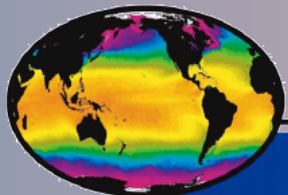


*To provide operational users and the science community
with the SST measured by the satellite constellation*

Future activities of the Science Team

Gary Corlett

GHR SST Project Coordinator



GHR SST

*Group for High Resolution
Sea Surface Temperature*



Committee on Earth Observation Satellites
Sea Surface Temperature Virtual Constellation

Future activities of the Science Team



- You were requested by Peter Minnett to provide feedback on how you would like to see the Science Team operate going forward
- Only a few replies were received
 - Some clear common themes
- It is important that you all think about it this week and we will discuss further on Friday
- Options are
 - Disband all TAGs and WG's and restructure
 - Modify existing TAGs and WG's
 - No change



SST user requirements: The role of GHR SST

SST user requirements start with more general scientific questions/issues that require SST as part of the solution.

GHR SST takes users requirements for SST from many communities, including, for example:

- The WMO Rolling Requirements Review
- GODAE Ocean View
- GCOS
- Internal GHR SST Science Team members

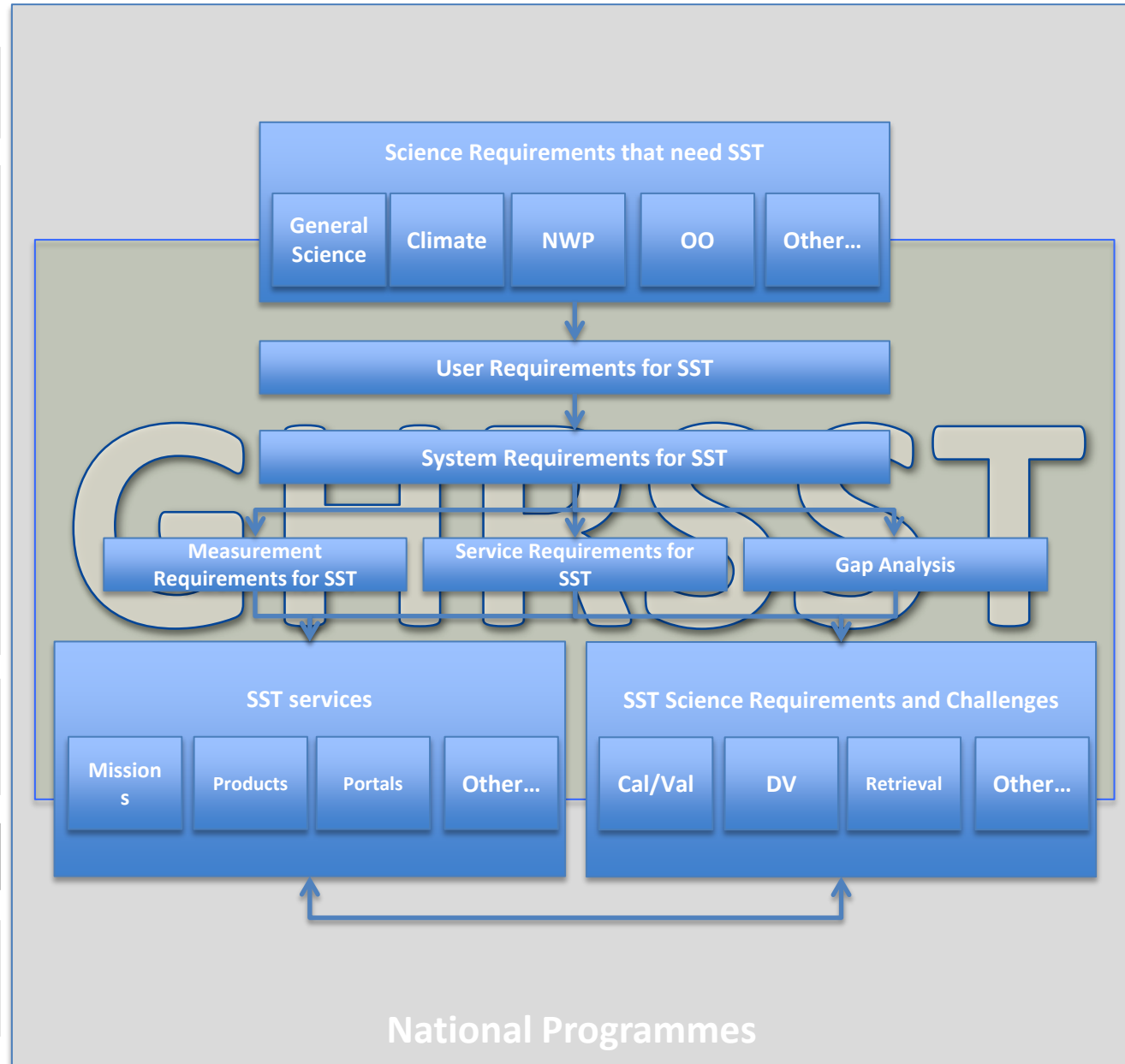
GHR SST then synthesises these requirements into a common set of:

- Measurement requirements for both **space based and surface based instrumentation**
 - Includes a gap analyses and list of priorities
- Service requirements
 - Getting the data to users
- Scientific and technical challenges for R&D elements
 - Drives the working groups and technical advisory groups

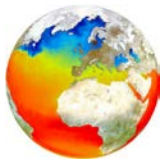
GHR SST plays a key role in this process as an international community forum for coordinating the process from science requirements to SST requirements and

We then end up with a set of specific SST requirements/challenges that need to be addressed

National programs align with and support many activities coordinated through GHR SST where possible. Of course, national programs must address their own interests.



Considerations



- GHR SST must continue to meet the needs of users
- The success of GHR SST has seen an expansion in the number of science team members, the number of groups and the number of people attending science team meetings
- It is very challenging to ensure all groups get to meet at the annual meeting
 - Many people participate in multiple groups and it is impossible to avoid conflicts when scheduling without taking time away from other activities
- Funding for inter-sessional meetings is now very difficult to obtain
- Many issues are cross-cutting involving one or more groups
 - SSES will not be resolved by one group
- GHR SST is now recognized as the expert group on SST
 - We need to provide recommendations and best practices
- GHR SST is not broken – this is an evolution of the science team
 - We are making sure GHR SST is ready for the next 15 years

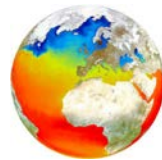
Potential activities include...



- User interaction
- Data production
- Data delivery and other services
- Calibration
- Retrieval
- Cloud/ice masking
- Validation
- In situ data
- Analysis
- Data merging/averaging
- Upper ocean physics
- Climate



Proposed way forward



- We will split the Science Team into groups (5-6 people per group – drawn at random)
- Each group will be tasked to propose a new structure for the Science Team
 - **By end of October 2015**
- We will then review the suggestions and consolidate them into a new working structure
 - **By end of November 2015**

