

The Global Observing System for Climate

GCOS Cooperation Mechanism

*27th Steering Committee
IOC-UNESCO, Paris, France*

Information Document 8.7

GCOS Secretariat, WMO

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ICSU
International Council for Science

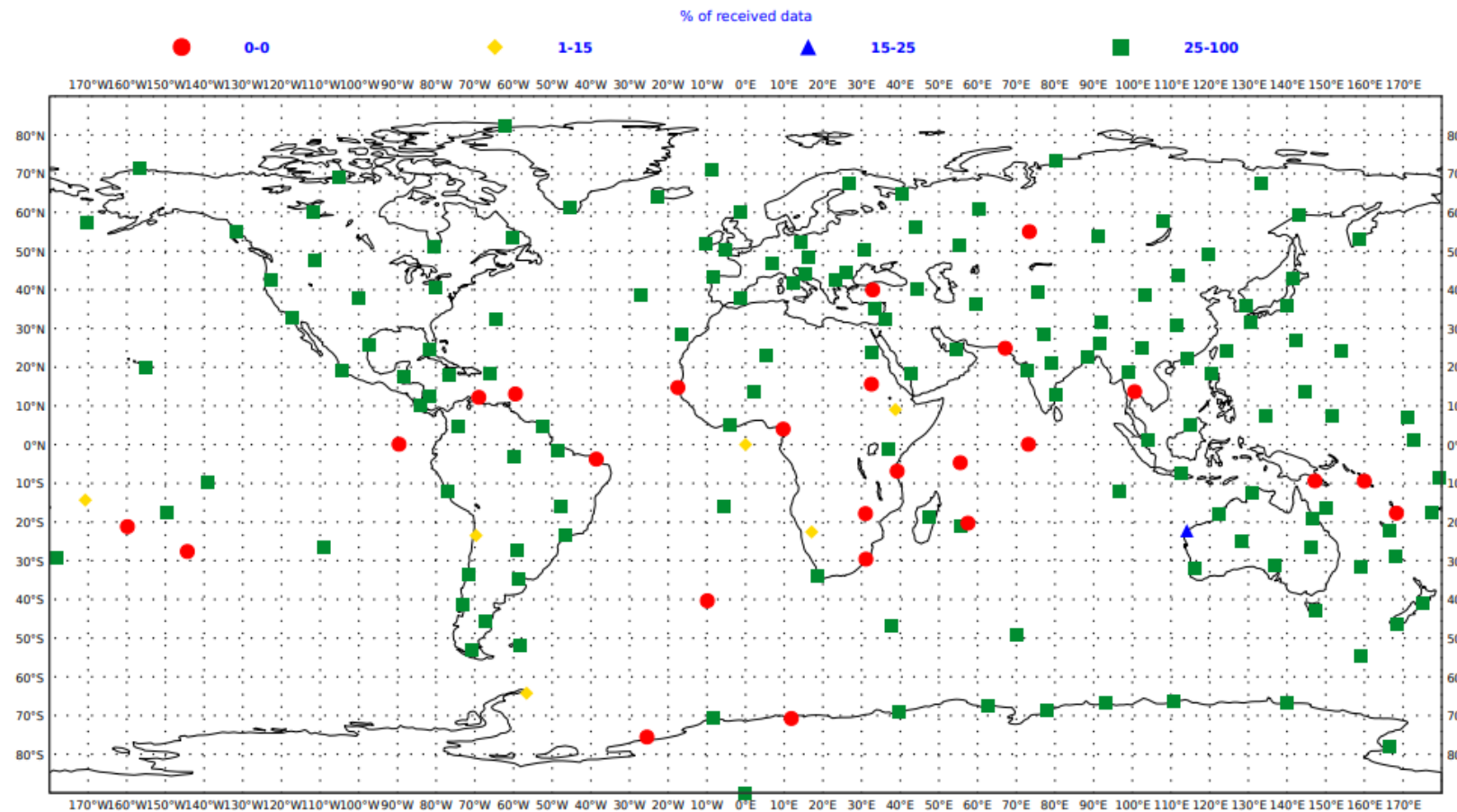


GCOS Cooperation Mechanism (GCM)

- The GCM is the system improvement and resource mobilization activity of the GCOS programme. It has been established following a decision by the UNFCCC SBSTA in 2004 (UNFCCC Decision 5/CP.5) in order “to enable developing countries to collect, exchange, and utilize data on a continuing basis in pursuance of the UNFCCC”. Since then, approximately 4 million USD was raised to accomplish projects dedicated to improving climate observation systems.

