

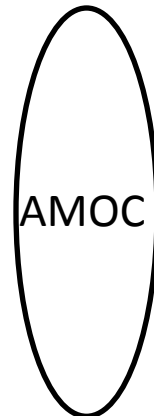
Coupled  
Arctic  
North Atlantic  
Dynamics  
Initiative  
(CANDI)

Arctic



North Atlantic

contiguous  
continental  
shelves



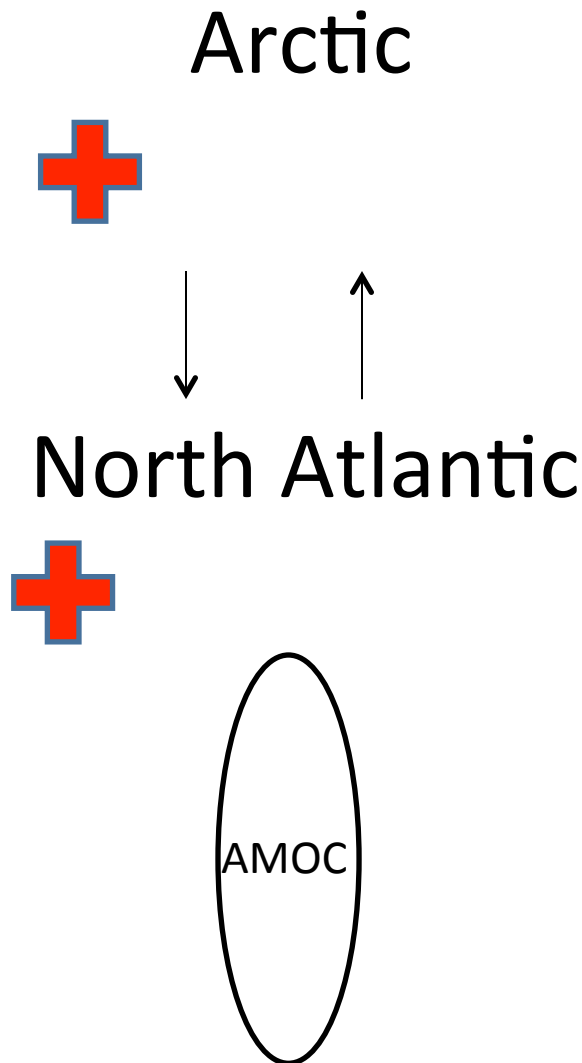
contiguous  
continental  
shelves

Coupled  
Arctic  
North Atlantic  
Dynamics  
Initiative  
(CANDI)

