



Ocean Acidification

30%

of all atmospheric CO₂ is absorbed by the ocean

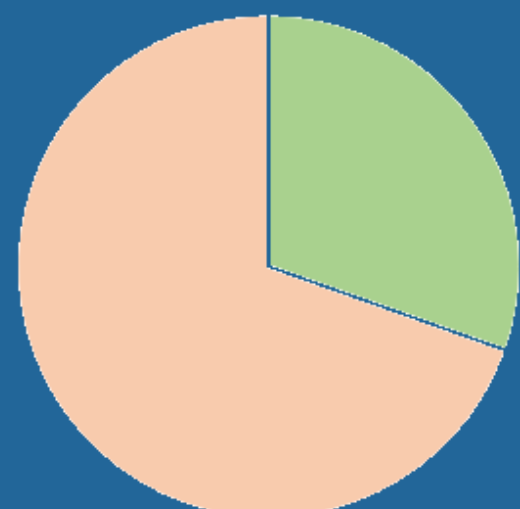
1988: 330.8 μ atm

2017: 376.2 μ atm

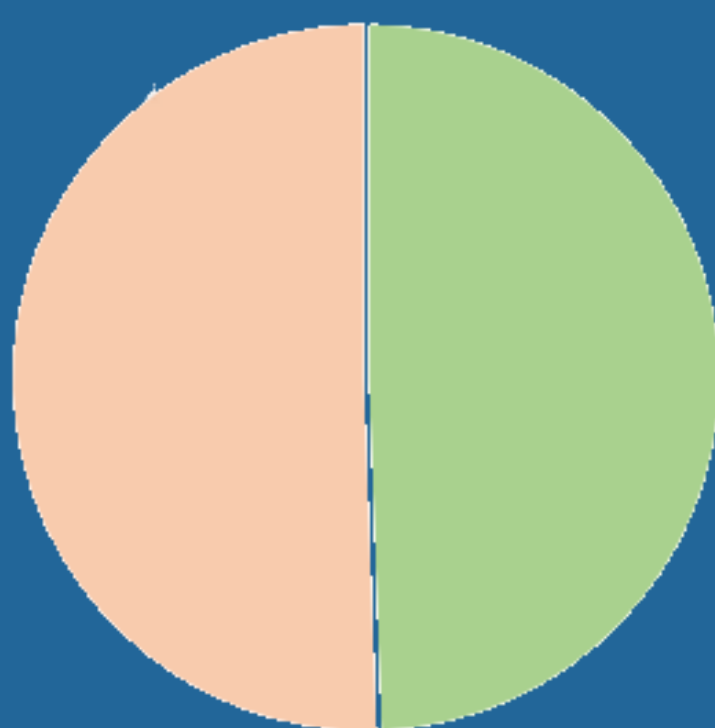
pCO₂ levels have increased 12.1% since 1988

Shellfish Caught in Canada

Shellfish
Other fish



1994 (\$1.74B)



2017 (\$3.8B)

77k jobs in Canada's shell-fishing industry are at risk!

While we know we are putting our \$3.8B/yr industry at risk, we do not know the effects ocean acidification will have on the ocean food web or the rest of the world.

Organisms require free carbonate in order to build their shells. Without enough carbonate, species are at risk

1988: 246.9 ppm

2017: 222.4 ppm

Carbonate levels have decreased 10% since 1988