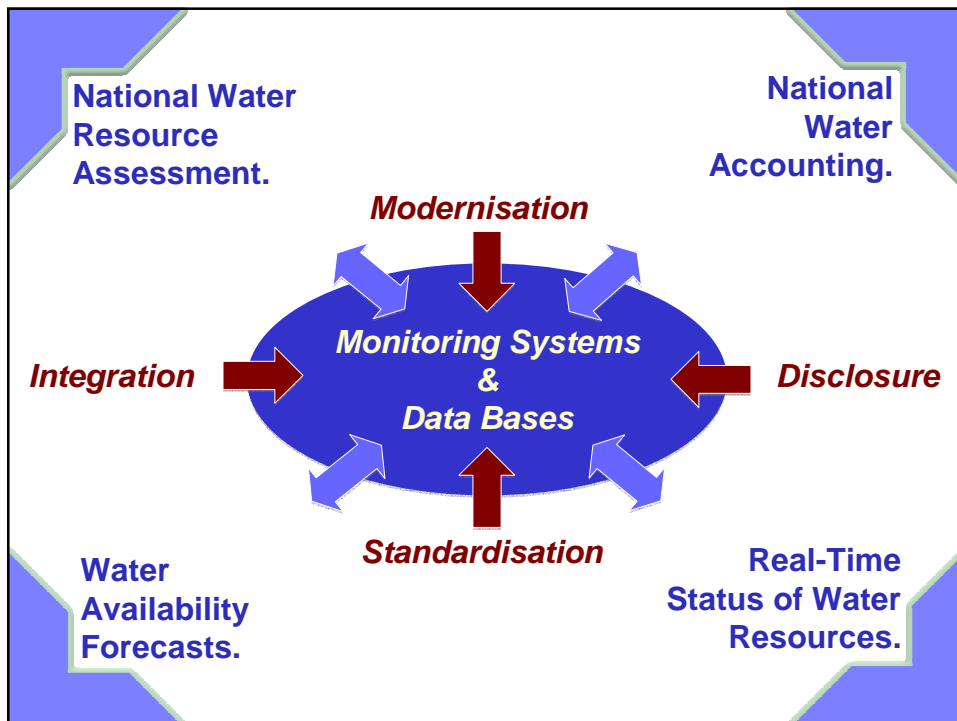
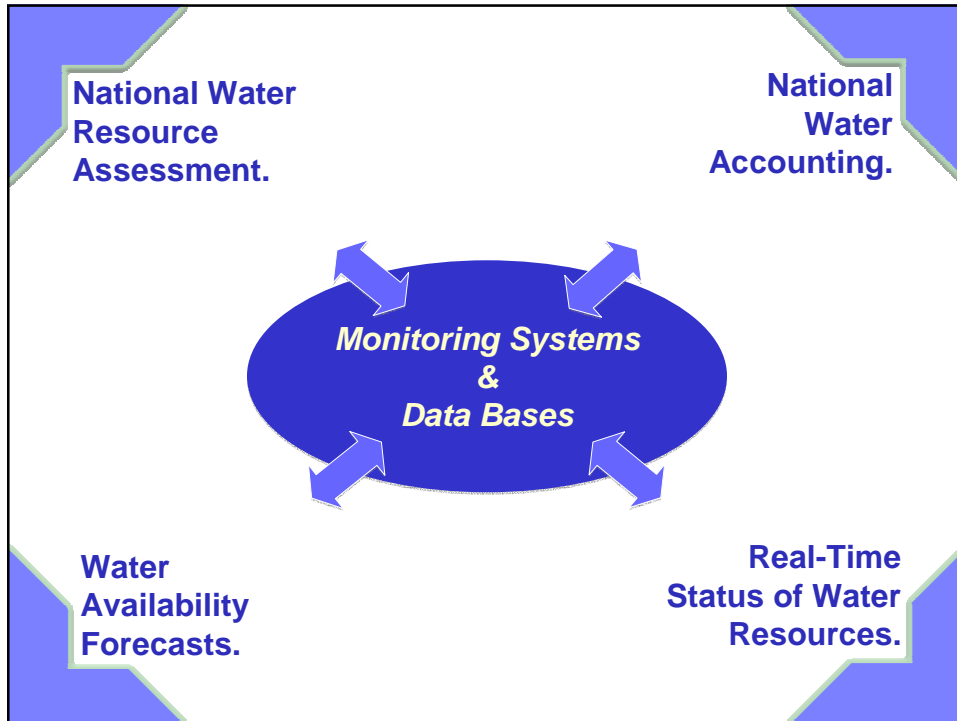


The Bureau's new role.



