

Lead Center Support for GRUAN Task Teams and Sites

BLOG

Blog at gruan.wordpress.com

- Use for discussions
- Exchange and documentation of ideas
- It's possible to use protected discussion (not open to the world)
- Contact: Michael.Sommer@dwd.de

FTP

FTP site available at the lead center to share special data and documents within GRUAN

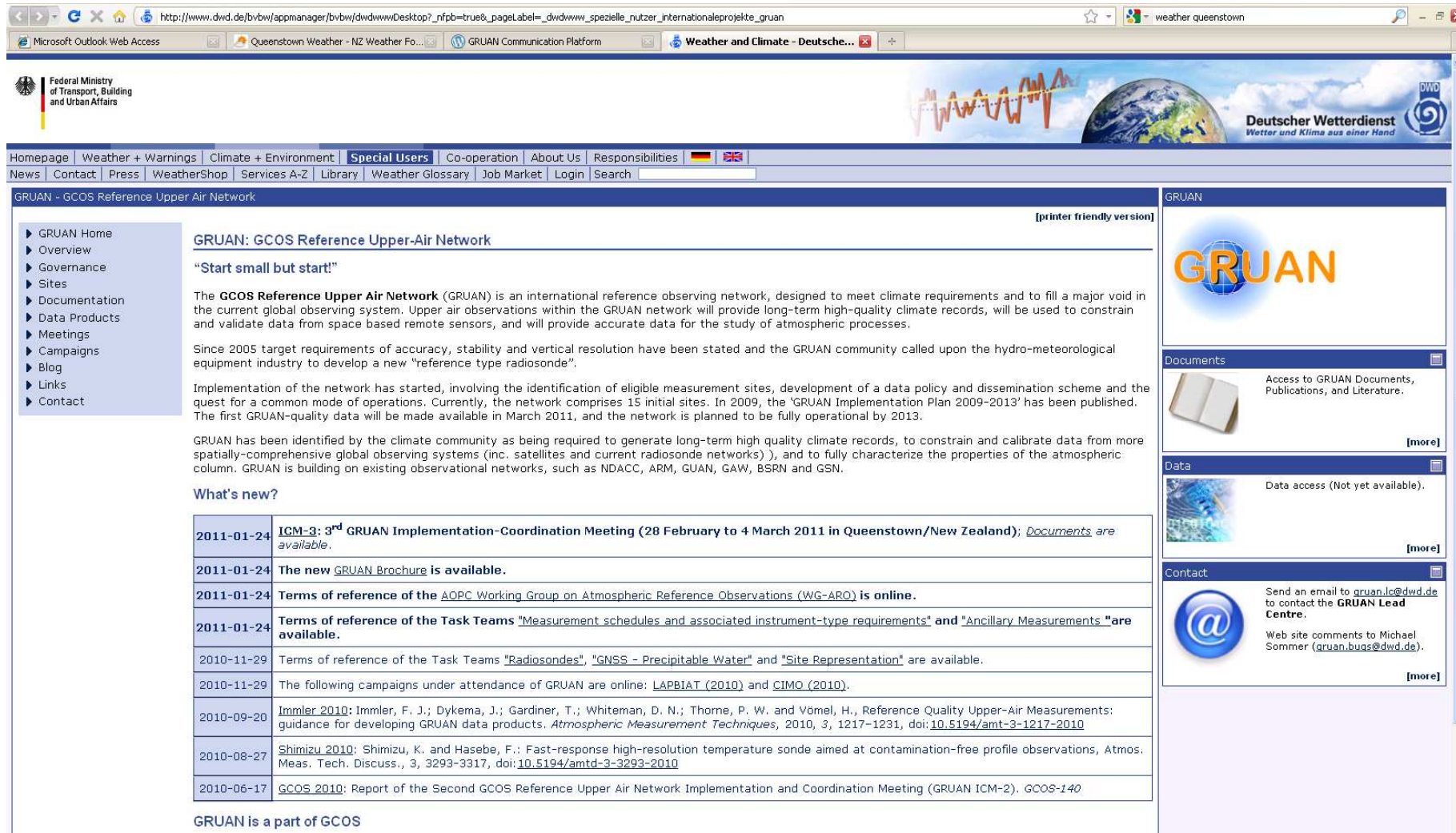
- Contact: Michael.Sommer@dwd.de

Email lists

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tt1-radiosondes@gruan.org
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- Contact: Michael.Sommer@dwd.de

Web site: www.gruan.org



GRUAN - GCOS Reference Upper Air Network

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GRUAN: GCOS Reference Upper-Air Network

"Start small but start!"

The **GCOS Reference Upper Air Network** (GRUAN) is an international reference observing network, designed to meet climate requirements and to fill a major void in the current global observing system. Upper air observations within the GRUAN network will provide long-term high-quality climate records, will be used to constrain and validate data from space based remote sensors, and will provide accurate data for the study of atmospheric processes.

Since 2005 target requirements of accuracy, stability and vertical resolution have been stated and the GRUAN community called upon the hydro-meteorological equipment industry to develop a new "reference type radiosonde".

Implementation of the network has started, involving the identification of eligible measurement sites, development of a data policy and dissemination scheme and the quest for a common mode of operations. Currently, the network comprises 15 initial sites. In 2009, the 'GRUAN Implementation Plan 2009-2013' has been published. The first GRUAN-quality data will be made available in March 2011, and the network is planned to be fully operational by 2013.

