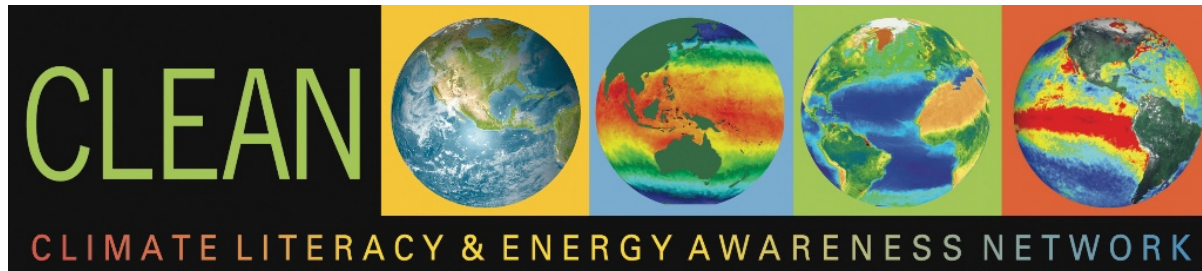
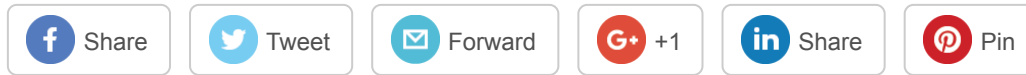


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[Amazon Rainforest Video](#) | [Land Cover Change Visualization](#) | [Deforestation in the News](#)

## ***CLEAN STEM Flash***

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

### **Topic: A World Without Trees**

Trees are important in maintaining the Earth's natural climate cycles through transpiration. What happens when they start to disappear?

#### **CLEAN Resource Feature**

**Video:** [Regulating Greenhouse Gases](#)

This video highlights the work of climate scientists in the Amazon who are exploring the effects of deforestation.

*Video length: 5:25 min.*

*Audience: Middle School, High School*

Take a look at the CLEAN collection of resources pertaining to [forests](#).

This video from PBS explores how deforestation in the Amazon rainforest is affecting levels of greenhouse gases in the atmosphere. The video is accompanied by a lesson

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ARTICLES, AND WORKBOOK FOR students.

### **CLEAN Resource Feature**

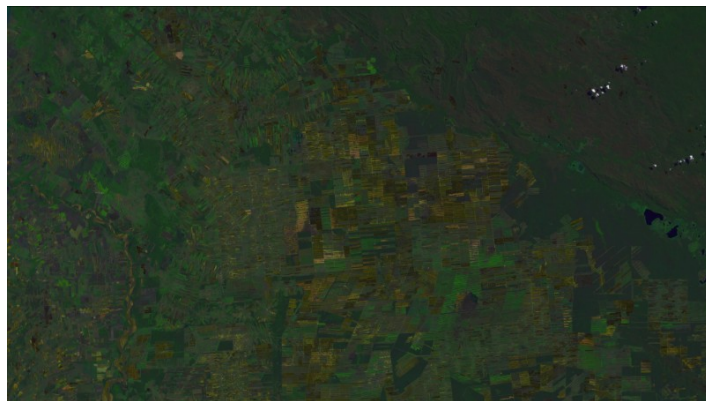
#### **Visualization: [Deforestation in the Amazon](#)**

This NASA animated visualization gives students a look at how land cover has changed between 1975 and 2009 using satellite imagery.

*Audience: Middle School, High School*

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This animation zooms into Rondonia, Brazil. It starts with a Landsat image taken in 1975 and dissolves into a second image of the same region taken in 2009. The animation can be part of a unit on ecosystems and climate change.



### **Climate & Energy in the News**

What role do trees play in the water cycle? [This article](#) from Yale Environment 360 explores the toll deforestation is taking on rainforest ecosystems and how that contributes to Earth's climate as a whole.

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