

Global Atmospheric System Studies

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WGNE has played a key role in organising the international community in identifying and reducing systematic errors in weather and climate models. Global Atmospheric System Studies (GASS), formed from GCSS (Global Cloud System Studies) and a number of other groups, has played a key role in this process. GASS has coordinating the model development community to better understand physical processes in the atmosphere and improve the way they are represented. Often the processes prioritised for study were chosen based on the recommendations of WGNE who highlight some of the most major errors on weather and climate models.

GASS has typically brought scientist together to compare process models, and weather and climate models, against observations and against each other (so called intercomparisons). However, much of the methodology of GASS and GCSS before it has now been adopted into other projects. In this presentation I will highlight some of the more recent work of GASS and ask how GASS should evolve to best represent the needs of WGNE and other WWRP/WCRP groups.