New GRUAN website

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New GRUAN website is released https://www.gruan.org

GCOS Reference Upper-Air Network

The climate reference network

The Global Climate Observing System (GCOS) Reference Upper-Air Network (GRUAN) is an international reference observing network, designed to fill an important gap in the current global observing system. GRUAN measurements will provide long-term, high-quality climate data records from the surface, through the troposphere, and into the stratosphere. These will be used to determine trends, constrain and calibrate data from more spatially-comprehensive observing systems (including satellites and current radiosonde networks), and provide appropriate data for studying atmospheric processes. GRUAN is envisaged as a global network of eventually 30-40 sites that, to the extent possible, builds on existing observational networks and capabilities.

GRUAN promotional video

Latest news

GRUAN Technical Note 8 published — Document | 2017-06-01

GRUAN Technical Note 8 (GRUAN-TN-8) published with title "GRUAN Monitor MW41 and the Vaisala RS41 Additional Sensor Interface"

New Official GRUAN Website — Community | 2017-05-31

We proudly announce the new GRUAN website.

Important Changes of Radiosounding in GRUAN — Measurement | 2017-04-06

Recently, various GRUAN sites have changed their system used for daily operational radiosoundings

Main features – 1

- Independent site
  - no longer part of the DWD website
- Modern design
  - can be displayed at all kind of web-enabled devices
- Dynamical elements
  - e.g. overview of the status of the GRUAN data archive
- Secure access
  - supports the secure protocol HTTPS

Main features – 2

- Communication platform
  - can integrate all web activities of GRUAN
  - new features: comments, user forum, newsletter, and contact form
- User management
  - different levels of access privileges
- Protected areas
  - available for selected user groups only, e.g. for GRUAN working group

Network section

- About GRUAN
  - What is GRUAN?
- Working Group
  - WG-GRUAN
- The GRUAN Lead Centre
- Task teams
  - The GRUAN expert groups
- GRUAN Stations
  - The measurement network

Mostly functional

Data section

- Measurements
  - The GRUAN measurements
- Metadata (GMDB)
  - GRUAN Meta-data Data Base
- Data Products
  - Overview about data products
- File archive
  - Direct access to all published files
- Software
  - Developed tools and libraries
- Data policy
  - The GRUAN data policy

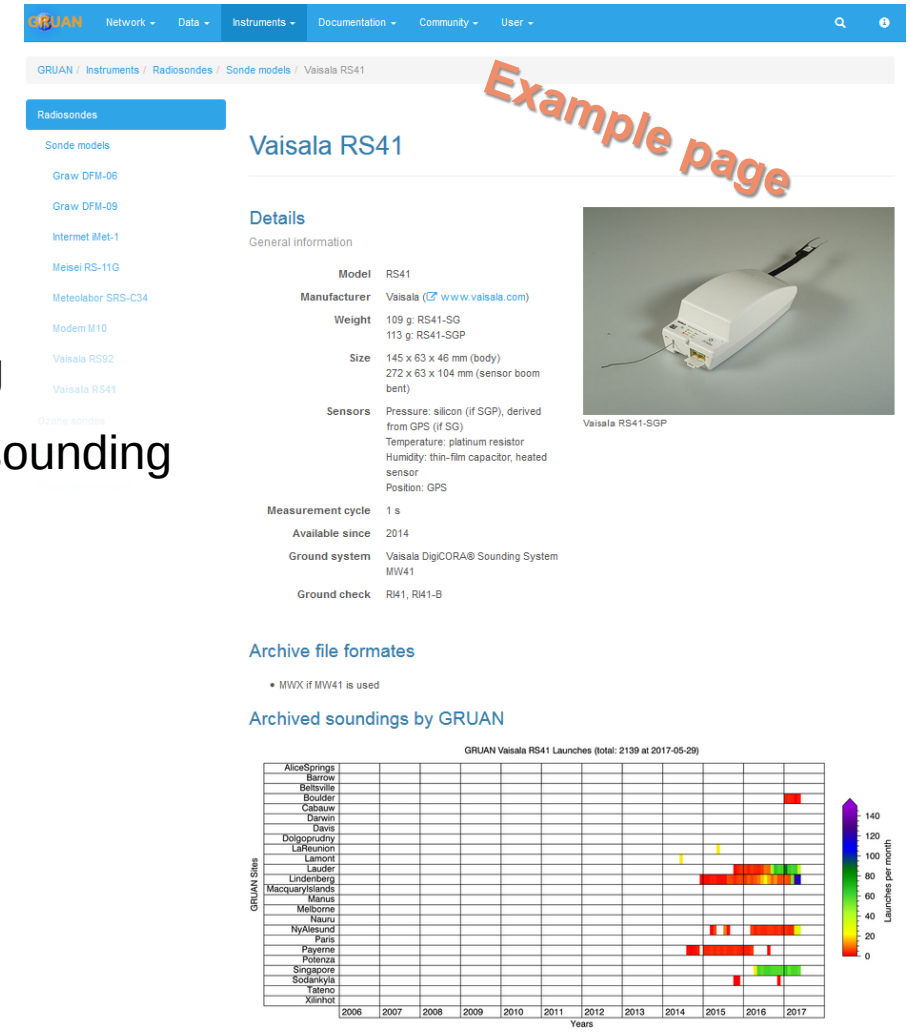
It is under construction!

