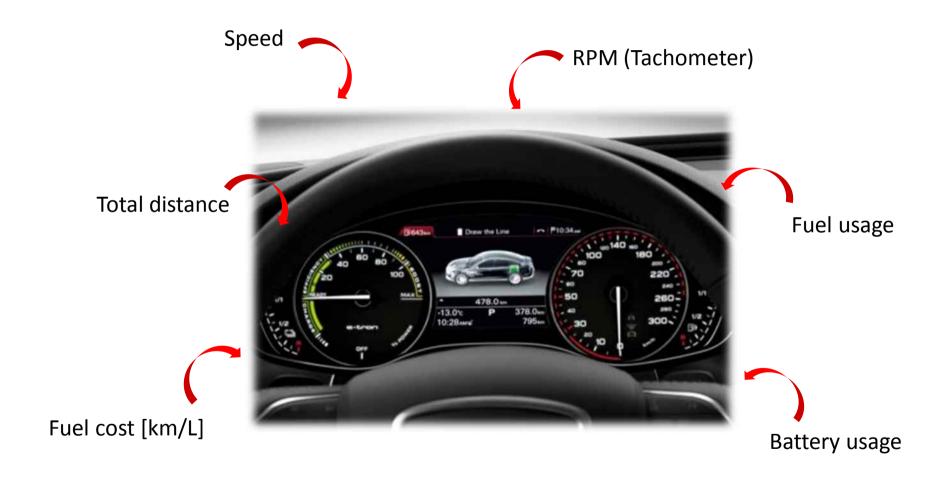


JMA Workshop on WIS Implementation

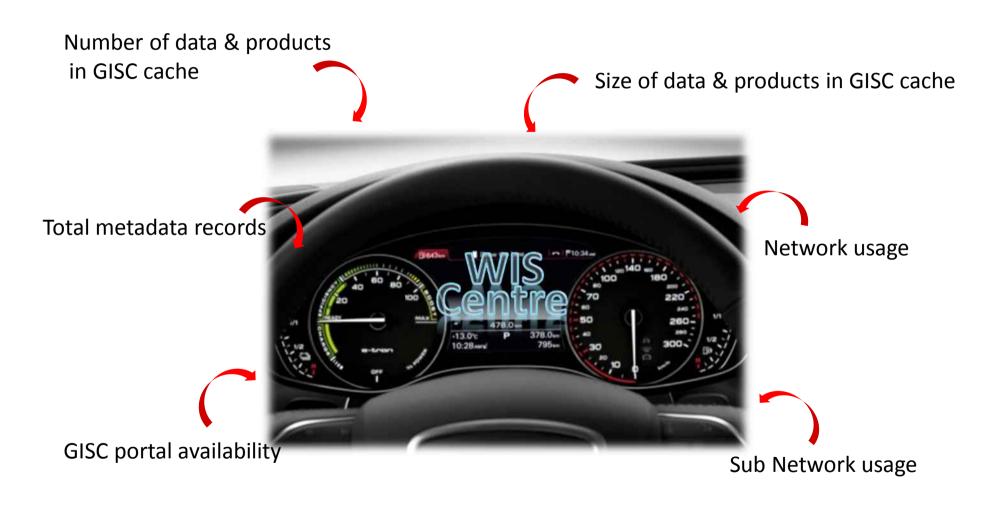
December 8, 2016

Yasutaka Hokase (JMA)

# Dashboard?



## Dashboard for WIS system monitoring?

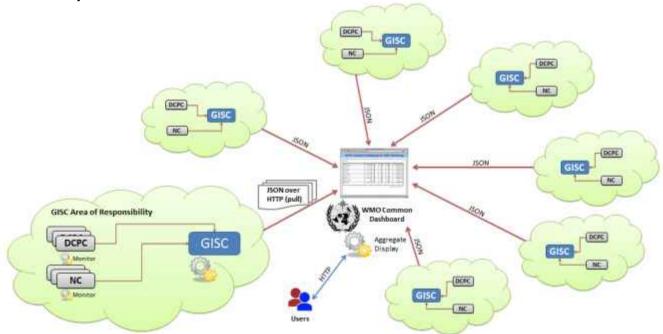


### Dashboard for all the WIS Centres' system monitoring?



### Dashboard?

- WIS Monitoring Common Dashboard (WCD) allows people to see monitoring information of multiple WIS Centres comprehensibly. All the information on dashboard are constituted of JSON messages provided by GISCs.
- Monitoring information are pulled from GISCs all around the world as JSON messages. The information are aggregated, stored and displayed in this centralized web portal with time-series graphs and globe map.



