

WHAT IS OCEAN ACIDIFICATION?

Ocean acidification (OA) is a climate-ocean impact.

Carbon dioxide emissions are being absorbed by the ocean and altering the chemical balance of seawater which marine life depends upon for survival.

We must dramatically reduce carbon dioxide emissions.

Multiple impacts of climate change to our ocean:

- Ocean warming
- More frequent and intense storms
- Loss of marine and shoreline habitat
- Sea-level rise
- Sea ice melt
- Climate variability
- Changing ocean circulation
- Hypoxia

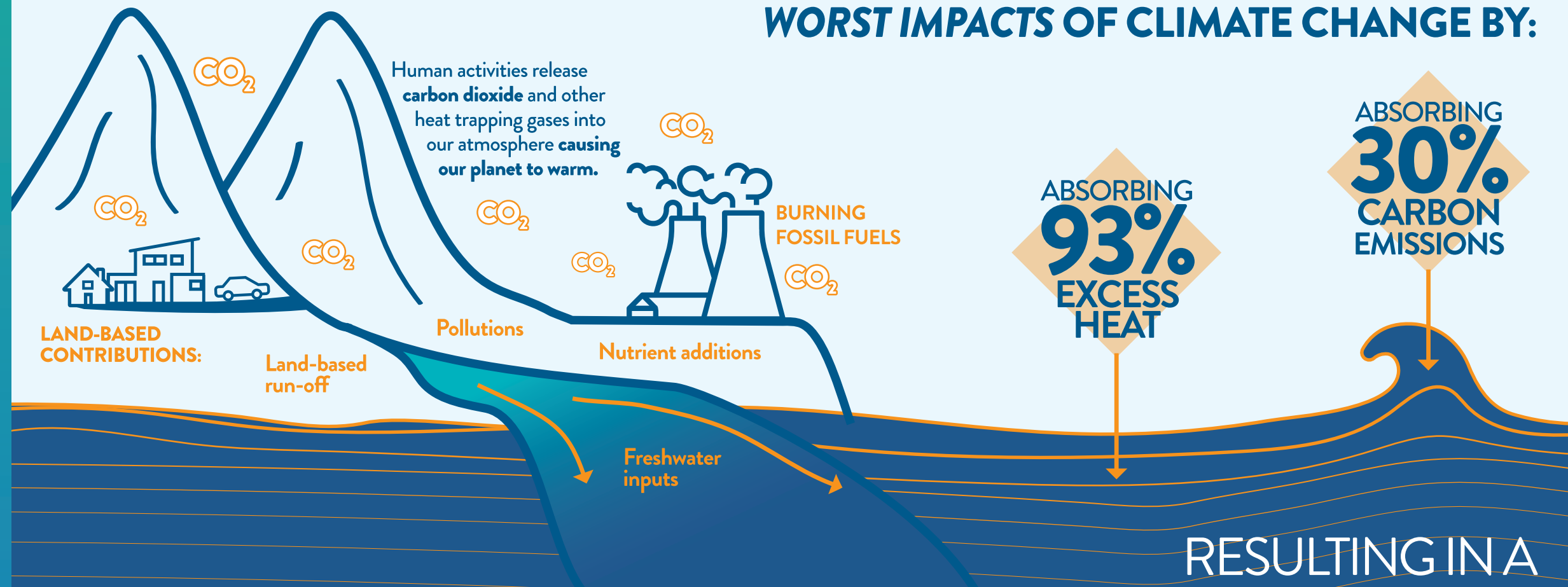
Together, these impacts are causing harm by displacing people, damaging coastal communities and property, decreasing food security and impacting jobs.



INTERNATIONAL ALLIANCE TO COMBAT OCEAN ACIDIFICATION

Learn more at: www.OAAlliance.org

THE OCEAN HAS BUFFERED US FROM THE WORST IMPACTS OF CLIMATE CHANGE BY:



MORE ACIDIFIED + WARMER + LESS OXYGENATED

OCEAN

THESE CHANGING OCEAN CONDITIONS HAVE COMBINED IMPACTS

MARINE HEAT WAVES

HARMFUL ALGAL BLOOMS

CORAL BLEACHING

INCREASED STRATIFICATION

WE ARE SEEING HARMFUL IMPACTS

Weakening and reduced growth of SHELL FORMING SPECIES

Impacts to BEHAVIOUR AND SURVIVAL

Changes to natural FOOD WEBS

Weakening and slower growth of CORAL REEF

OA IS THREATENING ECOSYSTEM SERVICES THAT HUMANS DEPEND ON

Fisheries & aquaculture

Food Security

Economies & Livelihoods

Cultural Practices & Traditions