

Progresses to Date for GRUAN

◆ 2004: Initiation

10/2004: GCOS Implementation Plan: “Key Action 12: To establish a high quality reference network of about 30 precision radiosonde stations and other collocated observations” (2005-2009)

◆ Feb. 2005: Establish Climate Requirements at Boulder Workshop

- Participants: Climate scientists, data users
- Requirements report prepared

◆ May 2006: Assess Instrumentation/Siting Options at Seattle Workshop

- Participants: Instrumentation, network design specialists; Observing system managers
- A WMO report completed

◆ Jul. 2006: Establish Working Group on Atmospheric Reference Observations of AOPC

“To facilitate the design and implementation of the network, liaising with other groups and national and international bodies to ensure that any eventual network is fit for purpose, robust and has the required long-term commitment and management structures”

◆ Jan. 2007: Organize special session at 2007 AMS annual meeting on “Improving Climate Data Records Using reference-Quality In Situ Upper-Air Observations”

◆ Fall 2007: Designate Lindenberg as the lead center

◆ Feb. 2008: Meeting on implementation of GRUAN

Meeting on Implementation of GCOS Reference Upper Air Network (GRUAN)

Meeting objective: "Start small, but start"

Develop a work plan that the lead centre and other interested parties will work towards (with a funding commitment to achieve it!) that:

- Identifies and addresses remaining scientific and technical issues;
- Ensures observations are being made in a manner consistent with the stated GRUAN requirements henceforth at a number of initial sites;
- Informs priorities for the GCOS working group.

Agenda Overview

- **Day 1** **Tuesday 26th February**

Session 1 - Registration and Introduction (1/4 day) - *Franz Berger*

Tour of Lindenberg Observatory (1/4 day)

Session 2 - Initial Site Selection (~1/2 day) - *Leopold Haimberger and Holger Voemel*

Ice-breaker (night)

- **Day 2** **Wednesday 27th February**

Session 3 - Radiosonde Instrumentation and Launch Schedule (1/2 day)
- *Dave Goodrich*

Session 4 - Instrumentation and Observing Practices (1/2 day) - *Miroslav Ondras*

Dinner (night)

- **Day 3** **Thursday 28th February**

Session 5 - Data Dissemination and QC/QA (1/2 day) - *Matthew Menne*

Session 6 - Coordination with other International and National Activities
(1/4 day) - *Dian Seidel*

Session 7 - Development of Action Plan (1/4 day) - *Peter Thorne*

Rapporteurs: Stefanie Lorenz and Stefan Rosner

Thanks go to:

- Contributions to “Progresses to date”: Howard Diamond, Bill Murray, Tom Peterson, Dian Seidel and others
- Support from GCOS , NOAA and U.S. GCOS
- Meeting organizing committee: Dave Goodrich, Peter Thorne, Franz Berger, Leopold Haimberger and June Wang
- GCOS/AOPC Working group on Atmospheric Reference Observations
- All session chairs
- Local organizing committee: Franz Berger, Marion Fiedler, Stefanie Lorenz, Susanne Meier

Charges for you

- **To be actively engage in discussions**
- **To volunteer for action items**