Climate forcing: heating

Heat

contiguous  
continental  
shelves



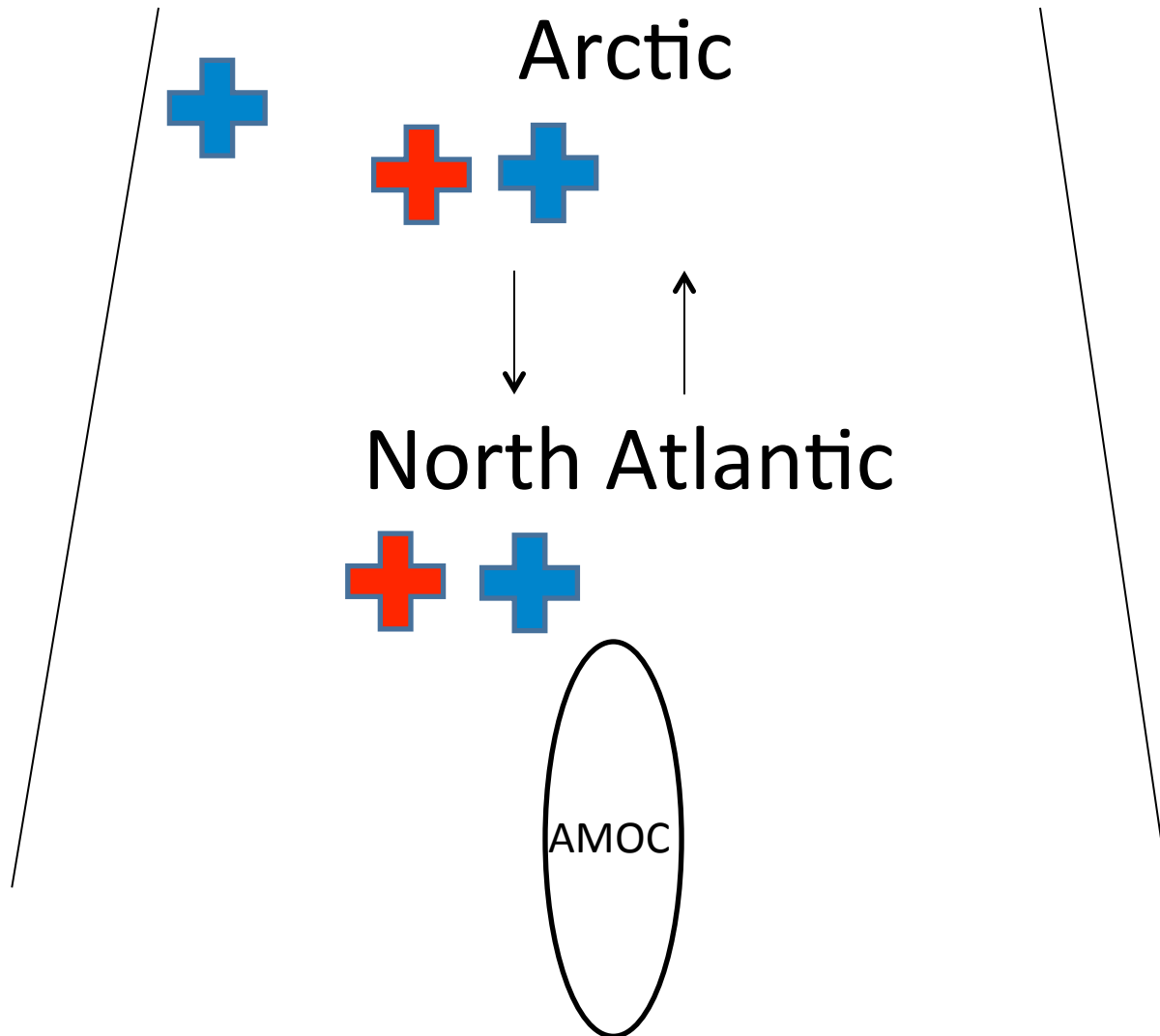
contiguous  
continental  
shelves

Coupled  
Arctic  
North Atlantic  
Dynamics  
Initiative  
(CANDI)

Climate forcing: freshening  
Melting sea ice,  
accelerating hydrologic cycle  
Transport into the N Atl

