

GCOS Cooperation Mechanism (GCM) Project Candidates 2020

Current Requests of operational/network importance

€120K: 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.

€100K: 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 2 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.

€100K: 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 2 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+€120K: Ongoing support for GUAN Station Gan (Maldives) and need to replace the Hydrogen Generator. [Station active but intermittent due to issues with hydrogen generator. Current stock of consumables only to the end of 2020]

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. Availability of gas (Hydrogen or Helium) is fundamental to the operations of a GUAN station. Current system is 15 years old, is unreliable and proving difficult to purchase spares when components fail.

€50K+€120K: Ongoing support for GUAN Station Yerevan (Armenia) and need to replace the Hydrogen Generator. [Station active but current stock of consumables only to the end of 2020]

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. Availability of gas (Hydrogen or Helium) is fundamental to the operations of a GUAN station. Current system is 15 years old, is unreliable and proving difficult to purchase spares when components fail.

**€100K: 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 2 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.