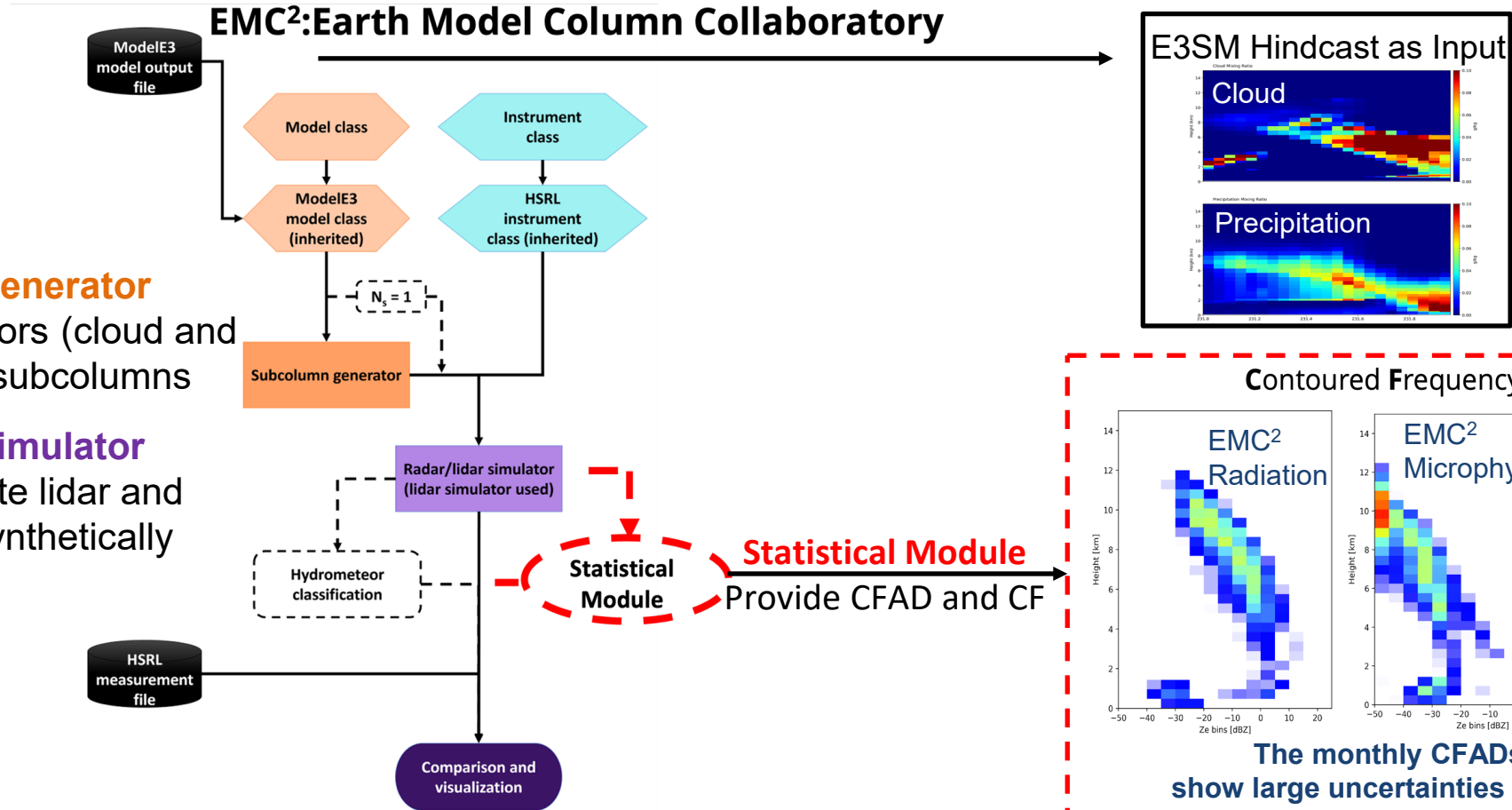


Enhancing EMC² simulators for GCMs



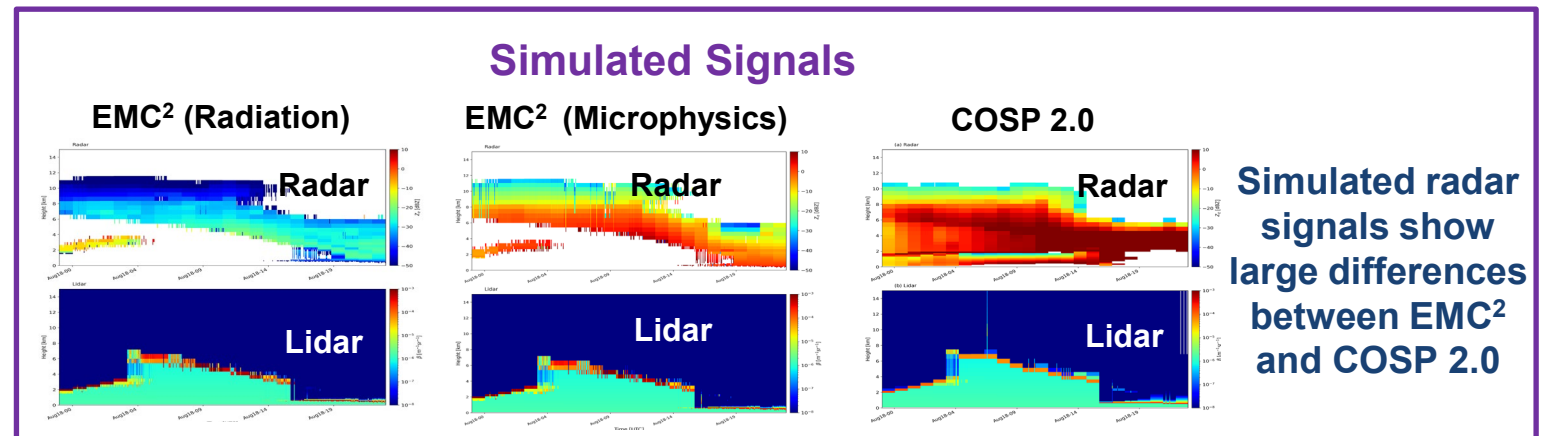
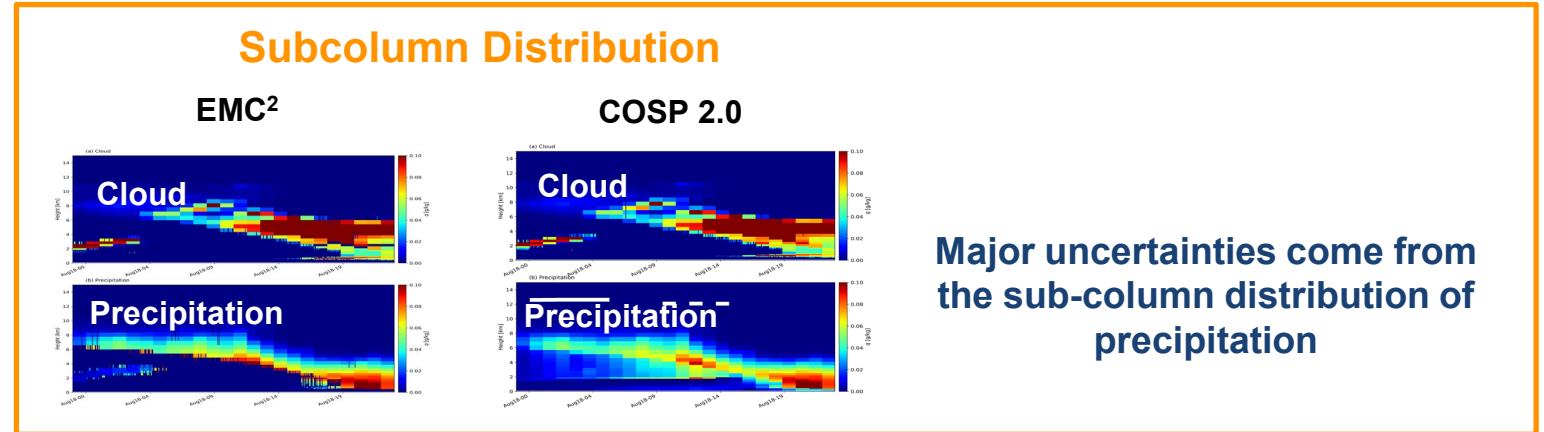
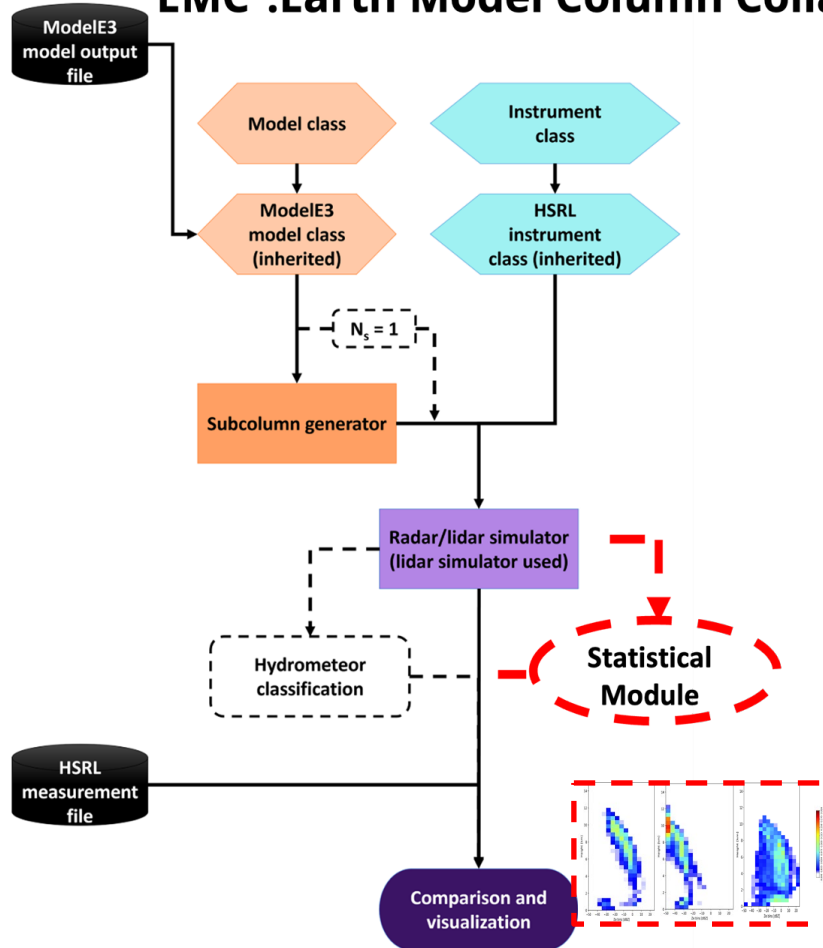
Jingjing Tian, Yuying Zhang, Shaocheng Xie, and Meng Zhang, Lawrence Livermore National Laboratory CLIMATE RESEARCH FACILITY

Objective: Enhance EMC² capability by adding a statistical aggregation module to provide grid-box statistical diagnostics to make EMC² more suitable in evaluating global climate model (GCM) simulated clouds.



Revised flowchart from Silber et al. (2022)

EMC²: Earth Model Column Collaboratory



- Customize EMC² for the DOE E3SM.
- Generate long-term ARM simulator-oriented data products.