

CAM Macrophysics

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- Discussion yesterday
- Goal: New cloud macrophysics for CAM4
 - Cloud Fraction & Condensation Closure
- Timeline:
 - Check progress with virtual meeting in early November
 - Ideas running by winter AMWG
- Development
 - PDF-type Cloud Fraction ideas
 - New Condensation (Conservative) Closure
 - Ice cloud microphysics improvements
- More info: Andrew Gettelman (andrew@ucar.edu)
 - <http://swiki.ucar.edu/cam-dev/macrophys>

Macrop Ideas Being Pursued

(Multiple people involved: principals listed)

- Conservative Closure: Bretherton, Zhang
- Triangular PDF: Bretherton
- Beta PDF: Gettelman
- Convective condensate: Rasch, Neale
- Ice Microphysics: Liu, Gettelman, Morrison
- Diagnostics/Evaluation: Mapes, Klein, Vavrus, Kay, Jackson, Mitchell

Test framework: CAM3.5+ (UW, MG microp)