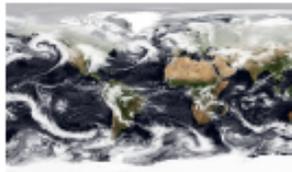




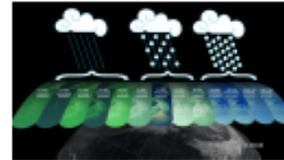
The Decadal Survey Agrees: Snow is Important



DESIGNATED Program Element



Make-up and distribution of aerosols and clouds



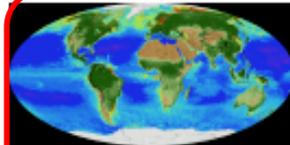
Impacts of changing cloud cover and precipitation

Growth or shrinkage of glaciers and ice sheets



Trends in water stored on land

Alterations to surface characteristics and landscapes



Snow reflectance



Evolving characteristics and health of terrestrial vegetation and aquatic ecosystems

Movement of land and ice surfaces



Candidate EXPLORER Program Element

- Sources and sinks of **CO₂** and **methane**
- Contributions of glaciers and ice sheets to sea level rise
- Impacts of **ocean circulation and exchange with atmosphere** on weather and climate
- Changes in **ozone and other gases** and impacts on health and climate
- **Snow amounts and melt rates and implications for water resources**
- Impact of changes in **land cover and related carbon uptake** on resource management
- Transport of **pollutants** and energy between land, ocean, and atmosphere