Where do we target support – Network Monitoring

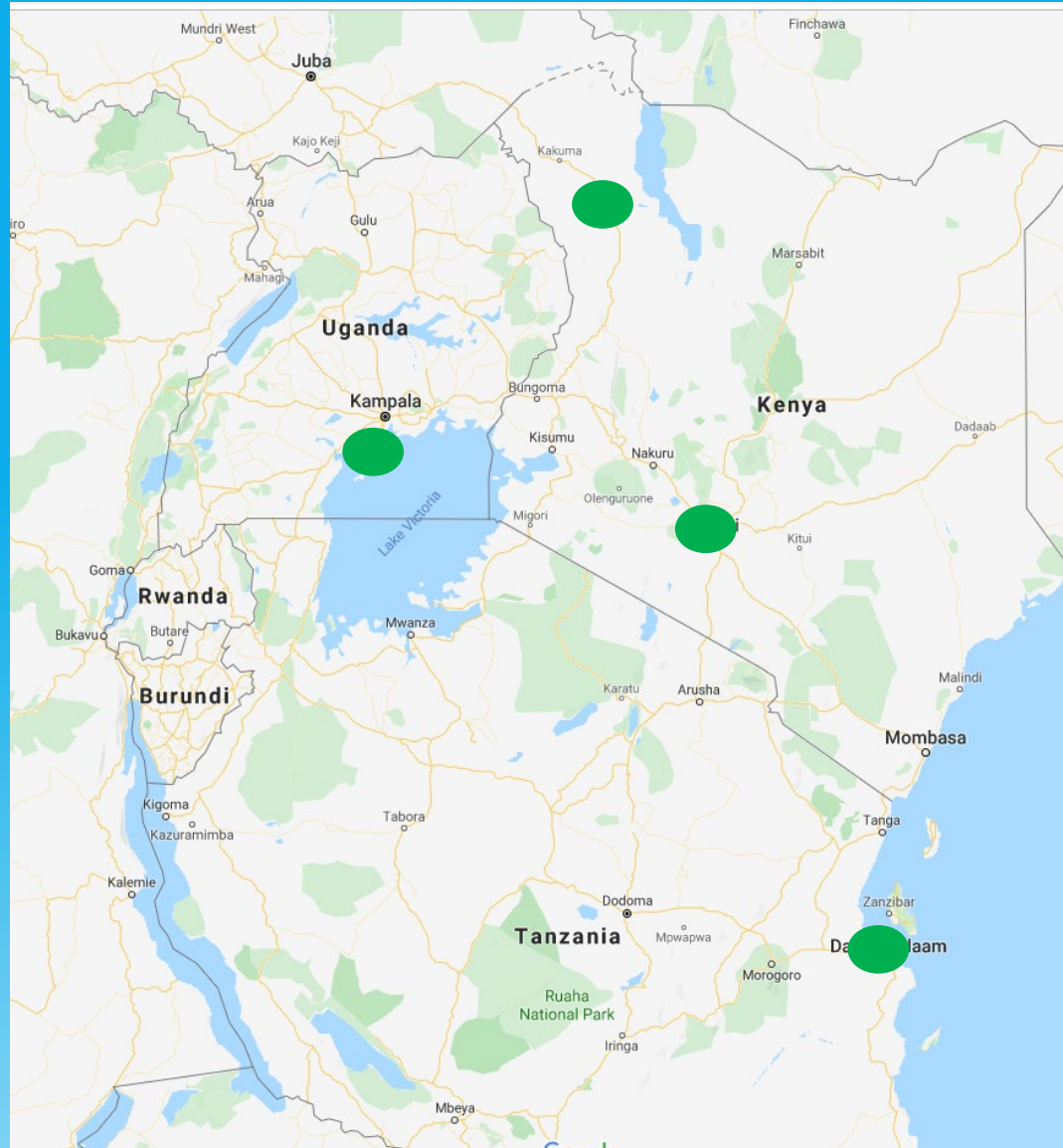
GUAN STATIONS Sep 2019
Frequency of Reception data at ECMWF
Level: 100 hPa Temperature SUMMARY 00/12 UTC



GCM projects (2019)



HIGHWAY Project (UK Funding)



