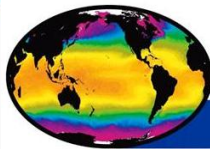




Comments on Metrics from SST VC/GHR SST

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GHR SST

*Group for High Resolution
Sea Surface Temperature*



**University of
Reading**



**sst
cci**

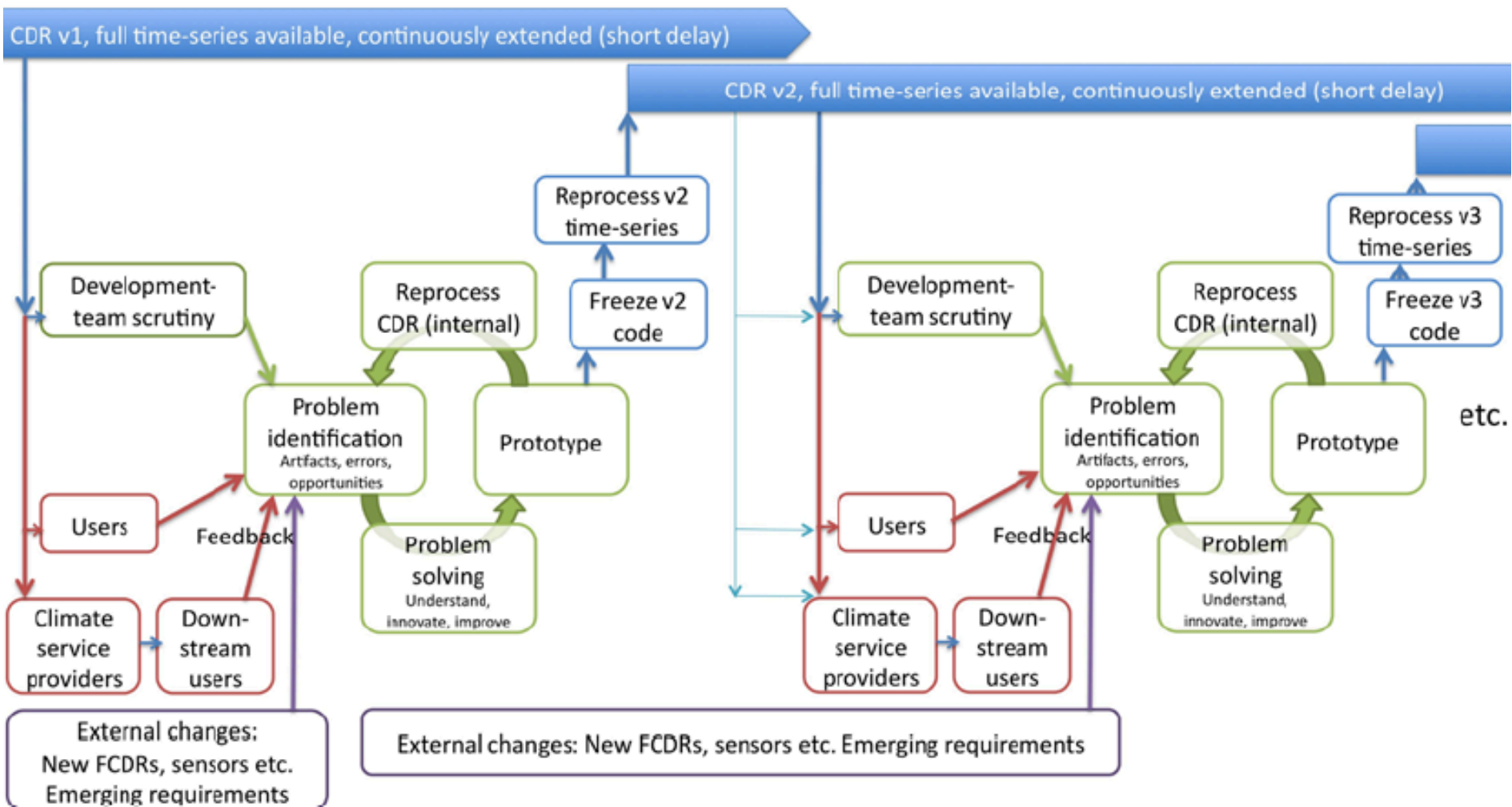
SST-VC and GHRSSST

- GHRSSST Science Team
- Group for High Resolution Sea Surface Temp
 - >10 years co-operation
 - Space and Met agencies, universities, institutes ...
- Climate Data Record Technical Advisory Group
 - Climate Data Evaluation Framework (CDEF)
- SST VC implementation plan
 - CDEF development co-ordinated with WG Climate

Distinguish two sorts of metrics

- For reviewing generation of data for climate
 - Tool for producers
 - Transparency, provenance, etc ...
 - Focus on maturity of system, distinct from data
- For informing climate users
 - Tool for quantitative assessment & comparison
 - Relevance to climate, comparability
 - Focus on characteristics of the data set

An example of (part of) a climate data system



Metrics for such a system?

- Supports user-driven cycles of improvement
 - Has effective interfaces for user feedback etc
 - Has mechanisms for user requirements review
- Has capacity for solving problems / updates
 - While maintaining routine delivery
- Has capacity for climate data assessment
 - Verify the improvement cycles
 - Generate quality metrics appropriate to ECV
- Ease of distribution, stewardship, documentation etc
- NOT stability of code

Avoid embedded assumptions

- Example from GHRSSST “ST-VAL” on validation and uncertainty information
- Current GHRSSST practice: uncertainty information emerges from validation
 - Sensor Specific Error Statistics
- Aspiration: uncertainty information is part of the product
 - Uncertainty is independent of validation
 - Uncertainty is validated in its own right