

WA+ implementation

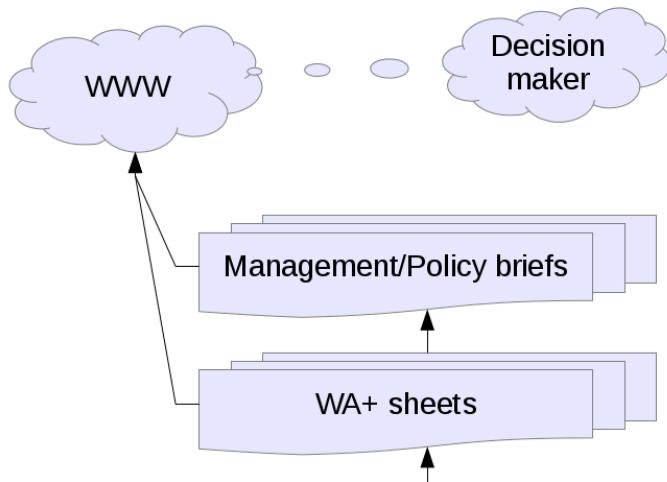
International Water Management Institute

June 12, 2013

System architecture required by IWMI to implement the WA+

- Policy briefs
- Online basins/systems
- GIS Processing unit
- GeoRaster abstraction DB
- Handle dataset sources

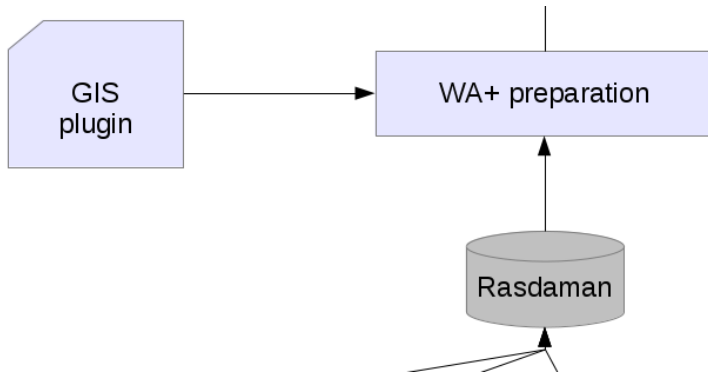




IWMI WA+ online repository

- Different multiple datasets
- Various sources aggregation
- Parametric sensitivity handling
- WA+ routines
- GIS spatio-temporal processing server





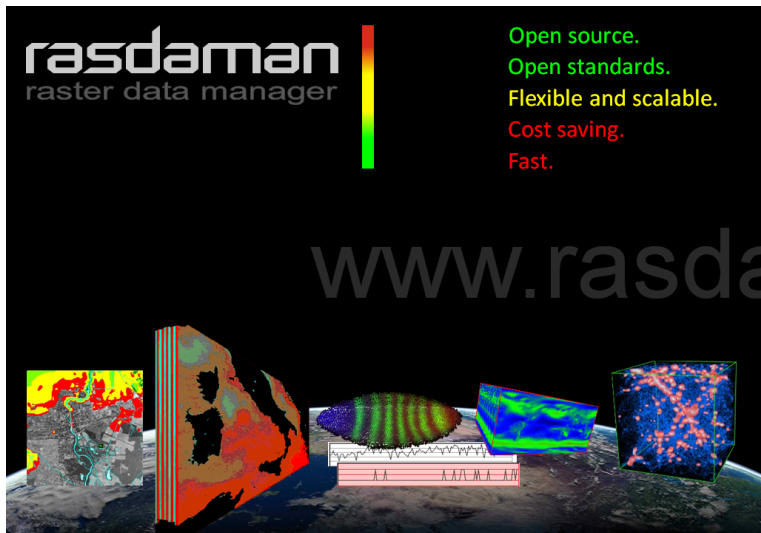
Rastaman



Rasdaman

Supports OGC WCS 2.0, WCPS 1.0, WPS 1.0

Supported by Jah! Heavenly Cloud service



The advertisement features the 'rasdaman' logo in a stylized white font with 'raster data manager' in a smaller font below it. To the right of the logo is a vertical color bar with a gradient from green at the bottom to red at the top. Further right, a list of features is displayed in green and yellow text: 'Open source.', 'Open standards.', 'Flexible and scalable.', 'Cost saving.', and 'Fast.'. The background is a dark space scene with a view of Earth's horizon. At the bottom, several 3D visualizations of raster data are shown: a 2D map with a river, a 3D terrain model, a 3D volume with horizontal layers, a 3D volume with a wavy surface, and a 3D cube filled with red and blue points. The URL 'www.rasda' is partially visible in the background.

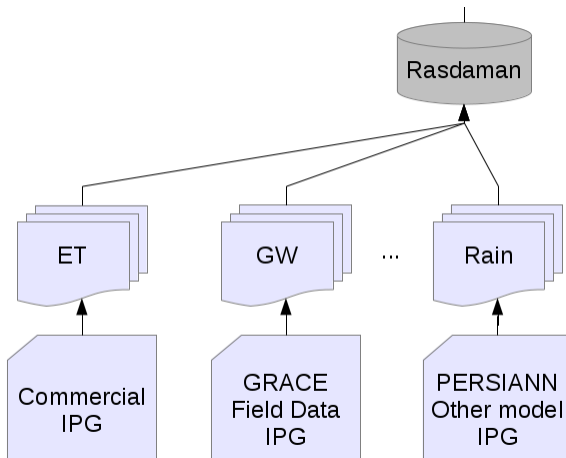
rasdaman
raster data manager

Open source.
Open standards.
Flexible and scalable.
Cost saving.
Fast.

www.rasda

Data Sources

- Live linking IPGs
- IWMI own GeoDBs of sources



Data sources and WA+:

- Highly integrative nature (uncertainty)
- Fall-back datasets (IPGs) for users

Dimensionality (proposed)

- Time: daily and monthly
- Space: 100m and 1km

This will have most of the dimensions of interest addressed, while respecting most of the scientific sources.

WA+ can be implemented

- Uncertainty is going to be the biggest scientific concern
- GeoDB advanced solutions already exist

Thank You

