

# Cloud Properties Best Estimate

Is it a necessary effort?

# Perspectives from CPWG

- Need more guidance to define the desired product(s)
- Priorities are difficult to determine but necessary (different audiences/needs)
- Limited mechanisms in place to produce such a complex product
  - Funding/support structure
  - Means to evaluate progress
- Multiple products will likely be needed
- Focus Group will be used to make progress.

# A Request for Guidance

- Is a CPBE necessary?
  - Are MICROBASE and PI products sufficient?
- Comprehensive Product vs. Specific parameters (i.e., IWP)?
- Who is the “audience” for a CPBE product?
  - GCM evaluation vs. Process models
  - Rad. Closure vs. Precip. Budget vs. Processes
  - How many target audiences (i.e., products)?

# A Request for Guidance

- What are the uncertainty tolerances?
  - “The smaller the better.” When is it enough?
  - Needed to define which methods (which complexity) should be used.
  - Uncertainty over what time scales for what audience? (Instantaneous, day, week, month)
  - What are the best metrics for defining uncertainty?