Chesapeake Bay Ecosystem Modeling

- **Objective:** Develop and implement a fully integrated, ecological model of the Chesapeake Bay and its watershed that assimilates *in-situ* and satellite-derived data by adapting and connecting existing models.

- **Purpose:**
  - Near-Real Time Applications: Nowcasting and forecasting of marine organisms, ocean health, and coastal conditions.
  - Climate Research: Estimating effect of climate change on the health of coastal marine ecosystems.

- **Partners:** NOAA, CICS, ESSIC and other UM and UMCES* departments.

SeaWiFS true-color image of Mid-Atlantic Region from April 12, 1998.

Image provided by the SeaWiFS Project, NASA/Goddard Space Flight Center and ORBIMAGE.