Focus on Lake Victoria region – 5 countries

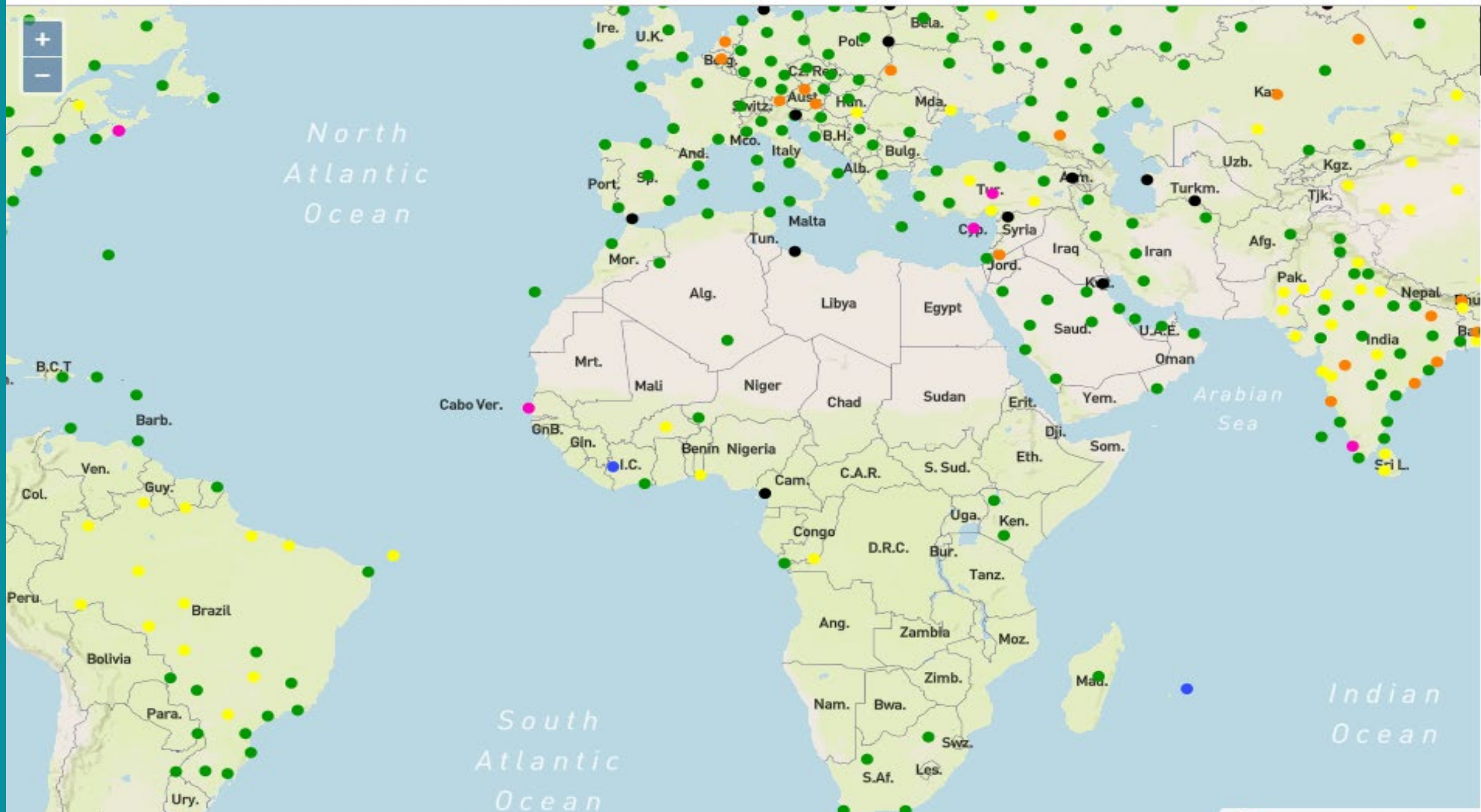
EWS for safety of life over lake – Field Campaign 2019

1 million £ (Sterling) dedicated to more observations

WIGOS/GCOS convinced funding managers to also support conventional observations (i.e. Radiosondes)

Approx. 300k £ on 4 UAS – non functional

Technical visits late 2018, Implementation 2019



Summary (GCOS Network Manager)

- Targeted support can work (funds and dedicated technical management).
- Works well for individual stations/countries support, even then limited by support funds and one network manager.
- Funds now very limited with <50kCHF in GCM and only Japan as a regular contributor.
- Networks have large-scale issues (e.g. GUAN), which requires a different funding/support approach (e.g. GBON).
- How does this fit into the future WMO structure?

Nairobi and Lodwar UAS



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Thank you

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