Heat  
Freshwater

contiguous  
continental  
shelves



contiguous  
continental  
shelves

# Coupled Arctic North Atlantic

## Dynamics Initiative (CANDI)

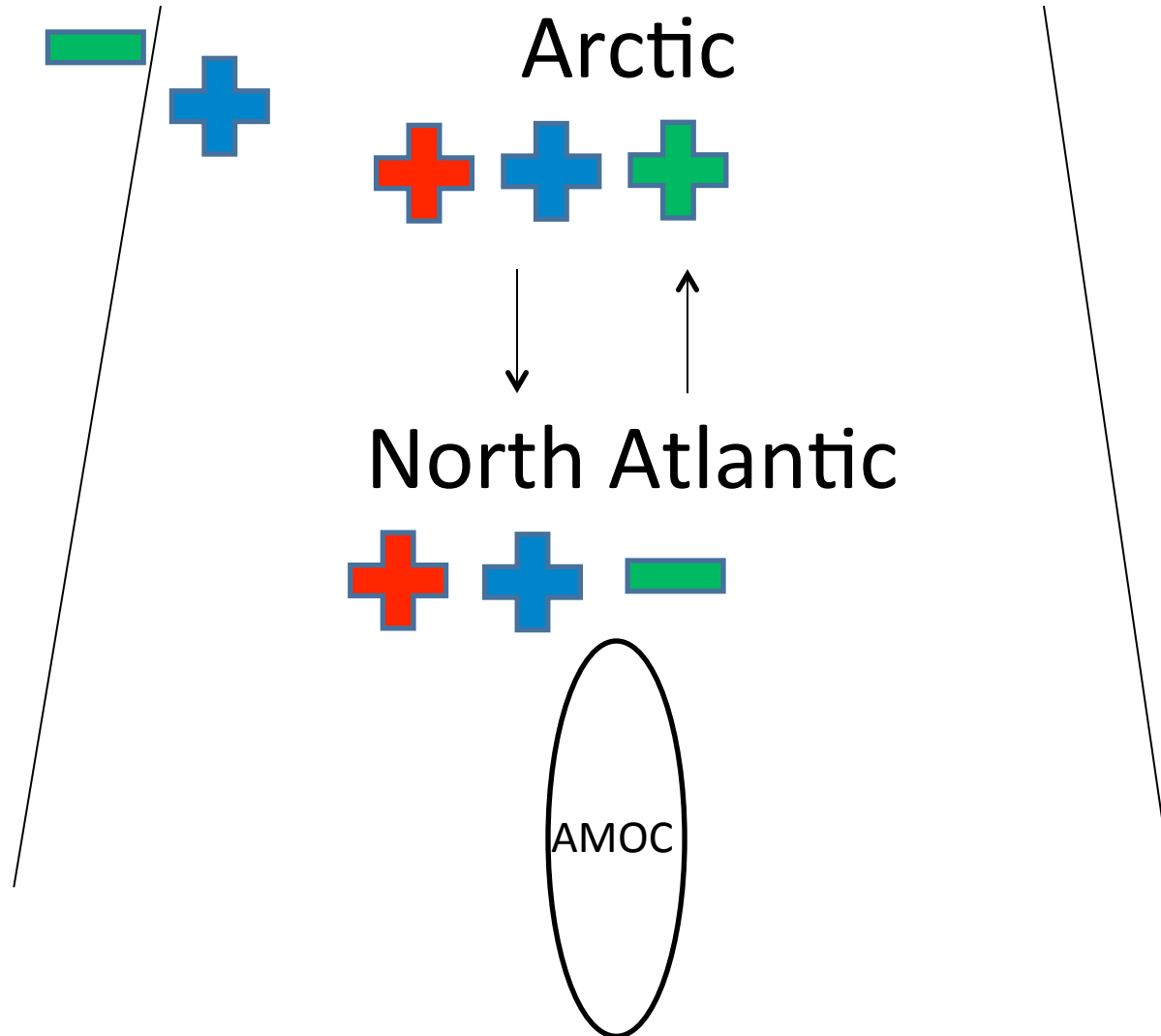
### Ecosystem impacts

- More open water in the arctic
- Blackening of the coastal margin
- Increased stratification in N Atl

Heat  
Freshwater  
Productivity

contiguous  
continental  
shelves

contiguous  
continental  
shelves



### North Atlantic

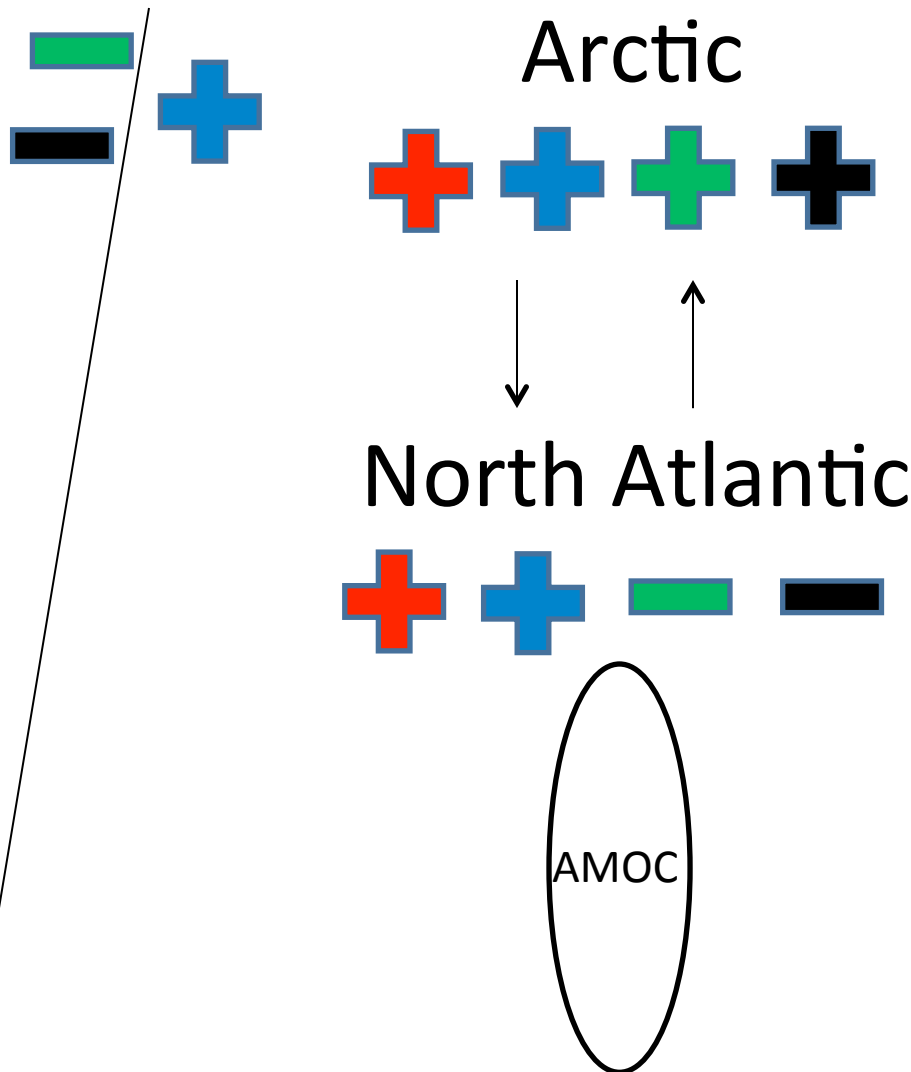
AMOC

# Coupled Arctic North Atlantic

Biogeochemical cycling  
More open water in the arctic  
Blackening of the coastal margin  
Increased stratification in N Atl

