3. Data Management ;  
3.1 Metadata exchange;  
- Can you successfully connect to another centre?  
- No. of updates during sync activity  
- Compare no. of records metadata records at each GISC  
 - Consistency of GISC catalogues  
 - ‘Successful’ harvest  
- Do all exchanged data have metadata?  
- Availability of metadata for all data products  
- Quality of metadata  
 - Does it meet WIS standards?  
 - Is it useful?

3.2 Observations and products  
- Timeliness  
 - Subscribed data  
 - On demand data  
- Formats  
 - Headers/names  
 - Data format requested  
- Data remains unchanged?  
 - Integrity  
- Data availability - are expected data exchanged?  
 - Check against routing tables/Volume C1/catalogue  
- Failed user requests vs achieved  
  
3.3 24-h data cache;  
- Is the cache being updated?  
- Is the cache complete?   
 - Consistency between GISCs?  
 - Does it contain at least 24 hours?  
- Integrity – is the extracted data identical to input data?  
- Is it accessible to the user?  
- How much data have you served from the cache?  
- Delay between receipt/nominal time and availability in cache

3.4 Provision for specific actions and purposes, specific message transmission monitoring (Tsunami, SIGMEТ)  
Planned (exercise, test message):  
- Which centres did it reach and when?  
 - Respond to collecting centre and key users  
 - when received  
 - who from  
- Integrity

Unplanned (real):  
- Case studies  
 - needs logs of message receipt to produce offline report  
- Event occurred!

Diagnosis:  
- Case study to see where flows have problems