

# “Biogeochemical Equation of State for the Sea-Air Interface”, Elliott et al. 2019

- Offline food web for dynamic distribution of surface active proteins, lipids
- At left, ratio of gas transfer rates without/with organic ripple control
  - Bloom seasons in... (parentheses)
- At right, absolute drag coefficients in units  $10^{-3}$
- Bold column typical, far right surfactant influence winter or (bloom) season

**Note: Regional and seasonal effects as high as an order of magnitude**

