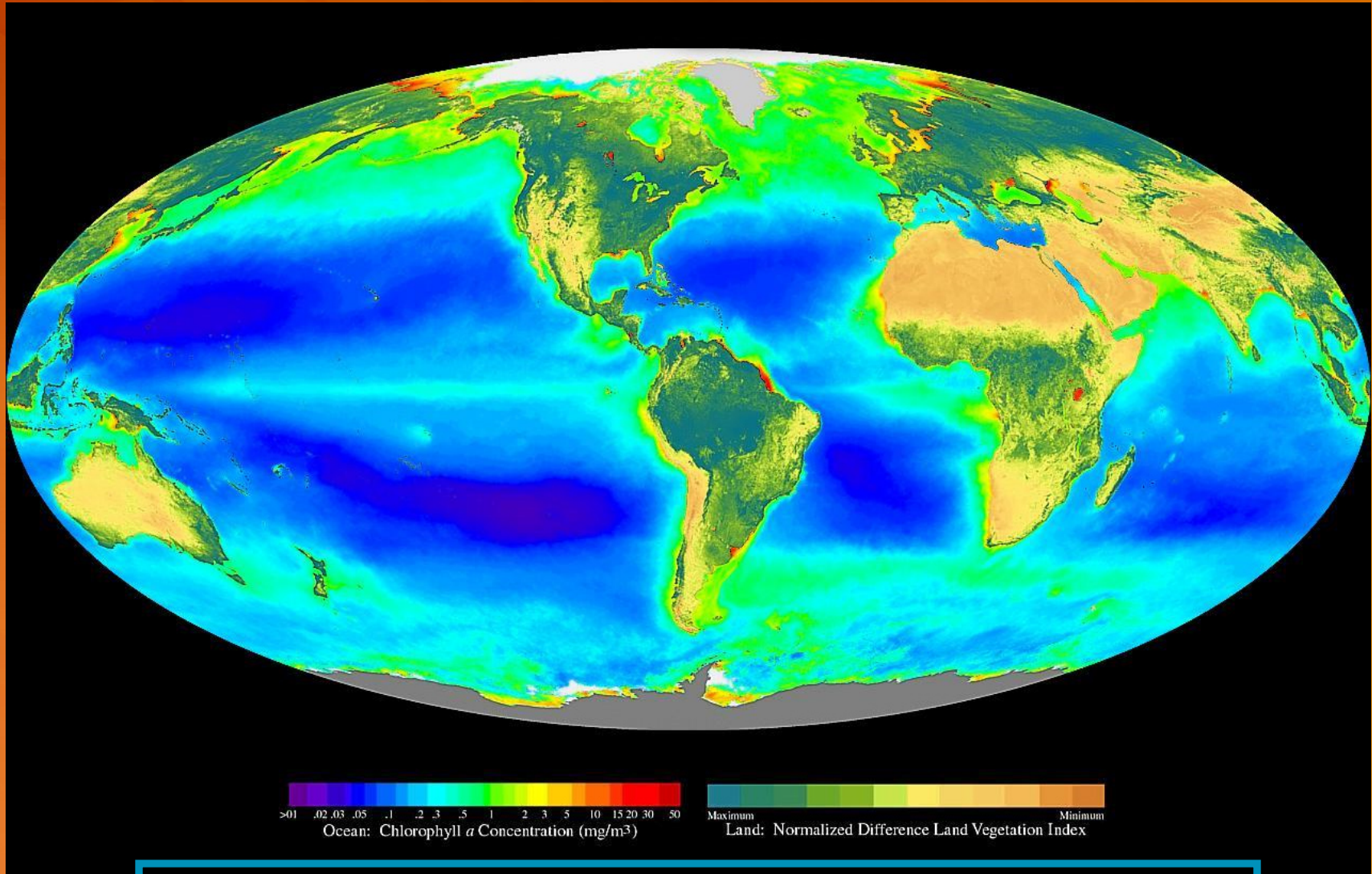


Oceanic Primary Production



Highest primary production rates occur in coastal zones, high latitudes and equatorial upwelling zones