Structure (maybe) not perfect and content is missing.

Performance of GRUAN data product RS92-GDP.2 at GRUAN sites

Instruments section

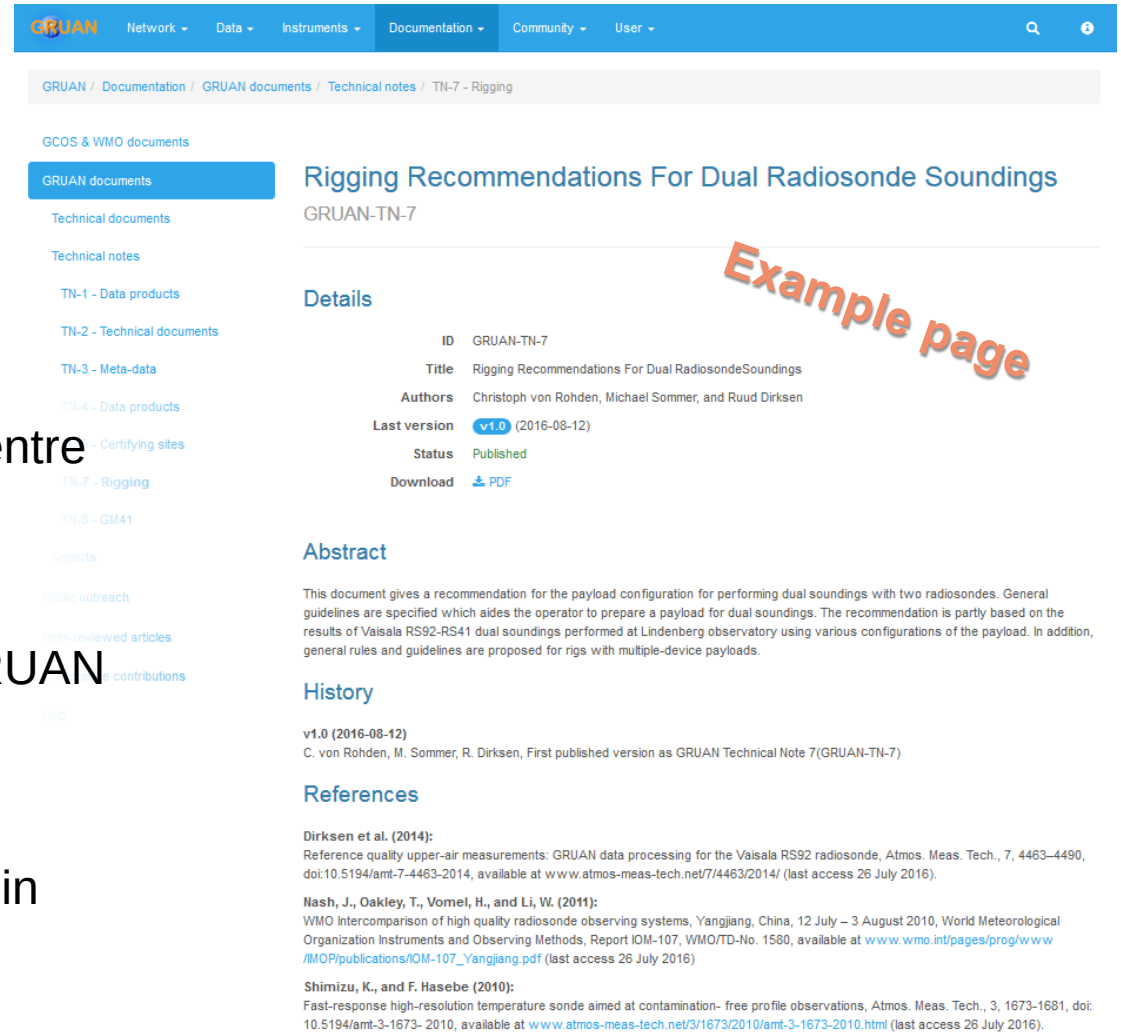
- Balloon-borne in-situ sounding
  - Radiosondes – Backbone of GRUAN
  - Ozone sondes – In-situ ozone sounding
  - Humidity sondes – In-situ humidity sounding
  - Temperature sondes – In-situ temperature sounding
- Ground-based remote sensing
  - GNSS
  - Lidar



