

# Global Climate Observing System (GCOS)

*Working together with WIGOS*

**GEO Plenary 2017**

**Prof. Stephen Briggs,  
Chair, GCOS Steering Committee  
&  
GCOS Secretariat, WMO**

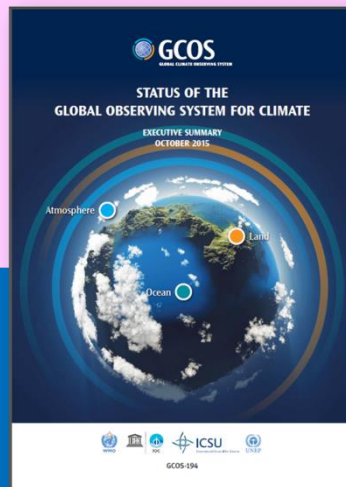
# GCOS Reports and Plans

Status

2015



United nations conference  
on climate change  
COP21/CMP11



New Plan

2016



19 / CP.22  
(Decision 19,  
UNFCCC  
COP-22,  
Marrakech,  
Morocco)



You can download the English edited version!

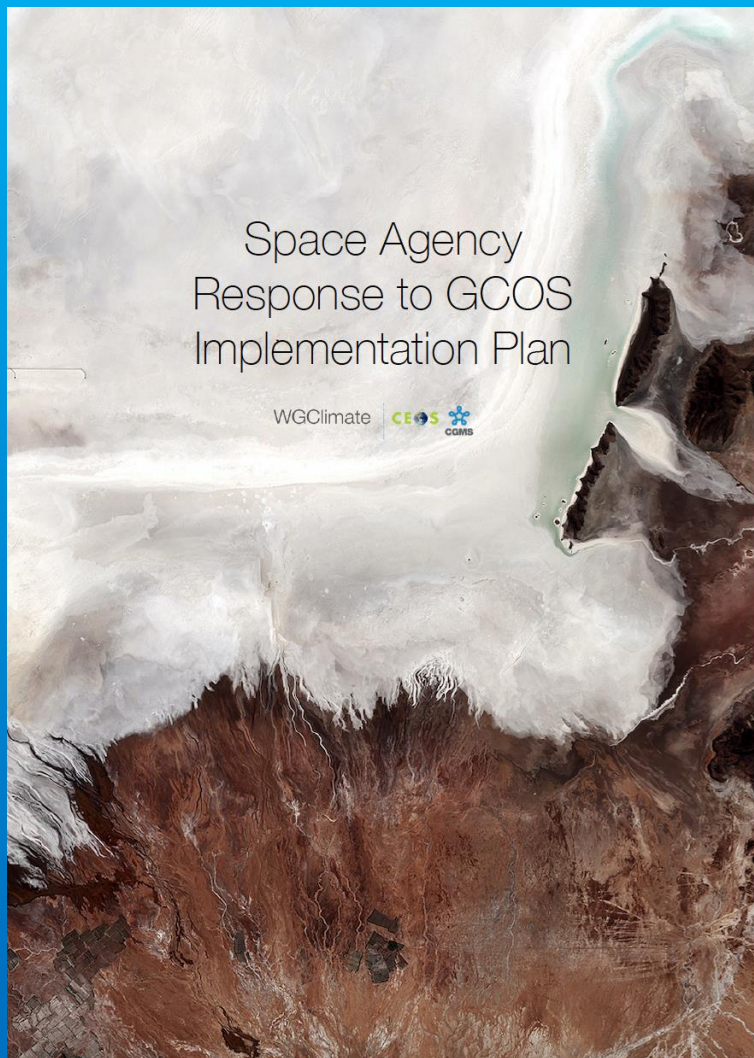
Also available: French translation of Exec Summary

[gcos.wmo.int](http://gcos.wmo.int)

 [@gcos\\_un](https://twitter.com/gcos_un)

