

Objectives of this Initiative

- To demonstrate a predictive connection between measured concentrations of ice nuclei (IN) and the initial concentration of ice that appear in clouds as a result of primary nucleation
- Understand the primary sources of IN and develop a representation for IN that accounts for the geographic, altitude, and temporal variations in IN concentrations
- Learn where important microphysical processes take place
- Determine how interactions between the liquid and ice phases
- Determine improved ways of representing primary and secondary ice formation in models

Charge to Breakout Groups

1. Develop scientific plans for SOD
2. Identify contributors to SOD
3. What kind of lab/model/field programs are possible and most productive?
4. List likely participants and resources
5. Draft Outline for each sub-group (lab/modeling/field)
6. Other (field locations, synergy with international programs, w..)?