



**Met Office**  
Hadley Centre



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

Peter Thorne



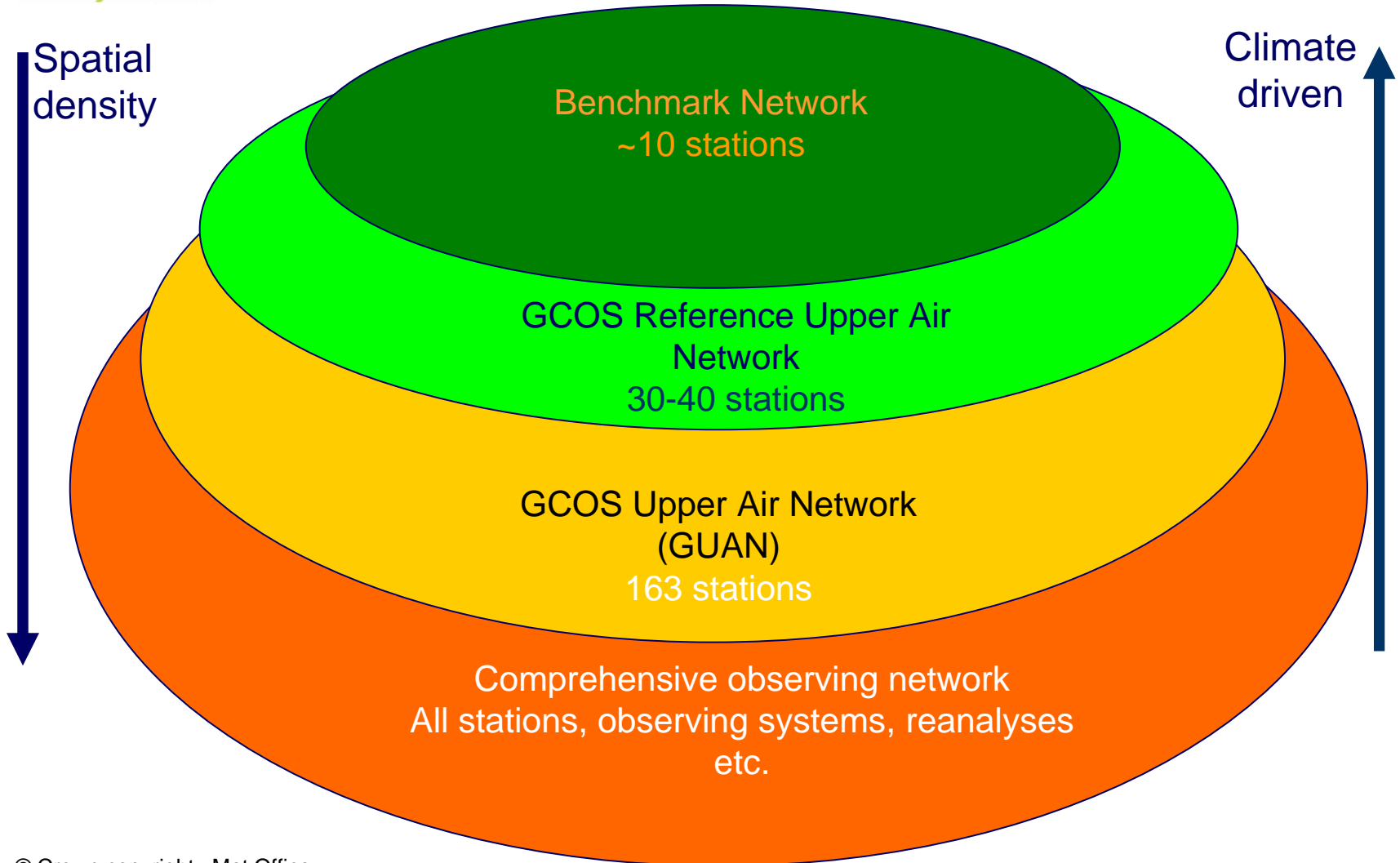
# Outline

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

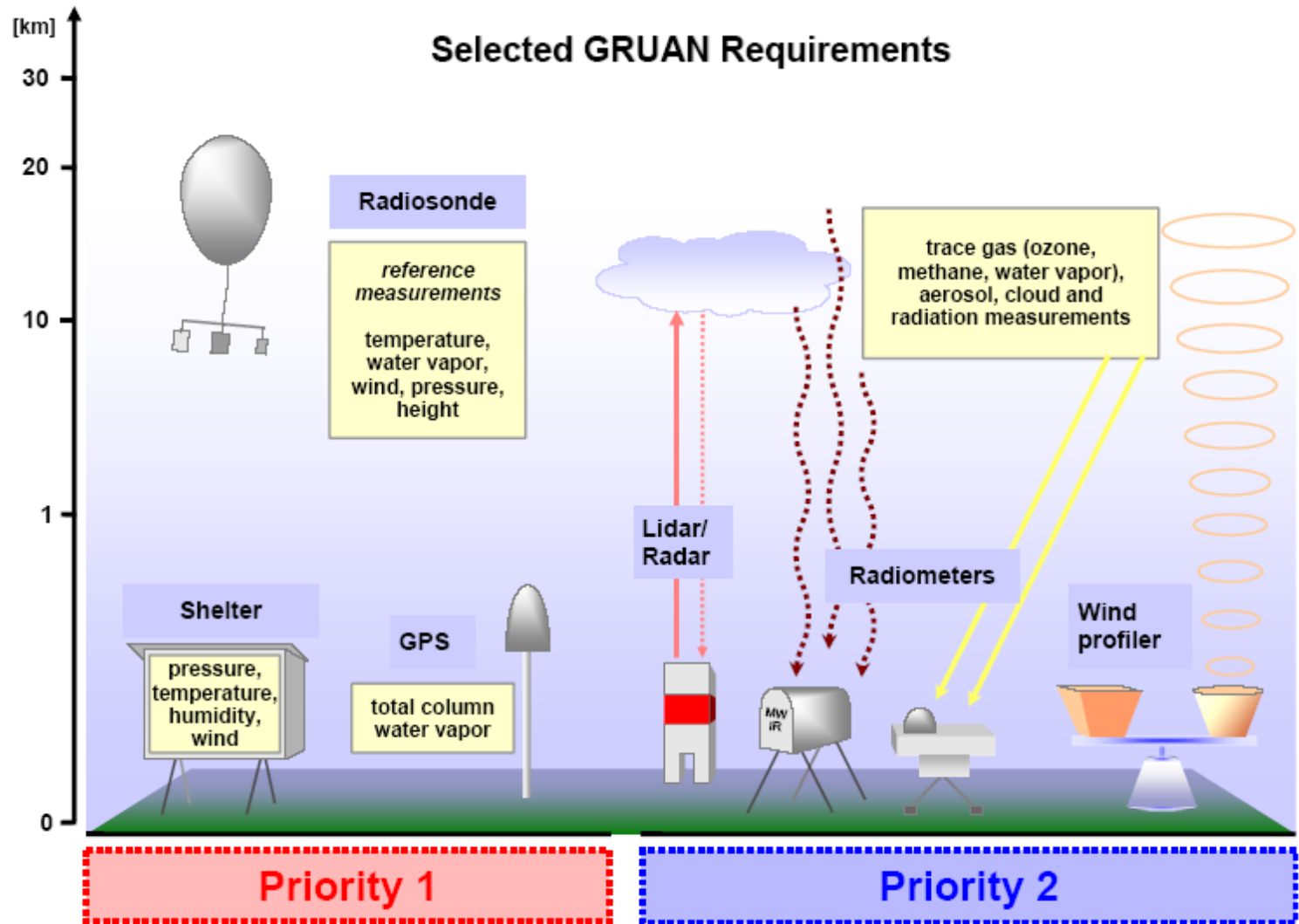


Met Office  
Hadley Centre

# What is the GRUAN concept?



# What is the GRUAN concept?



# 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](mailto: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.





**Met Office**  
Hadley Centre



# Questions and answers