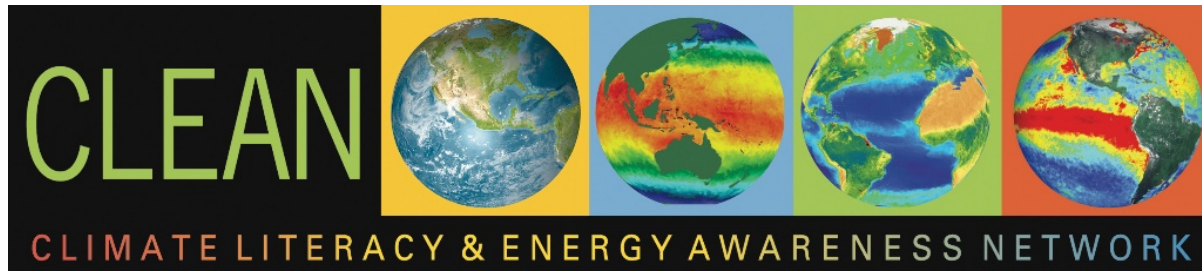
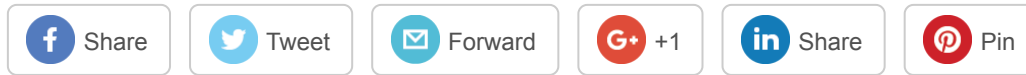


[Subscribe](#)[Past Issues](#)[Translate ▾](#)[View this email in your browser](#)

[Agricultural Impacts Video](#) | [Food and Climate Change](#) | [IPCC Agriculture Report](#)

CLEAN STEM Flash

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

August 21, 2019

Topic: Agriculture and Climate Change

In the August 2019 IPCC special report, scientists researched the impacts agriculture, deforestation, and other land use has had on current climate change trends. These three major components generate a third of greenhouse gases and they're projected to increase in the future.

CLEAN Resource Feature

Video: [Science for a Hungry World: Agriculture and Climate Change](#)

Climate and agriculture go hand in hand. This video discusses the impacts climate has on agriculture in different regions, as well as the direct relation climate change has to agriculture.

Video length: 5 minutes

Audience: Middle School, High School

Browse CLEAN for more videos related to [Agriculture](#).

This episode of "Science for a Hungry World," by NASA, is focused on the impacts climate change will have on agriculture. Agriculture is a

[Subscribe](#)[Past Issues](#)[Translate ▼](#)

But the increasing warming temperatures are detrimental to yield productions and seasonal plant growth. The need for accurate and accessible data is vital in tracking the many changes and challenges agriculture will face.

CLEAN Resource Feature

Activity: [Food and Climate Change Curriculum](#)

This comprehensive curriculum on food systems and climate change uses a plethora of resources to aid students in the understanding of agriculture and its relationship to climate change.

Audience: Middle School, High School

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

Students use their school garden to learn about climate change with this hands-on curriculum. Through the means of experiment and observation, students observe the impacts agriculture has on climate change in a localized system. Based on their research, students are then able to design an agricultural-based project that reduces the effects of climate change.



In the News: [To Slow Global Warming, U.N. Warns Agriculture Must Change](#)

The new IPCC report that came out on August 8th, 2019, focused on the impacts that agriculture, land use, and deforestation have on climate change. The report

[Subscribe](#)[Past Issues](#)[Translate](#) ▼

Explore the **CLEAN** collection of climate & energy learning resources

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

[Browse](#) the CLEAN collection by NGSS topics.

Check out the [CLEAN STEM Flash Library](#) of past issues.

Received this as a forward? [Sign up](#) to get future issues sent to your inbox.



[Subscribe](#)[Past Issues](#)[Translate](#) ▼

ENERGY



CIRES

Science Education
Resource CenterCarleton
College

Copyright © 2019 CIRES Education Outreach. All rights reserved.

clean@colorado.edu

CLEAN is funded by grants from the [National Oceanic and Atmospheric Administration](#) (NA12OAR4310143, NA12OAR4310142), the [National Science Foundation](#) (DUE-0938051, DUE-0938020, DUE-0937941) and the [Department of Energy](#).

Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

[unsubscribe from this list](#) [update subscription preferences](#)

