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What can the GCOS Reference Upper Air Network do for you?

Peter Thorne



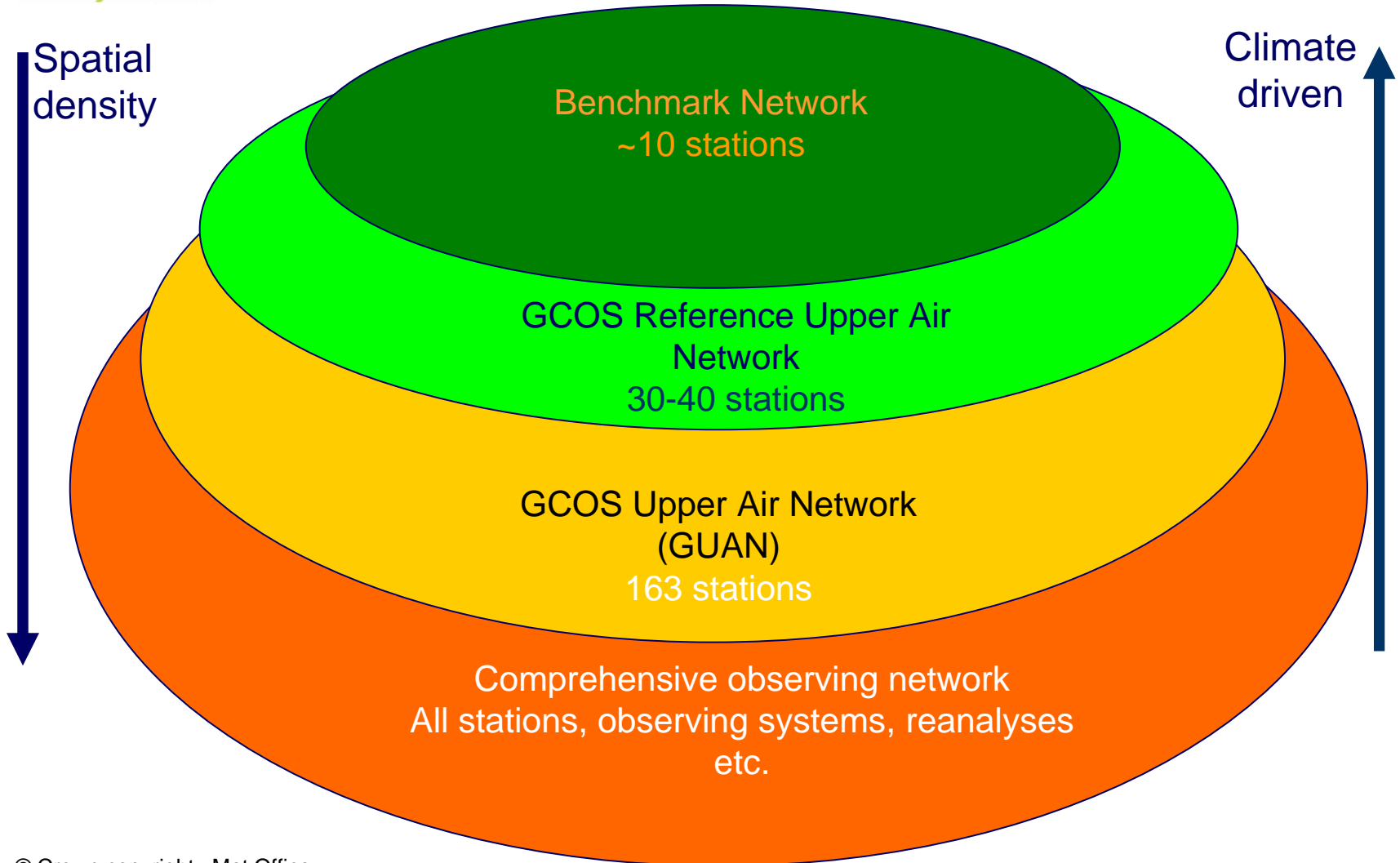
Outline

- What is the GRUAN concept?
- What is the current status?
- What are the plans?
- How can you influence the development of GRUAN?