1. Set standards for water data measurement and transmission.
2. Aggregate water information and make it freely available via the web, with value-added analyses.
3. Conduct annual national water resource assessments.
4. Produce an annual national water account.
5. Provide continuously updated water availability forecasts.





Enabling Framework:



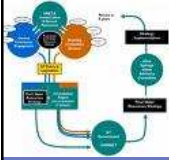
- Set of standards for contributing and harvesting water data
- Common model for formatting water data
- Central repository for storing water data
- Geospatial fabric to organise water data and facilitate data queries and analysis

Public Web Access:



- Data dashboard – at-a-glance summary of the status of water resources
- Data explorer – a set of tools and web-services for accessing, querying and reporting water data
- Data download – a mechanism for users to extract and download subsets of water datasets

Business System:



- Toolset for analysis and interpretation of water data
- Engine for the production of an annual national water account
- Engine for the production of an annual water resource assessment

Flood Warnings:



The Bureau of Meteorology provides a flood warning service for most major rivers in Australia. This service is provided with the cooperation of other government authorities, such as the State Emergency Service (S/TES) in each State/Territory, water agencies and local Councils. The Bureau delivers this service through Flood Warning Centres and Regional Forecasting Centres in Bureau Regional Offices in each State and the Northern Territory.

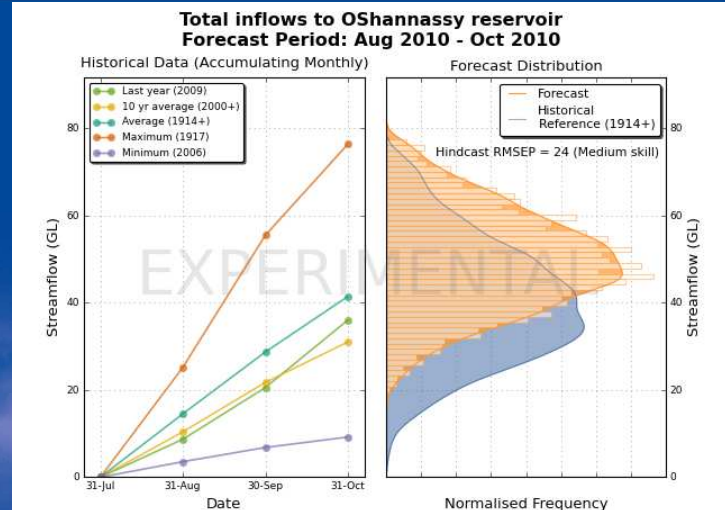
Flood Warnings:



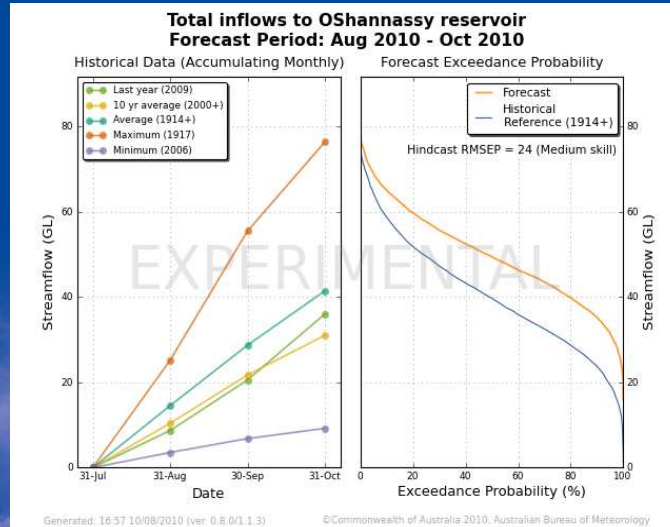
The Flood Warning Service provides different types of information that depends on the type of flooding and the flood risk. The range of information, which may vary between States and areas within a State, includes:

- An Alert, Watch or Advice
- A Generalised Flood Warning
- Warnings of 'Minor', 'Moderate' or 'Major' flooding

O'Shannassy: Total inflow forecast for Aug to Oct 2010



O'Shannassy: Total inflow forecast for Aug to Oct 2010



Outcomes.



- National water information standards established.
- Improved currency and quality of water data.
- Value-added water information products.
- Reliable water availability forecasts.
- Seamless national information coverage.
- Enhanced public access to information.
- An independent, authoritative voice.

<http://www>

All leading to greater rigour, confidence and foresight in water resources management.