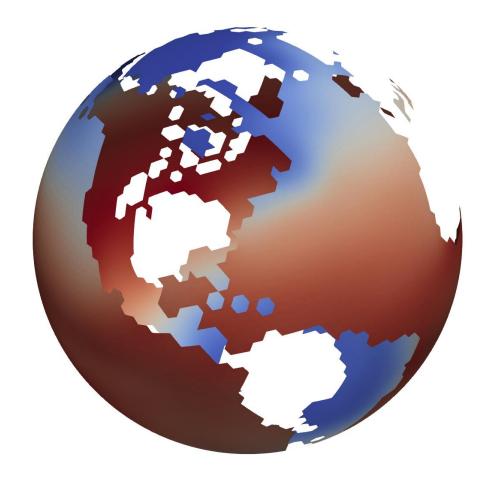# MPAS-Atmosphere and MPAS-Ocean

- Team:
  - Supreeth (LANL/NCAR/U Wyoming) working on MPAS-A
  - Mukund (Argonne) working on MPAS-O

- Goal for workshop:
  - In situ visualization of a scalar field from MPAS-A and MPAS-O

Ocean surface temperature

MPAS-Atmosphere and MPAS-Ocean
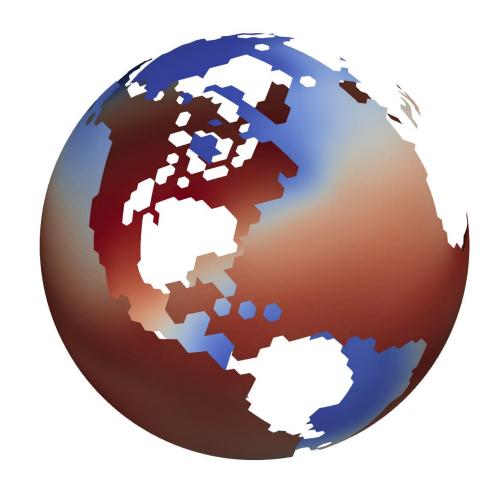
- Steps completed
  - Selected catalyst + paraview
  - Compiled catalyst with fortran examples
  - Linked paraview with MPAS fortran code
- Additional takeways
  - Improved understanding of the landscape of available in situ vis tools and capabilities
- Next steps
  - Complete catalyst fortran adapter for scalar and vector fields
  - GPU based adapter for situ visualization for MPAS - A
  - In situ flow visualizations for MPAS-O ocean currents

Ocean surface temperature