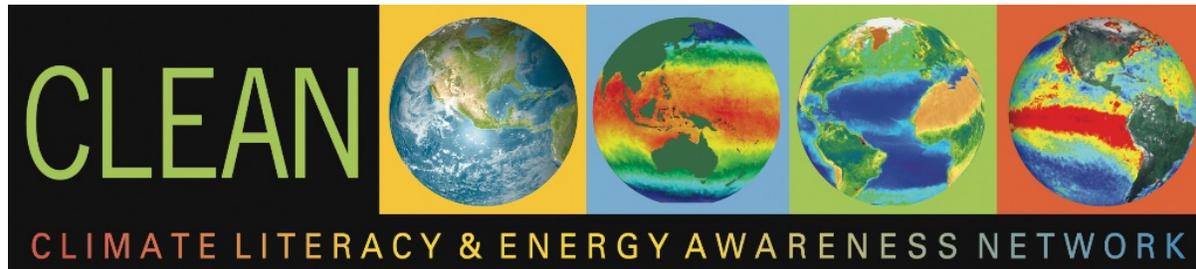
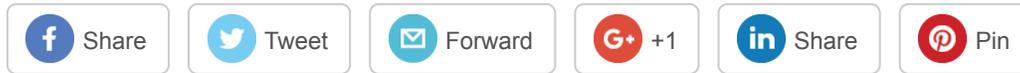


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[Earth Day 1970-2017](#) | [Images of Change](#) | [Weather & Climate Activities during COVID-19](#)
| [Virtual Earth Day Activities](#)

CLEAN STEM Flash

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

April 20th, 2020

Topic: Earth Day and Climate Change

This year is the 50th anniversary of Earth Day. What started as a national teach-in for environmental protection is now a worldwide celebration focused on climate action. In the past, Earth Day has served as a day to promote advocacy, education, volunteering, citizen science, and more. This year, as COVID-19 continues to spread around the globe, celebrations are turning virtual. Here, we have gathered global change resources as well as highlighted virtual resources to inspire Earth Day in everybody - near or far.

CLEAN Resource Feature

Video: [Earth Day 1970-2017: What's Changed](#)

This video summarizes some of the environmental challenges faced and progress made in the period between Earth Day 1970 and Earth Day 2017. The video provides a good base for discussion around the many environmental topics addressed. If framed carefully, the video can help motivate students to engage with environmental issues.

Video length: 3:57 minutes

Audience: Middle School, High School, General Public

Browse CLEAN for more videos on [Earth Day](#).

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discussed, including population increase, carbon dioxide emission growth leading to temperature increase, sea level rise, water usage increase, animal population decreases, as well as signing The Clean Air Act in 1970, and other positive advances.

CLEAN Resource Feature

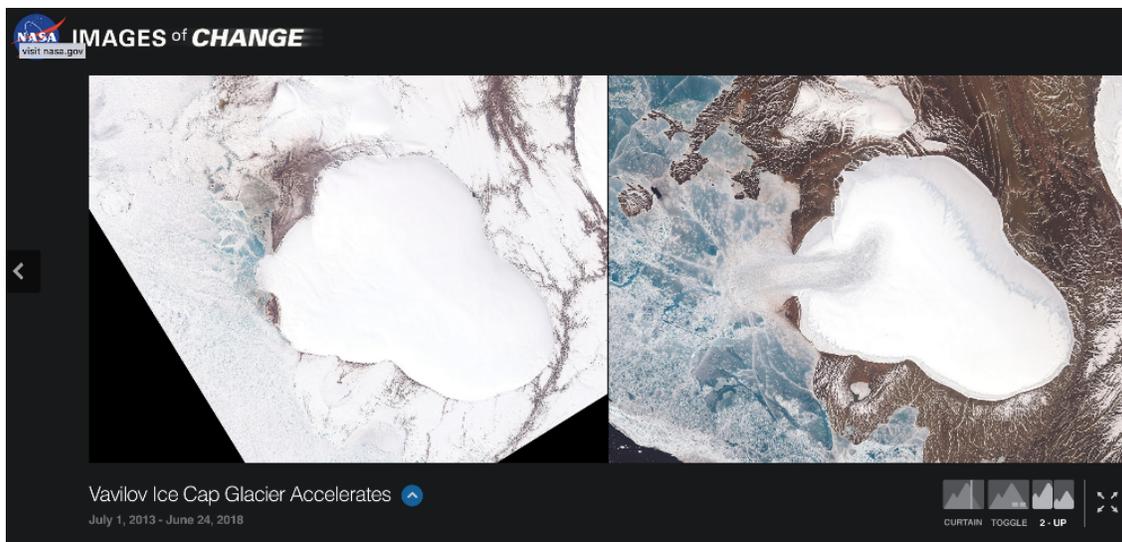
Interactive Visualization: [Images of Change](#)

This collection of photos from the NASA Climate website features images of global change, such as floods, wildfires, and retreating glaciers. Viewers are able to slide the photo in order to see how it has changed over time. Changes are sometimes directly or indirectly related to climate change, however not all of the changes are from human-caused climate change. This is a great resource for students at home right now.

Audience: Elementary, Middle School, High School, Informal

Take a look at some more CLEAN resources focused on [Global Change](#).

NASA has hundreds of images from changes occurring all over Earth. Students can look at different categories of images, or explore on their own. From changes in ice to changes in river deltas and cities, there are images of everything. Depending on the image, some changes have occurred over decades, and others over-night. There are several different viewing options in order to compare the two images.



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[In the News: 6 Resources To Teach Kids About Weather And Climate During The Coronavirus Shutdown](#)

The original Earth Day was all about 'Teach-Ins.' Now that many folks are staying home we can bring this history back. This news article highlights six resources for teachers or parents to use at home to teach kids about climate and weather. There are links to the collection pages of research institutes and societies, from NASA to the American Meteorological Society - there is something for everyone.



[Virtual Earth Day Activities](#)

Join CIRES Education and Outreach for a free bi-weekly webinar "[Science-at-Home](#)" on Tuesdays and Thursdays. This Tuesday, April 21st 11am MST there will be an Earth Day themed talk on precipitation, with a Q&A after. Join Dr. Janice Bytheway to discover precipitation in all of its forms, as well as how we observe and predict it. Register [here](#) now!

In light of Earth Day and Climate Change, PBS is streaming a new documentary on Earth Day this year. On April 22nd 6pm MST tune in to PBS to watch "[Climate Change - The Facts](#)." Join Sir David Attenborough to discover what will happen if we surpass 1.5°C, what innovations and technology are doing to create potential solutions, and what individuals can do to prevent further damage.

Explore the CLEAN collection of climate & energy learning resources

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CLEAN supports teaching and learning about climate and energy with 700+ free peer-reviewed, scientifically accurate, and classroom-ready resources.

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