It is under construction! Content is missing!

Documentation section

- GCOS & WMO documents
  - GRUAN documents published by GCOS or WMO
- GRUAN documents
  - Published by the GRUAN Lead Centre
- Public outreach
  - Material to support publicity on GRUAN
- Peer-reviewed articles
  - GRUAN-related articles published in scientific journals
- Frequently Asked Questions (FAQ)



Mostly functional

Community section

Deutscher Wetterdienst
Wetter und Klima aus einer Hand

- News
  - News of network, community and related science
- Forum
  - The user forum for all GRUAN-related topics
- Meetings
  - Community meetings, workshops and relevant conferences
- Campaigns
  - In cooperation with GRUAN
- Newsletter
  - GRUAN newsletter subscription

Mostly functional

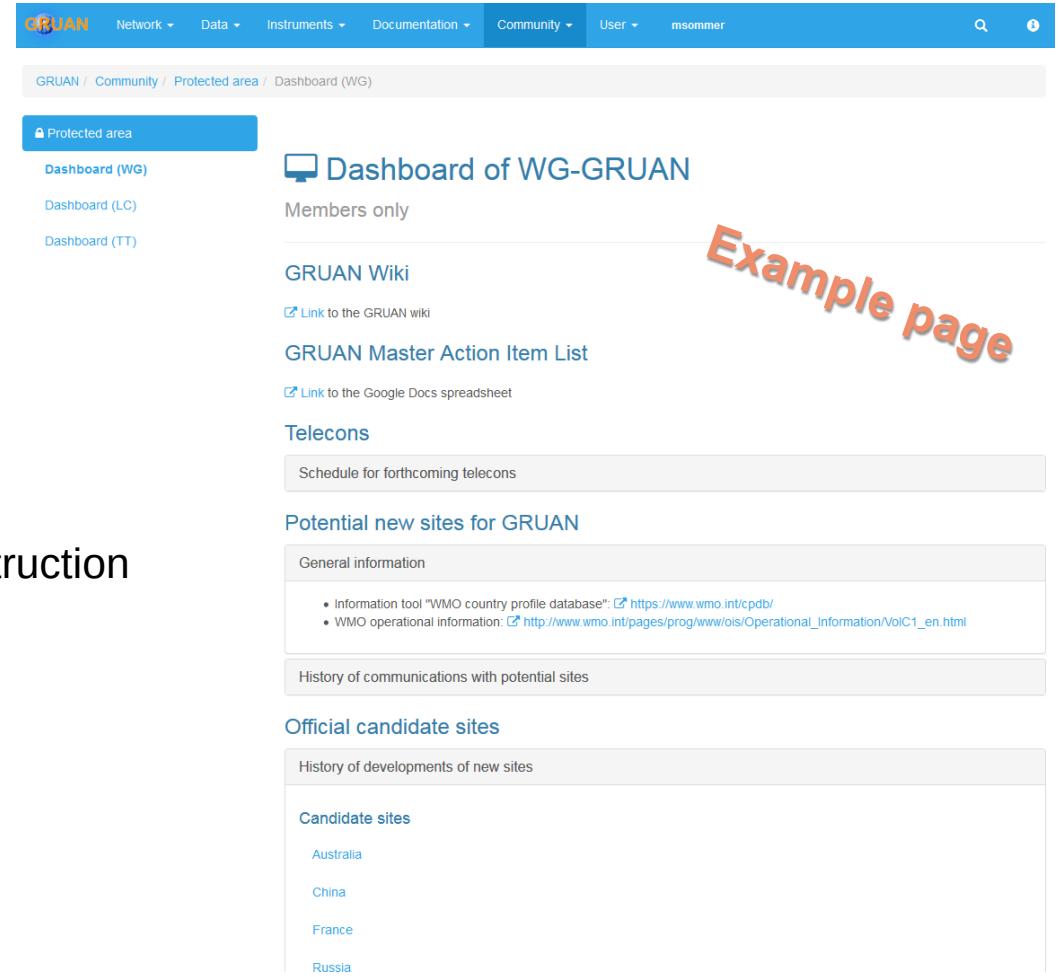
User management

- What are the benefits of registering?

- Protected areas
  - Member of working group, Lead Centre, task team, …

- Access
  - More content pages are available
    - Incl. some pages which are under construction
  - Direct access to (more) data files

- Interactive
  - Commenting is easier
  - Posting in forum



Conclusion

- Released in May 2017 → https://www.gruan.org
- New platform → With a lot of new possibilities
- Needs more content → Sections data & instruments
- Website of whole GRUAN community

  → Contributions are very welcome

Please give feedback and contribute!

gruan.lc@dwd.de

Thursday morning session

REVIEW OF GRUAN WEBSITE

What we did

- Went through the GRUAN web pages and made some structural changes.
- Added content where it was immediately clear what could be added:
  - Instruments page.
- Emailed some people to ask for contributions of specific content.

Work flows and timelines – 1

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- Why are members of the Working Group and Task Teams not using the GRUAN Master Action item spreadsheet?

- Because it there is no sense of timeliness.
- It documents target dates but there is no sense of flow.
- There is no sense of the chain of actions required, next steps, and target completion dates.

Work flows and timelines – 2

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- Proposal to Michael to investigate establishing a '**work management capability**' across the GRUAN web pages that can manage transitional processes such as:
  - Site assessment and certification
  - Document review
  - Auditing of sites
  - Master action item list
  - Software development versions
  - Development of data products
  - Bringing potential GRUAN sites into GRUAN
- The goal is to drive action on transitional processes so that there is more than a flurry of activity one a year.

Request from Lead Centre to the Working Group

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- The Lead Centre requests that the Working Group provides Guidelines to who should be permitted access to:
  - GRUAN data products (both certified and uncertified)
  - Beta version of GRUAN data products
  - Manufacturer data products
  - Converted raw data
  - Original raw data