**Heat**  
**Freshwater**  
**Productivity**  
**Carbon uptake**

Dynamics  
Initiative  
(CANDI)



contiguous  
continental  
shelves

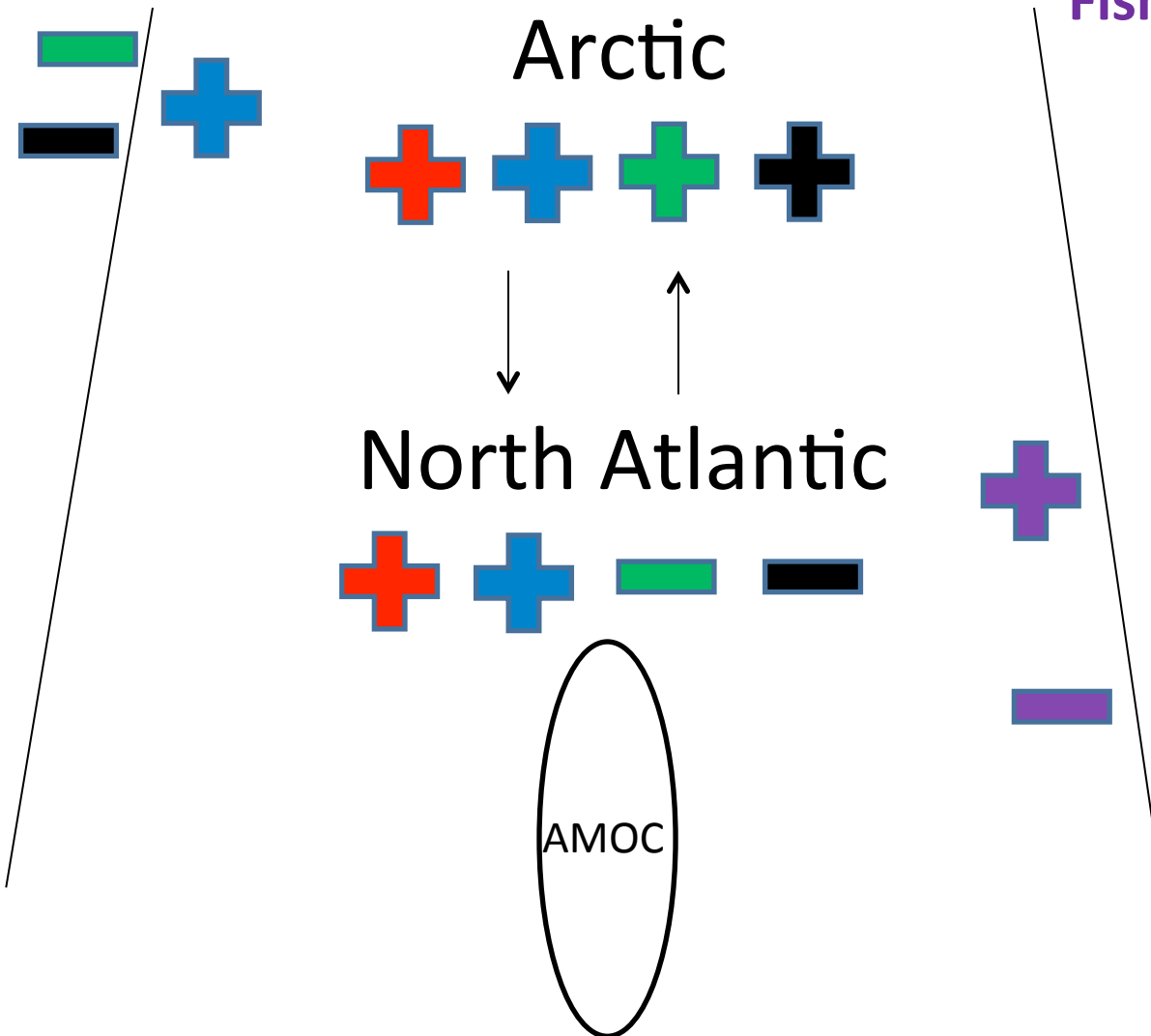
contiguous  
continental  
shelves

Coupled  
Arctic  
North Atlantic  
Dynamics  
Initiative  
(CANDI)

Fisheries impacts  
Northward migration

- Heat
- Freshwater
- Productivity
- Carbon uptake
- Fish

contiguous  
continental  
shelves



contiguous  
continental  
shelves