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**GCOS Cooperation Mechanism (GCM)**

**Project Candidates 2018**

**Current Requests of operational/network importance**

**€30K: Service, Repair and Training visit by manufacturers for Hydrogen Generator’s at Dar Es Salaam (Tanzania).**

**[Station in-active since September 2014]**

Availability of gas (Hydrogen or Helium) is fundamental to the operations of a GUAN station. Many of the Hydrogen Generator Systems, particular in the least developed countries, are 10+ years old and are unreliable as they are lacking the recommended in-depth service of the equipment and associated local staff training, which will prolong the operational life of the system. The ongoing performance of these stations against the GCOS minimum requirement is often poor and a primary contributor to this is due to the condition of the hydrogen generator.

**€100K: Replacement Hydrogen Generator for Khartoum, Sudan.**

**[Station in-active since April 2014]**

Availability of gas (Hydrogen or Helium) is fundamental to the operations of a GUAN station. Current system is 20 years old, is unreliable and proving almost impossible to purchase spares when components fail. Performance of the station in 2013 against the GCOS minimum requirement has been very poor and much of this is due to the age & condition of the hydrogen generator.

**€50K: Support for GUAN Station Gan (Maldives)**

**[Station active but will stop at the end of 2017]**

This GUAN (remote & data sparse region) station has in the past received the support of GCOS and the Met Service has informed GCOS that sufficient funding for supplies in 2018 is not available. This would provide radiosonde and balloons to meet the GCOS minimum requirements for a 1 year period.

**€50K: Support for GUAN Station Raratonga (Cook Islands)**

**[Station in-active since December 2016]**

This GUAN (remote & data sparse region) station has in the past received the support of GCOS and the Met Service has informed GCOS that sufficient funding for supplies in 2018 is not available. This would provide radiosonde and balloons to meet the GCOS minimum requirements for a 1 year period.

**€80K: Support for GUAN Station San Cristobal (Galapagos Is., Ecudaor)**

**[Station in-active since January 2016]**

This GUAN (remote & data sparse region) station has in the past received the support of GCOS and the Met Service has informed GCOS that sufficient funding for maintenance of equipment (radiosonde system and hydrogen generator), local staff training and supplies is not available. This will provide an expert visit to assess the station, an in-depth service of the hydrogen generator system and radiosondes and balloons to meet the GCOS minimum requirements for a 1 year period.

**€50K: Support for GUAN Station Vacoas (Mauritius)**

**[Station in-active since August 2015]**

This GUAN (remote & data sparse region) station has in the past received the support of GCOS and the Met Service has informed GCOS that sufficient funding for supplies in 2018 is not available. This would provide radiosonde and balloons to meet the GCOS minimum requirements for a 1 year period.

**€100K: Support for GUAN Station Honiara (Solomon Islands)**

**[Station in-active since before 2011]**

This GUAN (remote & data sparse region) station has in the past received the support of GCOS and the Met Service has informed GCOS that sufficient funding for equipment, maintenance and supplies has not been available for many years. This will provide an expert visit to assess the station, an in-depth service of the hydrogen generator system and radiosondes and balloons to meet the GCOS minimum requirements for a 2 year period.

**€50K: Support for GUAN Station Bauerfield (Vanuatu)**

**[Station in-active since April 2016]**

This GUAN (remote & data sparse region) station has in the past received the support of GCOS and the Met Service has informed GCOS that sufficient funding for supplies in 2018 is not available. This would provide radiosonde and balloons to meet the GCOS minimum requirements for a 1 year period.

**€100K: Support for GUAN Station Port Moresby (Papa New Guinea)**

**[Station in-active since February 2013]**

This GUAN (remote & data sparse region) station has in the past received the support of GCOS and the Met Service has informed GCOS that sufficient funding for equipment, maintenance and supplies has not been available for many years. This will provide an expert visit to assess the station, an in-depth service of the hydrogen generator system and radiosondes and balloons to meet the GCOS minimum requirements for a 2 year period.

**€50K: Support for GUAN Station Karachi (Pakistan)**

**[Station in-active since before 2014]**

This GUAN station has not provided radiosonde measurements for many years and the Met Service has informed GCOS that sufficient funding for supplies is not available. This would provide radiosonde and balloons to meet the GCOS minimum requirements for a 1 year period.

**€50K: Support for GUAN Station Yerevan (Armenia)**

**[Station active but will stop early in 2018]**

This GUAN station has in the past received the support of GCOS and the Met Service has informed GCOS that sufficient funding for supplies in 2018 is not available. This would provide radiosonde and balloons to meet the GCOS minimum requirements for a 1 year period.

**€10-20k per year: Emergency Operational Support, low value orders, to ensure that any downtime is kept to a minimum.**

Examples of support can be emergency spares, transit of components to enable a repair and sending expert engineers. The decision as to whether support is provided or not is with the GCOS Implementation Manager, with the advice of the relevant GCOS advisory panel.