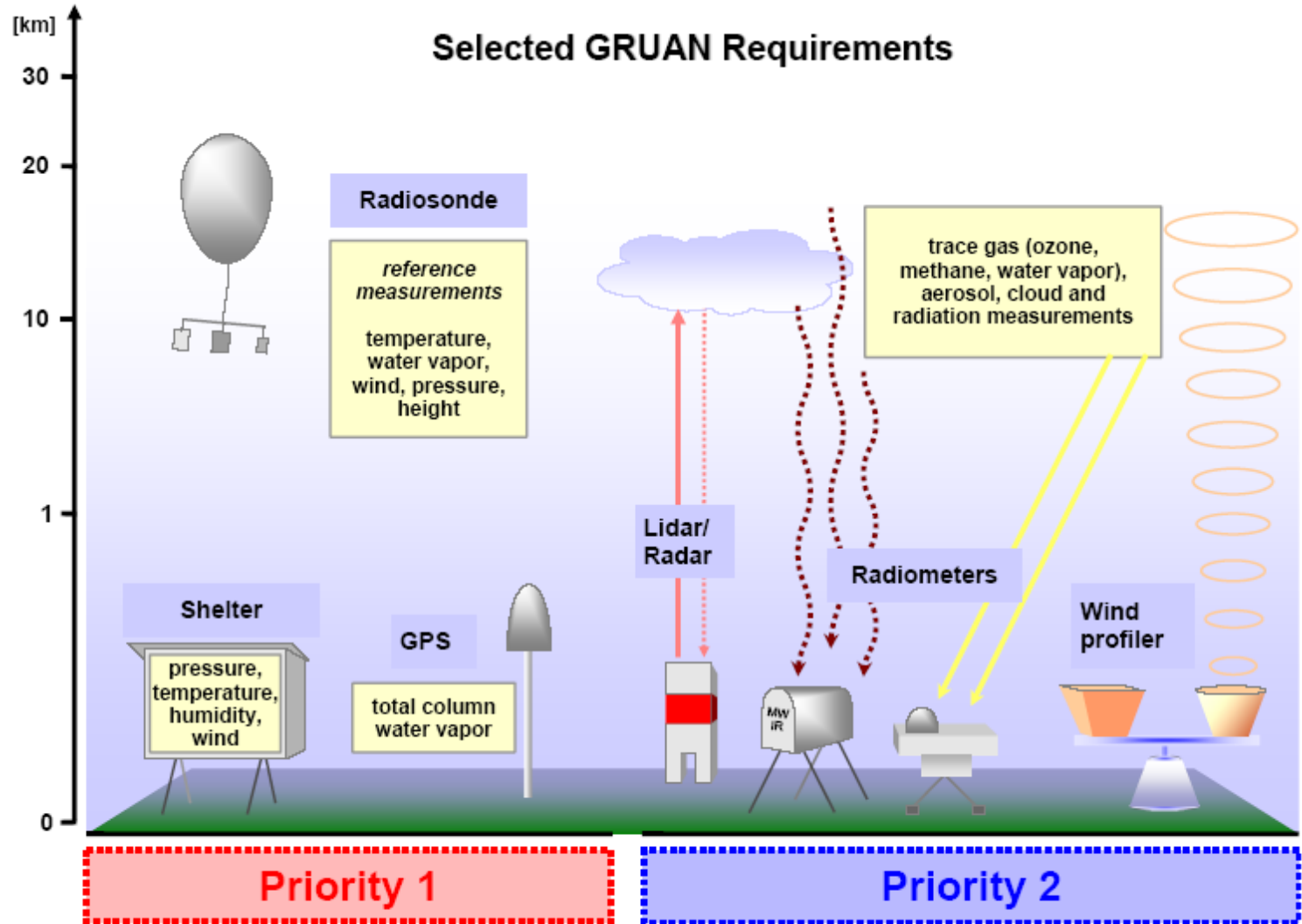


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What is the GRUAN concept?



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What is the GRUAN concept?

- 30-40 sites globally
- Follows climate monitoring principles
- Managed by climate for climate (managed change NOT no change)
- Redundant measurements of full column characteristics
- Availability of data in near real-time for (quasi-) operational usage

What is the current status?

- Lindenberg observatory in Germany designated as lead centre.
- Meeting Feb 08 defined an initial working plan (to become GCOS report)
- GCOS report on rationale (GCOS-112 download from GCOS website) and BAMS submission.
- Work required with initial sites – to be invited in summer

Initial and potential future sites

GCOS Reference Upper-Air Network



Work to be done

- Resolution of radiosonde issues – model(s), launch timing [Major intercomparison 2010]
- Observing manual
- Future sites
- Ensuring data quality
- Data management and dissemination model
- Value added products
- Etc. etc.

How can you influence GRUAN?

- Use the data that will result and provide feedback
- Provide constructive criticism on plans gruan.chairs@dwd.de
- Help us to answer the questions that remain
 - Do some of our work for us please?
 - Okay, pretty please with sugar and a cherry on top?
- Promote its usage in relevant forums.





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Questions and answers

International TOVS Study Conference, 16th, ITSC-16, Angra dos Reis, Brazil, 7-13 May 2008.
Madison, WI, University of Wisconsin-Madison, Space Science and Engineering Center,
Cooperative Institute for Meteorological Satellite Studies, 2008.