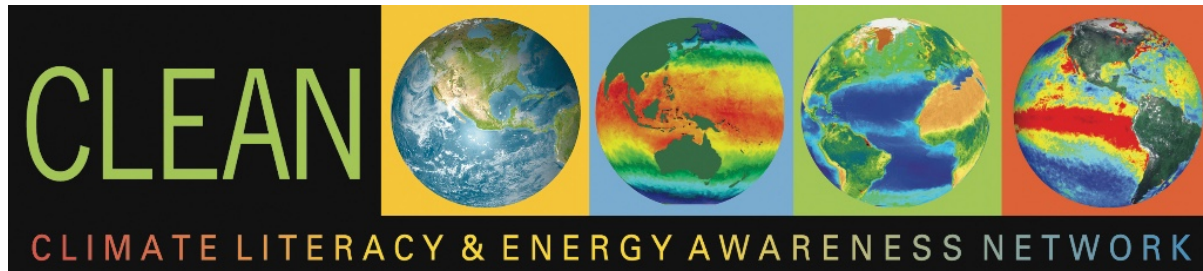
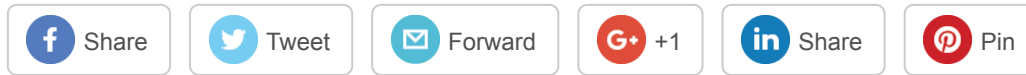


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[Changing Planet Video](#) | [Sea Level Map Interactive](#) | [Thermal Expansion Activity](#) | [Sea Level Rise In the News](#)

CLEAN STEM Flash

A Timely Climate and Energy E-Learning Series to Use and Share

Topic: Sea Level Rise

Did last week's bomb cyclone in the northeast have something to do with sea level rise?

CLEAN Resource Feature

Video: [Changing Planet: Rising Sea Level](#)

This video discusses some of the global impacts of climate change in the form of accelerating sea level rise.

Video length: 6:21 min.

Find more [underwater](#) resources in the CLEAN Collection.

This video from NBC Learn shows students how the most dramatic changes in sea level happen. It also offers an emphasis on how sediment core data and satellite data has been



CLEAN Resource Feature

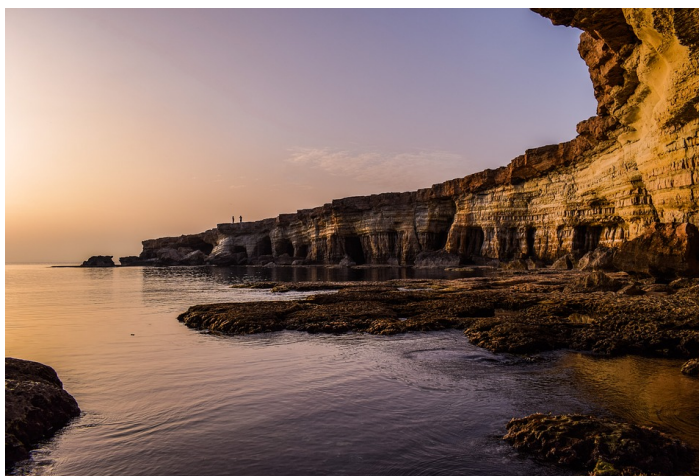
Interactive: [NOAA Sea Level Trends](#)

This interactive visualization from NOAA shows international trends in sea level change, focusing on US coastal regions.

Climate Literacy Principle 7: Climate change has consequences for the Earth system and human lives.

Learn more about teaching [Climate Literacy Principle 7](#) here!

Thirty years of observations have been factored into this map of global changes in Mean Sea Level (MSL). This tool shows how climate change is relative, with some locations showing drops in sea level even though the overall trend is rising.



CLEAN Resource Feature

Activity: [Thermal Expansion and Sea Level Rise](#)

This class activity demonstrates how thermal expansion of water affects sea level using a simple experiment.

Activity length: takes about one class period.



This class activity is great at demonstrating a simple scientific concept quickly and effectively. Take a look at the "Teaching Tips" beforehand for tips to avoid misconceptions with the science of sea level rise.

Climate & Energy in the News


Sea level isn't just rising. According to a [new study](#) by CIRES Fellow Steve Nerem, sea level rise is also accelerating by about 0.08 mm per year, every year.

Take a look at Nerem's explanation of his findings in addition to what role satellite data plays in climate predictions.



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