# Dashboard prototypes

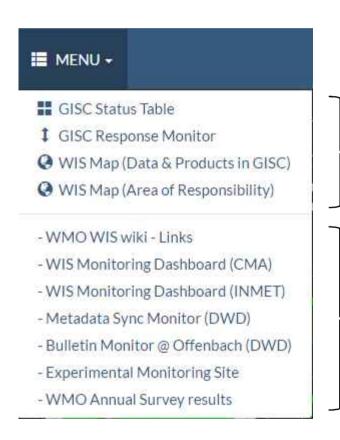
- Currently three voluntary GISCs (Beijing, Brasilia, Tokyo) are providing monitoring dashboard respectively as a prototype.
- In order to make WIS Monitoring operational officially, at least 2 dashboards are required.







### Menu



#### Contents of JMA's dashboard

Links to other monitoring sites – Include CMA's dashboard, INMET's dashboard, DWD's Metadata Sync Monitor, WMO's WIS wiki and more.

## **GISC Status Table**



**Service availability** – Distribution system, WIS portal, catalogue synchronization.

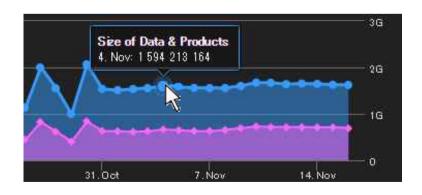
**Time series graphs** – WIS Core Network usage, the number of WIS catalogue records and the number and the size of data and products stored in GISC cache.

Access to detail – Each row provides links to the GISC's portal, detail monitoring information of the GISC and WIS Centres in its area of responsibility (AoR).

# Time Series Graphs



**Selectable time range** – The time range of time series graphs can be changed to show short or long term fluctuation.



**Tooltip** – The tooltip appears when hovering over a point in a series. The tooltip shows the values of the point and the name of the monitoring item.

### **GISC** detail page

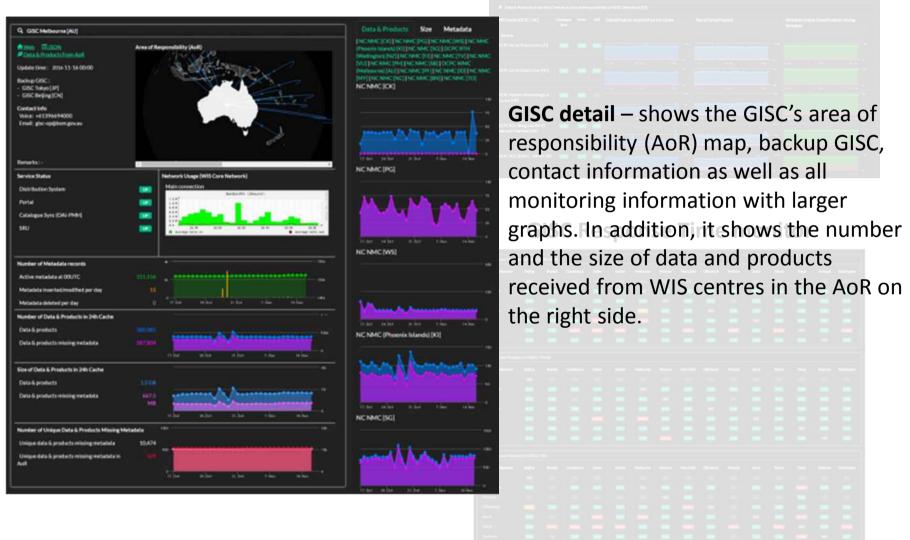




**GISC Response Time monitor** 



**GISC** detail page



**GISC** detail page

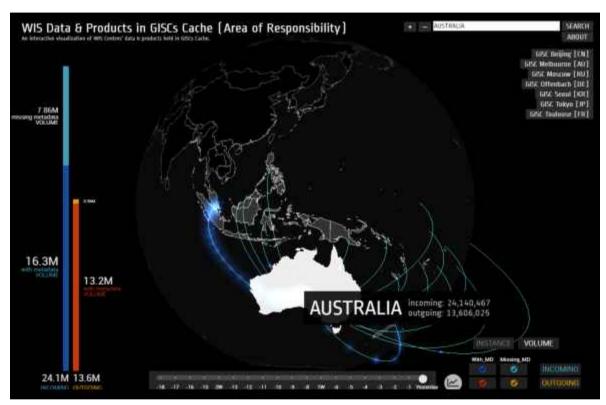




WIS Centres in GISC's area of responsibility **GISC** detail page **GISC Response Monitor** – The matrix shows the response time from each GISC's portal, OAI-PMH provider and SRU provider. **GISC Response Time monitor** 



# WIS Map



**Visualization** – The number (Instance) and the size (Volume) of WIS Centres' data and products held in GISC 24-hour cache.

**Vectorial resizing** – The globe map can be rescaled by mouse dragging.

Country (NC / DCPC) — Click any country to monitor which GISC the country is submitting data and products to directly or indirectly via RTH.

#### Relative percent change graph

 − Click button to pop up the time-series graph which shows the relative percent change of past 18 days.

