OSU NOPP

**Goal:** Develop nowcast and forecast systems for wind-driven coastal ocean flow fields (alongshore coastal jets, upwelling and downwelling fronts, eddies, surface and bottom boundary layers)

**Approach:**
- High-resolution coastal ocean and coastal atmospheric models
- Data assimilation
- Observational program
  - land-based coastal radar
  - moorings
  - turbulence profiling
  - atmospheric profiling
  - SeaSoar and MiniBAT hydrography and bio-optics