Blue Carbon – carbon captured by oceans and coastal ecosystems

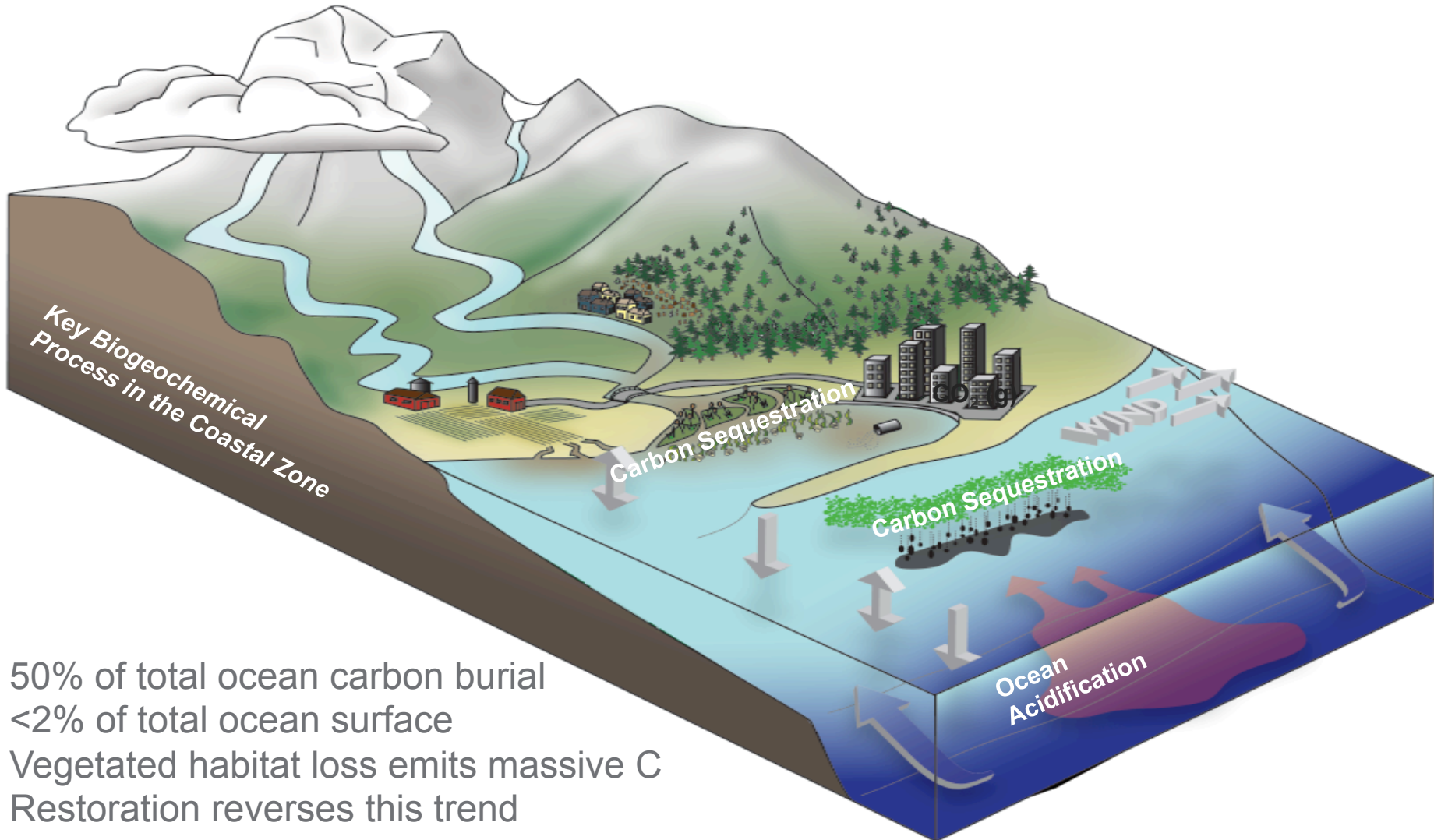


Northwest
NATIONAL LABORATORY

Operated by Battelle Since 1965

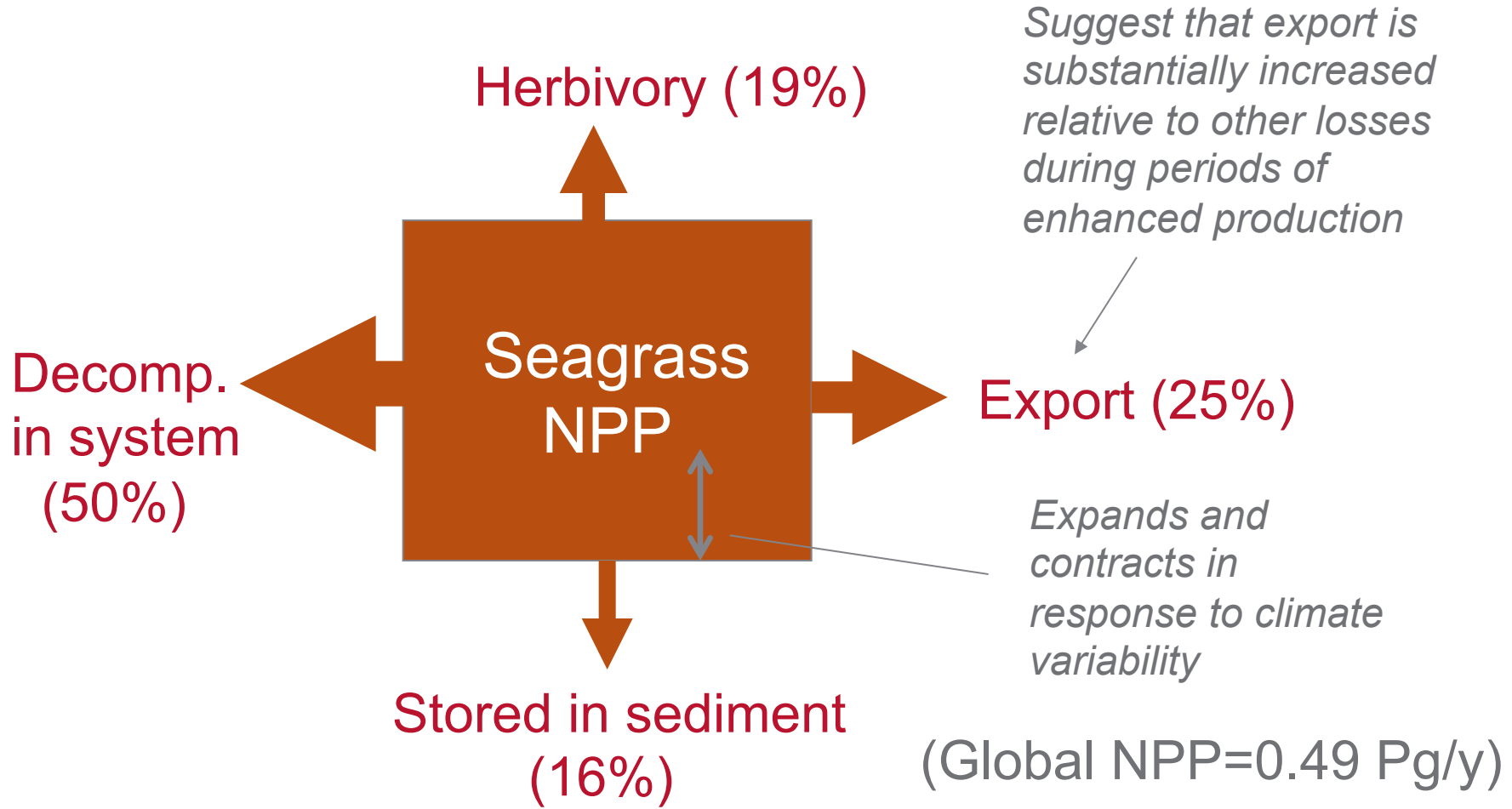


Carbon Cycling Processes in the Coastal Zone



50% of total ocean carbon burial
<2% of total ocean surface
Vegetated habitat loss emits massive C
Restoration reverses this trend

Fate of Seagrass NPP (after Duarte and Cebrian 1996)



China is restoring coastal wetlands, partly to sequester CO₂



Pacific Northwest
NATIONAL LABORATORY

Proudly Operated by **Battelle** *Since 1965*

