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GLOBAL CLIMATE OBSERVING
SYSTEM (GCOS)

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Task Team Progress Report for November 2022 – Sites

(Submitted by Dale Hurst and Marion Maturilli)

Summary and Purpose of this Document

Progress report from the task team on Sites Intercommunication and Reporting.

Task Team Structure

List of Site Representatives (as of October 2022):

Site	Name	remarks
Boulder, USA	Dale Hurst	(co-chair)
Ny-Ålesund, Norway	Marion Maturilli	(co-chair)
Beltsville, USA	Belay B. Demoz	
Cabauw, Netherlands	Arnoud Apituley	
Lauder, New Zealand	Richard Querel	
Sodankyl, Finland	Rigel Kivi	
Potenza, Italy	Fabio Madonna	
Payerne, Switzerland	Gianni Martucci	
Tateno, Japan	Kamata Yoshihiro	(replaced Junji Hisamitsu)
ARM Sites, USA	Evan Keeler	
Xilinhot, China	Rongkang Yang	
Lindenberg, Germany	Ruud Dirksen	
Australian sites	Matt Tully	
Runion Island, France	Stephanie Evan	
Singapore	Shwei Lin Wong	
Dolgoprudny, Russia	Nadeschda Krestyanikova	
Trappes Palaiseau, France	Jean-Charles Dupont	
Tenerife, Spain	Miguel Hernndez Martínez de la Peña	
Syowa, Japan	Yoshinobu Tanaka	
Minamitorishima, Japan	Kamata Yoshihiro	(replaced Junji Hisamitsu)
Neumayer, Antarctica (DE)	Holger Schmithsen	
Ross Island, Antarctica (NZ, US)	Richard Querel	
Hong Kong, China	David Lam	
Dakar, Senegal		Contact: Seydi Ababacar Ndiaye
Paramaribo, Suriname	Ankie Piters	

Progress on the main tasks

(The task list is from “ANNEX 3: Agreed ICM-13 Actions” of the GCOS 242 report on ICM-13, <https://www.gruan.org/documentation/gcos-wmo>)

Task HP5

HP5: Use of R23 and its Replacement, (a) Provide operational guidance to GRUAN sites on how to manage the finite supply of R23 and monitor the status at each site in collaboration with TT sites

Progress & Issues: TT Sites conducted a survey among sites that operate frostpoint hygrometers about the status of their R23 supply and options for future parallel soundings with alternative instruments. The results of the survey have been provided to LC as basis for a recommendation on operational guidance.

Task C6

C6: Standardizing cloud observations / reporting

Progress & Issues: TT Sites has contributed to GRUAN Report 5 on “Cloud Observations”, based on an earlier survey among the sites.

Further Action Items

Further Action Items in which TT-Sites is intended to be involved, but did not contribute to during the reporting period:

Task C3

C3: Data Policy, TN

Task C5

C5: Standard Humidity Chamber, TN

Task A2

A2: (from ICM-12)

Parallel soundings database augmentation with ancillary data

Progress & Issues: TT-Sites has collected and provided feedback to the draft on “Radiosonde parallel

soundings database augmentation with site-based ancillary data: guidance to sites”, intended to be published as GRUAN TN.