GRUAN has been identified by the climate community as being required to generate long-term high quality climate records, to constrain and calibrate data from more spatially-comprehensive global observing systems (inc. satellites and current radiosonde networks), and to fully characterize the properties of the atmospheric column. GRUAN is building on existing observational networks, such as NDACC, ARM, GUAN, GAW, BSRN and GSN.

What's new?

2011-01-24	ICM-3: 3rd GRUAN Implementation-Coordination Meeting (28 February to 4 March 2011 in Queenstown/New Zealand); Documents are available.
2011-01-24	The new GRUAN Brochure is available.
2011-01-24	Terms of reference of the AOPC Working Group on Atmospheric Reference Observations (WG-ARO) is online.
2011-01-24	Terms of reference of the Task Teams "Measurement schedules and associated instrument-type requirements" and "Ancillary Measurements" are available.
2010-11-29	Terms of reference of the Task Teams "Radiosondes", "GNSS - Precipitable Water" and "Site Representation" are available.
2010-11-29	The following campaigns under attendance of GRUAN are online: LAPBIAT (2010) and CIMO (2010) .
2010-09-20	Immler 2010 : Immler, F. J.; Dykema, J.; Gardiner, T.; Whiteman, D. N.; Thorne, P. W. and Vömel, H., Reference Quality Upper-Air Measurements: guidance for developing GRUAN data products. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 1217-1231, doi: 10.5194/amt-3-1217-2010
2010-08-27	Shimizu 2010 : Shimizu, K. and Hasebe, F.: Fast-response high-resolution temperature sonde aimed at contamination-free profile observations, <i>Atmos. Meas. Tech. Discuss.</i> , 3, 3293-3317, doi: 10.5194/amtd-3-3293-2010
2010-06-17	GCOS 2010 : Report of the Second GCOS Reference Upper Air Network Implementation and Coordination Meeting (GRUAN ICM-2). <i>GCOS-140</i>

GRUAN is a part of GCOS

GRUAN

Documents

Access to GRUAN Documents, Publications, and Literature.

[more]

Data

Data access (Not yet available).

[more]

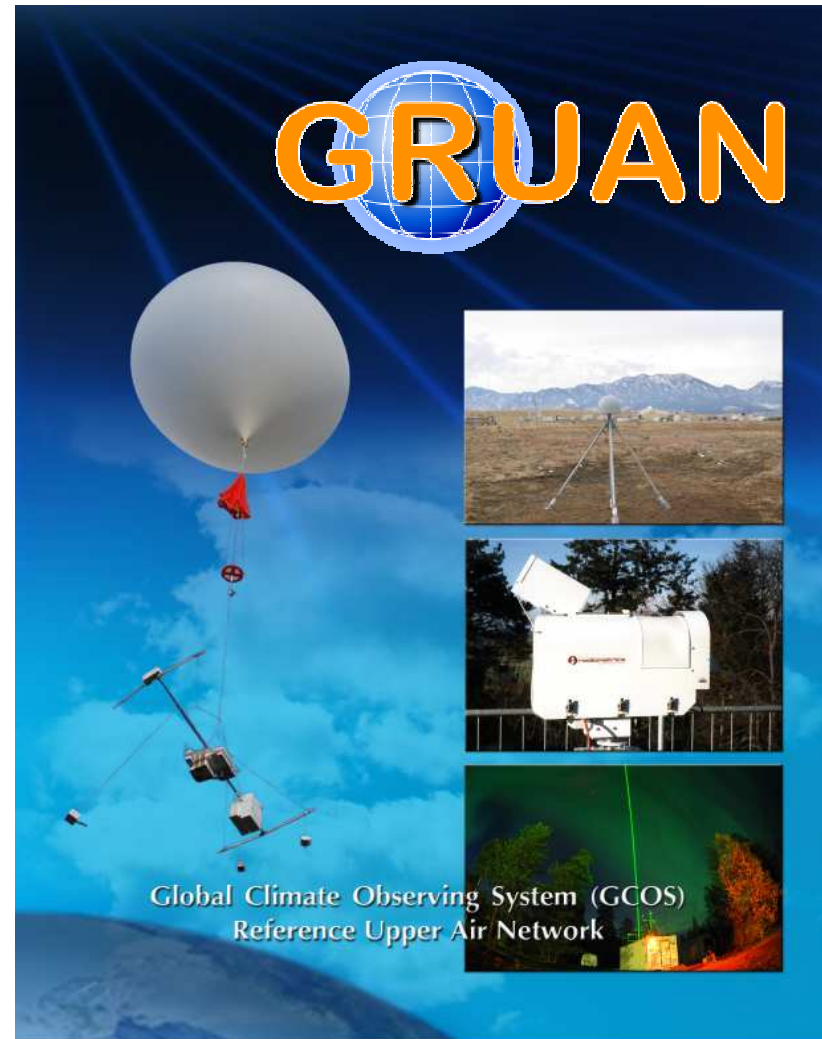
Contact

Send an email to gruan_lc@dwd.de to contact the **GRUAN Lead Centre**.

Web site comments to Michael Sommer (gruan.bugs@dwd.de).

[more]

Brochure



Common GRUAN presentations

Need to coordinate presentations promoting GRUAN for meetings and conferences

Will include at www.gruan.org