Atmospheric River

Warm air advection, LLJ, moisture

Atmospheric warming Wind driven waves/overturning Freshwater from precipitation

**Atmosphere** 

Teleconnection & **Regional Drivers** 

Sea Ice

Ocean

**Currents & Dynamics** 

Mass Loss: Surface Melting Rain on Snow Ice-albedo Feedback RUMOR

Atmospheric River

**Energy Exchange** Evaporation CO<sub>2</sub> Absorption

Global SLR

**Coastal Regions:** 

Extreme Weather & **Nature Hazard** 

And Mohing of Control Constitution Basal Melting

**Antarctic Ice Mass** 

**Glacier Dynamics**