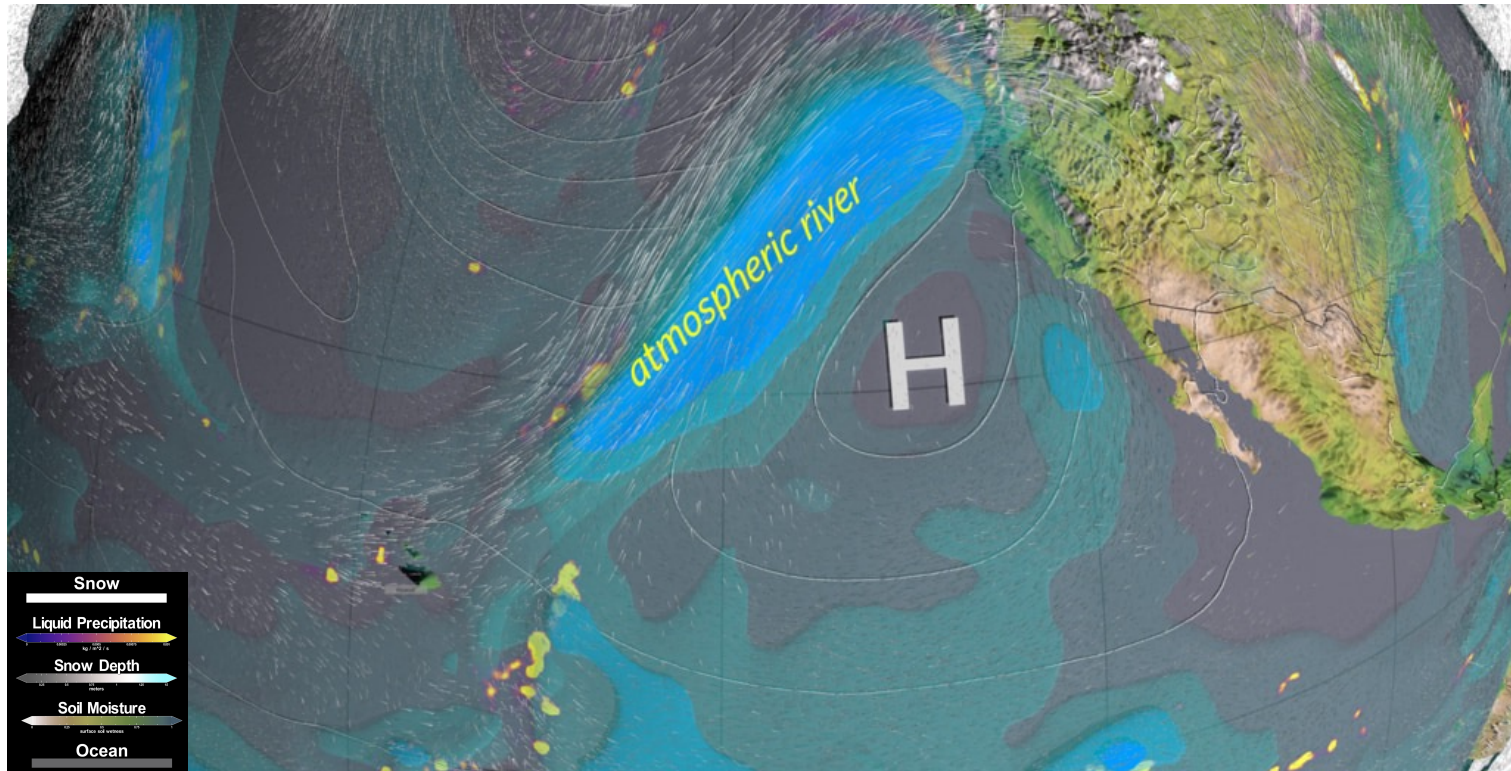


A 3D View of an Atmospheric River from an Earth System Model



Extreme precipitation associated with atmospheric rivers provide valuable freshwater to the western US but can also be destructive through their impacts on flooding and mudslides. This is an example of an atmospheric river captured by the MERRA-2 reanalysis that resulted in extreme precipitation in the Pacific Northwest.

In collaboration with NASA's Scientific Visualization Studio, an animation depicting an atmospheric river resulting in an extreme precipitation event has been made available <https://svs.gsfc.nasa.gov/4960>