

9. GRUAN work plan

The final session agreed on a specific GRUAN work plan for the forthcoming year based on the preceding discussions.

2011-12 GRUAN Work Plan

No	Action	Deadline	Who
1	WG-ARO to update its terms of reference to include the role for assessment and certification as well as the new co-chair structure.	Jul 2011	WG-ARO
2	Formulate recommendations on ground check for radiosondes as GRUAN technical document.	Jul 2011	Radiosonde Task Team
3	Prepare generic poster and PowerPoint presentation to be used in promoting GRUAN within the scientific community. This material is to be posted on www.gruan.org .	Jul 2011	Lead Centre, WG-ARO
4	Consult with the satellite community (GSICS EP, SCOPE-CM EP, CGMS Working Groups) on better linkage to GRUAN.	Sep 2011	WG-ARO, Bodeker
5	The site representation team will collect acknowledgement requirements from sites. Agree and implement data usage acknowledgement protocol.	Sep 2011	Sites, Lead Centre, WG-ARO
6	NCDC should consider the role of repository for raw data and data not yet congruent with GRUAN standards in addition to GRUAN data products. Lead Centre will advise NCDC on needs.	Sep 2011	NCDC (Diamond), Lead Centre
7	Update the inventory of GRUAN site instrumentation in form of a matrix of current site capabilities	Sep 2011	Lead Centre, Sites
8	NCDC to consider a graphical user interface to RS92 GRUAN data. Report to WG-ARO by October 2011.	Oct 2011	NCDC (Vose), Reale
9	NCDC to consider viability to place a voluntary user registration on data usage making clear the benefits of being made aware of periodic reprocessing and likely impacts. Report to WG-ARO by October 2011.	Oct 2011	NCDC (Diamond)
10	Develop a collection of material, which may be used in proposals by sites to get funding. This collection of material is to be started on the GRUAN blog.	Oct 2011	Lead Centre
11	Work with HMEI to scope possible workshop aims and requirements and discuss whether CIMO involvement etc. makes this redundant. Possibility of meeting manufacturers at AMS.	Oct 2011	Lead Centre, WG-ARO, HMEI
12	Integrate GRUAN observations in the NOAA Products Validation System (NPROVS.)	Oct 2011	Reale, Sommer
13	Explore possible avenues to set up a trust fund in support of targeted GRUAN activities.	Dec 2011	WG-ARO, Lead Centre
14	Circulate relevant documents to communities likely to be users of GRUAN products to ascertain whether these data products meet their needs.	Dec 2011	Lead Centre, WG-ARO
15	Complete measurement guidance for GNSS-IWV as technical document.	Dec 2011	Task Team GNSS-PW
16	Complete the GRUAN Manual of Operations in liaison with Task Teams; final version to be approved by WG-ARO, Lead Centre and 2/3s of all sites.	Jan 2012	Bodeker, WG-ARO, Sites, Lead Centre

17	Develop definition for optimal GRUAN site to decide on future sites (optimal location/climate zone, institution etc.). Form an organizing committee to make initial steps towards a workshop (possibly ISSI hosted), to be held shortly after ICM-4. Initial steps are to develop an agenda, draft an invitee list, plan for workshop.	Jan 2012	WG-ARO, GATNDOR
18	Assessment and certification criteria to be fleshed out by WG-ARO, Lead Centre, in consultation with sites representatives. Draft for adoption in time for ICM-4.	Jan 2012	WG-ARO (Bodeker), Sites, Lead Centre
19	Protocol for acceptable instrument change-over as section in manual to cover generic change criteria.	Jan 2012	GATNDOR (Wang), Lead Centre, Bodeker
20	Include a section in the manual on how to move from priority one to priority two climate variables.	Jan 2012	Lead Centre, Bodeker
21	Complete measurement guidance for lidar as technical document.	ICM-4	Task Team on ancillary measurements
22	Radiosonde Task Team to prepare a report on the issues of descent temperature measurements and the use of controlled descent measurements.	ICM-4	Radiosonde Task Team
23	Formulate requirements on surface observations in support of upper-air observations.	ICM-4	Lead Centre, WG-ARO, Task Teams
24	Develop best practice guidance for multi payload launches.	ICM-4	Radiosonde Task Team
25	Assessment of the value and utility of satellite coincident <i>in-situ</i> and remote sensing measurements vis-à-vis standard times for satellite cal/val.	ICM-4	Task Team on measurement schedules and associated instrument-type requirements
26	Initial set of temporal sampling guidance for <i>in-situ</i> and remote sensing instrumentation based upon a quantitative assessment prior to network expansion, including superseding of GCOS-121 documentation for <i>in-situ</i> measurements.	ICM-4	Task Team on measurement schedules and associated instrument-type requirements
27	Formulate generic guidance on collocation based upon quantitative evidence wherever available, for priority one variables. Includes a toolbox and paper for submission.	ICM-4	Lead Centre (Immler), GATNDOR
28	Investigate and design a system to report and resolve problems in data quality and instrument issues.	ICM-4	Lead Centre
29	Implement final version of the GRUAN data dissemination structure.	ICM-4	Lead Centre