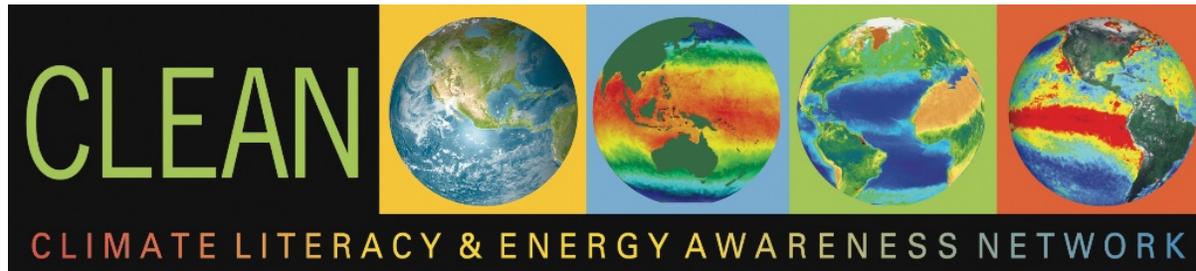


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## **CLEAN STEM Flash**

Climate—Energy—Education

### **Topic: The Case of the Lost Lobsters**

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

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CLEAN supports teaching and learning about climate and energy with 600+ free peer-reviewed, scientifically accurate, and classroom-ready resources.

[Browse](#) the CLEAN Collection for NGSS-aligned resources.

### **Watch the [Ocean Tipping Point?](#) video to learn how and why oceans are warming.**

This video highlights research conducted at Woods Hole Oceanographic Institution on how heat absorbed by the ocean and changes in ocean chemistry due to human activities could lead to a tipping point for marine life and ecosystems.

*Audience: Middle and high school classes*

*Video length: 13:40 min.*

Find more resources on [tipping points](#) in the CLEAN Collection.

This video from NOW on PBS features scientists who explain how the oceans are affected by climate change and demonstrate tipping points with an ice bath experiment that models

ICE.

Explore seasonal changes in Atlantic Ocean temperatures with the [Sea Surface Temperature Trends of the Gulf Stream](#) activity.

Students apply authentic satellite data to explore the seasonal changes in sea surface temperatures of the Gulf Stream.

*Audience: High school and middle school students (with support)*

*Lesson time: one to two 45-minute lesson periods*

See more resources related to [ocean warming](#) in the CLEAN Collection.

This lesson from My NASA Data accesses NASA's Live Active Server (LAS) to generate data of sea surface temperatures in the Gulf Stream, which students then graph and analyze.

### Climate & Energy in the News

Read the [Climate & Lobsters](#) feature about climate resiliency from NOAA's Climate.gov website.

Watch the [video](#) to find out how climate change is impacting ecosystems in New England and affecting lobsters and the people that rely on them for their livelihood.

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