

# Measurement needs for trend detection

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# What this session is not

- An invitation to rehash the radiosonde sampling guidelines in GCOS-121
- An excuse to not start taking GRUAN measurements. “Start small, but start”
- An invitation to advocate given instrumentation specifically.

# How often do we need to observe?

- Scientific considerations
- Practical considerations / logistical constraints
- Financial constraints
- Guidance required for all instrumentation, not just radiosondes

# One time only

- We need to make a change to requirements for temporal sampling only once.
- It needs to cover all instruments for at least priority 1 variables
- It needs to be done before we solicit for substantial network expansion so prospective sites know what will be expected of them.

# GRUAN Imp. Plan

- Calls for Expert team instigation at this meeting to consider:
  - Quantitative assessment of needs (2010)
  - Quantitative assessment of utility of satellite overpass (2011)
  - Final set of temporal sampling guidelines (2011)

# Discussion

- Group remit
- Science questions
- Viewpoints that should be represented
- Realism of timeline in GIP?

## NOT

- Instrument specific
- Rehashing current guidelines here and now.  
“Live with what we have.”