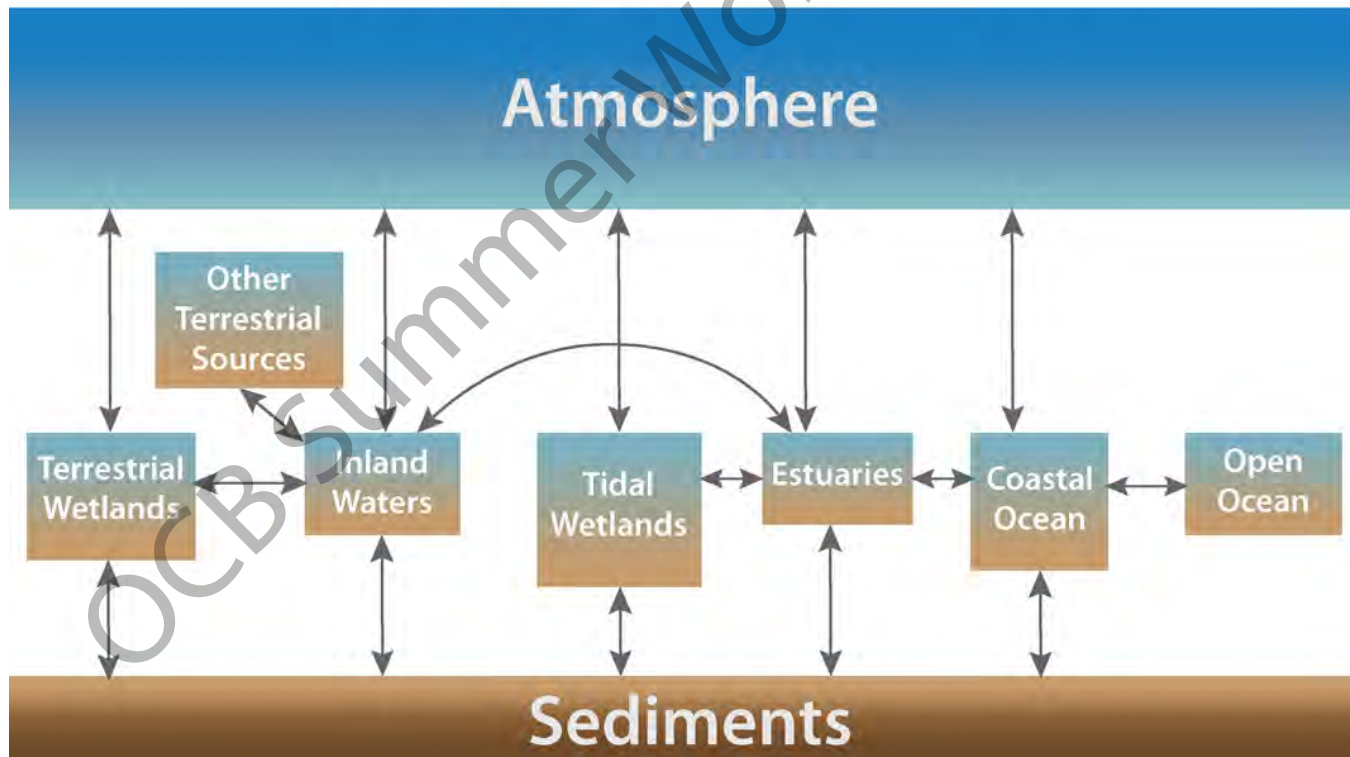


## Plenary Session 2:

# Approaches and challenges to understanding biogeochemical cycling across the land-ocean aquatic continuum

Marjorie Friedrichs (VIMS), Eileen Hofmann (ODU),  
Raleigh Hood (UMCES), Maria Tzortziou (CUNY)

## Carbon and nutrient cycling across the land-ocean interface



## Plenary Session 2:

# Approaches and challenges to understanding biogeochemical cycling across the land-ocean aquatic continuum

### Before lunch:

- **Iris Anderson:** Impacts of freshwater discharge patterns on the carbon cycle in microtidal estuaries
- **Tom Bianchi:** Carbon remineralization and burial in the coastal margin: linkages in the Anthropocene
- **Xiao Liu:** Simulating nitrogen cycling and transport across the river-coast-ocean continuum: a global perspective
- Panel Discussion with **Ray Najjar, Goulven Laruelle** and a.m. plenary speakers

## Plenary Session 2:

# Approaches and challenges to understanding biogeochemical cycling across the land-ocean aquatic continuum

### After lunch:

- **Eleven 3-min Lightning Talks**
- **Lee Cooper:** Changing freshwater fluxes to the Arctic Ocean
- **Joel Rowland:** Riverine fluxes to the Arctic Ocean, with an overview of ESM modeling gaps
- Panel Discussion with **Paty Matrai, Jessica Cross** and p.m. plenary speakers