2016

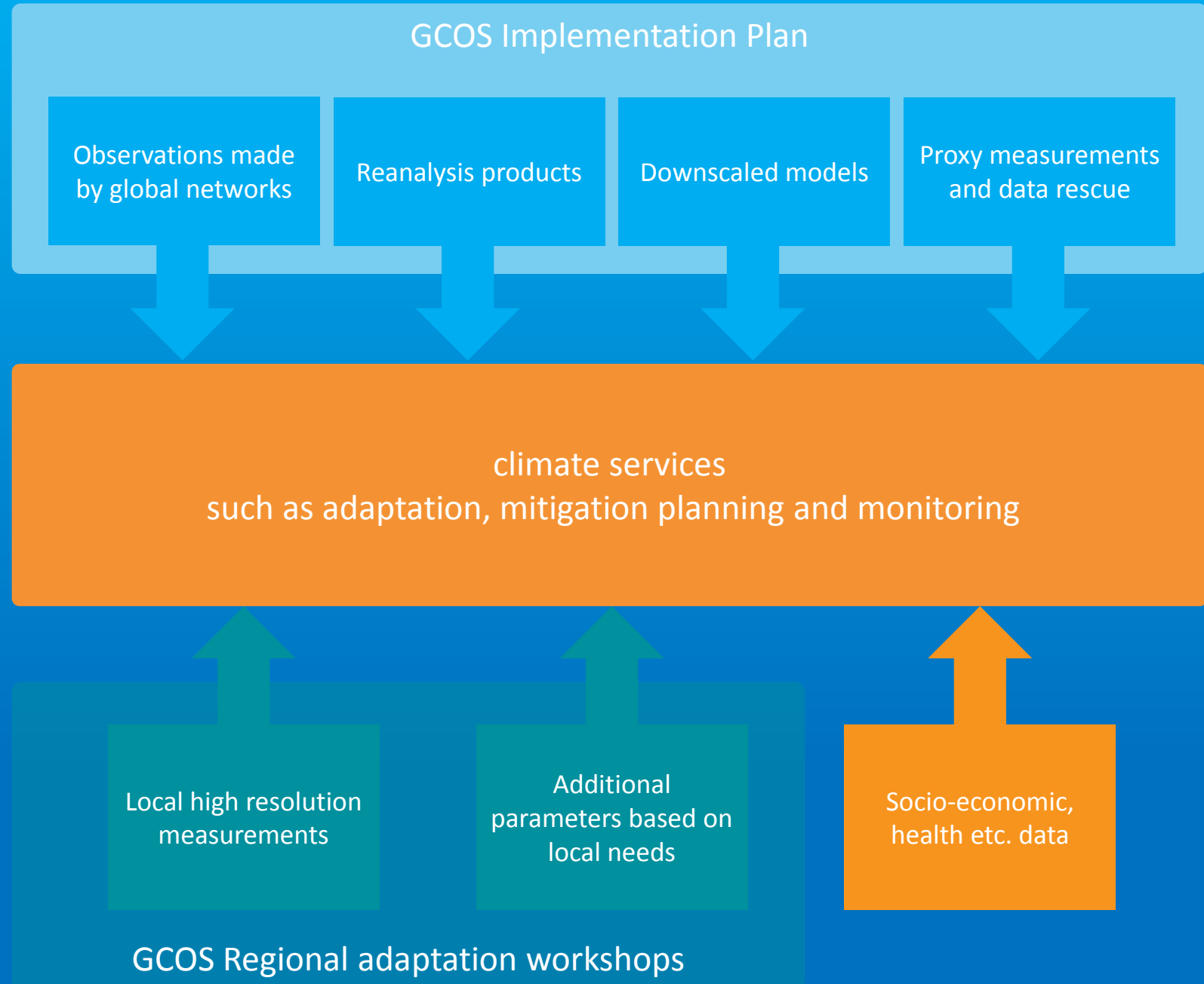
# GCOS Implementation Plan



# Space Agency Response to IP

# 2017

# Regional Adaptation Activities – closing the gap between global plans





- GCOS Implementation plan is global but also aims to support local needs: adaptation
- GCOS is planning to start a series of regional workshops to
  - identify needs and gaps
  - produce plans
  - identify other sources of information
- ❖ GCOS Cooperation Mechanism provides practical support and capacity development



# Joint GCOS-WIGOS Workshop for Pacific SIDS, Nadi, Fiji, 9-12 October 2017

(Regional Workshops are relating to 9 / CP.22 Decision 19, COP-22, Marrakech, Morocco)

*“Systematic upper air observations in the Pacific region, tend to have the highest measured impact, of all ground-based measurements, on the quality and accuracy of weather and climate analysis and prediction not only locally, but globally. The resulting products underpin weather and climate aspects of early warning systems as well as other climate-related services. “...*

*“...systematic observation is particularly challenging in this region.”*



# Joint GCOS-WIGOS Workshop for Pacific SIDS, Nadi, Fiji: Key Outcomes

## *Pacific region observing network plan in support of the GCOS Implementation Plan and the Implementation Plan for the Evolution of Global Observing Systems (EGOS IP):*

*As a reminder: **EGOS** is a major contributor to the GEOSS, with a space component through partnerships with CGMS, CEOS and interfaces with WMO partnered systems like GCOS and GOOS.*

*This plan will be developed by **GCOS and WIGOS** in collaboration with Secretariat of the Pacific Regional Environmental Programme (SPREP), the Pacific Islands Communication and Infrastructure Panel (PICl), and Pacific Meteorological Council, and submitted to COP 24.*

*Other **GEO Partners** have important role in providing wide ranging physical, social, economic geo-referenced data to adaptation programmes.*



# Implementation of Reference Upper-Air Network

GCOS Reference Upper-Air Network



## GCOS Plan Action A15: Implementation of Reference Upper-Air Network

Benefit: Reference-quality measurements for other networks, in particular for GUAN, for process understanding and for satellite cal/val.