2013 Observatio

ECMWF, Reading, 3rd – 4th July 2013

Observations Programme Management Team

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Agenda Item 4: What has to be monitored?

- Which data characteristics should be monitored? EUCOS currently monitors:
 - Availability
 - Quantity
 - Completeness of record
 - Vertical extent,
 - Timeliness
 - Accuracy (in terms of comparison against model)
 - Compliance with observing standards (e.g. reduced slp or slp as read)
 - Internal consistency
 - Validity of location
 - Correctness of data formats
 - Keeping record of changes (sensors, location, formatting,...)
 - Transparency on data processing before message generation



Agenda Item 5: What are the appropriate metrics for monitoring the aforementioned characteristics?

- Availability
 - What are the appropriate periods for reference?
 (e.g. Expecting 24 hourly SYNOP data per 24 hours or expecting X SYNOP messages per week, ...)
 - When to notify obs provider of missing data?
 - When X% of data are missing for Y hours!?



Agenda Item 5: What are the appropriate metrics for monitoring the aforementioned characteristics?

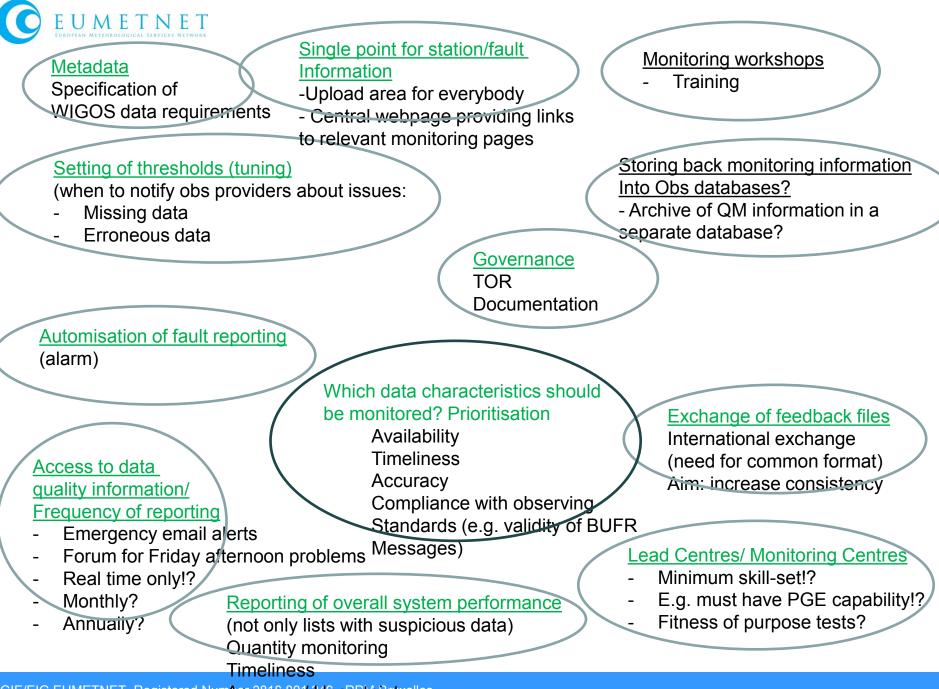
Accuracy/ Uncertainty

- WMO OSCAR database states certain ,uncertainty' requirements
 - How to measure uncertainty ,of the day' of a particular obs site?
 - RMSE against model (Obs Mod) as best estimate of ,uncertainty'?



Agenda Item 6: Any special items concerning special meteorological variables?

- What about monitoring accuracy of radar derived precipitation data, satellite data?
 - Bernard Urban
 - Possibilites for monitoring of backscatter profiles from ceilometers and lidars.



GIE/EIG EUMETNET, Registered NumAccuracy/ Uncertaintyelles



Questions and comments?



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