

# SVW Science Requirements

## TASKS

- scope science focus and science requirements for NASA follow-on SVW mission and observing constellation  
*specific requirement for CDR*
- distinguish science requirements from operational requirements
- iterate with Project and OVWST as instrument/constellation concepts evolve

## APPROACH

- identify partner communities
  - tropical atmospheric science community (PBL, Clouds, Convection)*  
MJO initiation, propagation, Monsoon dynamics, tropical cyclogenesis, convergence zones, ENSO
  - soil moisture community (Hydrology)*
  - sea ice/ ice sheet community (Hydrology, Climate)*
- guidance from NRC Decadal Survey (Kathie Kelly)
- guidance from NOAA SVW WG (Paul Chang, Bob Atlas, Stan Wilson)
- SVW Science Requirements Workshop end of CY2006/beginning CY2007