

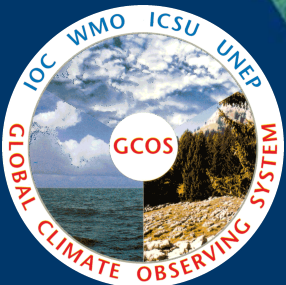
GRUAN Guide of Operations – Status Update

Anna Christina Kuhn, GCOS Secretariat
GRUAN ICM-2, 2-4 March 2010

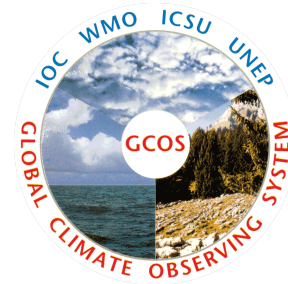


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GRUAN Guide of Operations



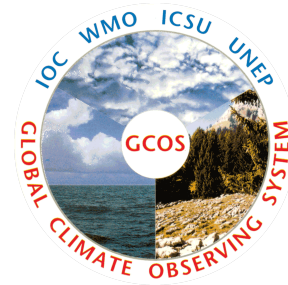
- A Guide of Operations (formerly known as „Manual“) for GRUAN sites does not exist to date
- Needed to guide sites on what they have to do commonly, and what they can do differently
- Needed in particular when extending GRUAN, and for harmonizing with existing WMO manuals on the wider GUAN and GOS

The Guide shall:

- form an important basis for GRUAN implementation
- guarantee the standardization of measurements to assure the comparability and high-quality of observations
- define the requirements (accuracy, long-term stability) for the measurements, but not the specific instrument type, in order to guarantee sustainability of observations and avoid restriction to one vendor



GRUAN Guide – Status



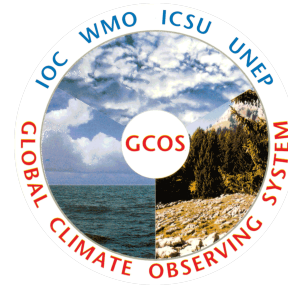
- Item discussed at ICM-1 in Norman (2009):
 - Adopted a draft skeleton
 - Recognized that many elements yet to be developed (e.g., QC concept, data dissemination) **(progress made)**
 - Suggested gap analysis against existing literature by ICM-2 **(no progress)**
 - Online repository of existing WMO and other manuals and guides
 - Suggested finalization by ICM-3

Resources needed to (coordinate) writing of Guide



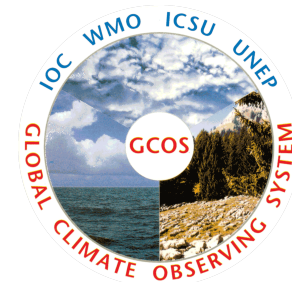
GRUAN Guide

– Steps needed to advance



- Lack of resources and/or expertise in LC, GCOS Sec, WG ARO
- Need a consultant with knowledge of GRUAN & WMO manuals
- Guide strongly featured in WIGOS Pilot Project, with indication of resource needs
- WIGOS PO sponsors 1-day expert meeting on 5 March with participation of staff from CIMO, GCOS Sec., GRUAN LC and the WG chairman
- Can US GCOS program help?
- Recommendation to CBS that ad-hoc WMO expert team on GRUAN be established by end-2010, to translate the appropriate elements described in the forthcoming GRUAN Guide into the WMO regulatory material (-> more formal buy-in by WMO Member countries)





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