# Influence of temperature on organic matter consumption and nutrient regeneration by microbial respiration in the Gulf of Maine



**Ocean Processes Analysis Laboratory** 

- than the global ocean since the onset of Gulf Stream moving north and cutting off the basin  $^{2,3}$ .
- Warming temperatures lead to a faster the rate of respiration due to activation
- Gulf of Maine?
- benthic organisms.
- environments.
- produced:





- matter (DOM) and particulate organic matter
- settlement



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. Morán, X. A. G., Calvo-Díaz, A., Arandia - Gorostidi, N., and Huete -Stauffer, T. M., 2018, Temperature





