



WMO/IOC/UNEP/ICSU  
GLOBAL CLIMATE OBSERVING  
SYSTEM (GCOS)

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**3rd GRUAN Implementation-  
Coordination Meeting (ICM-3)**  
Queenstown, New Zealand  
28 February – 4 March 2011

Session 4

## **Task Team 2 (GNSS-PW) progress report 01/2011**

*(Submitted by Kalev Rannat and June Wang)*

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### **Summary and Purpose of Document**

Progress report from the task team 2 (GNSS-PW) covering first period till 01/2011.

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## **GNSS-PW TT progress report**

As of February 3, 2011

*Kalev Rannat and June Wang*

GNSS-PW TT's goal is to develop explicit guidance on hardware, software and data management practices to obtain GNSS PW measurements of consistent quality at all GRUAN sites. The TT was established in July 2010. [The term of reference](#) (ToR) was completed and approved by GRUAN management in October 2010.

Until February 2011 the first 3 tasks (see below) defined in ToR have been the focus of the TT:

1. To define GRUAN requirements for GNSS-PW observations that are missing in the requirement tables in GCOS (2007).
2. To document and review current status of GNSS instruments and associated data processing methods used at GRUAN sites.
3. To define GRUAN requirements for a state-of-the-art GNSS station, preparing a draft document on "GRUAN GNSS Site Guidelines".

The TT was divided into 3 sub-teams, each concentrating on a selected topic. The results obtained from the sub-teams were (and will be) discussed together with all members of TT via e-mails and conference calls. Significant progress has been made to all three tasks, and the results will be presented at ICM3. At the TT conference call on February 1, three general issues were raised: finalizing solutions to the first three tasks, better synchronization with the GRUAN requirements, and collaborations with other task teams. The TT has decided to continue working in sub-teams on the rest of tasks.