

### 3. EDUCATIONAL RESOURCES



From the Presbyterian Church (USA) Website:

<https://www.presbyterianmission.org/eco-journey/climate-change-resources/>

Resources to learn more and educate others:

[15 Steps](#) *guide to talking about climate*

[Let's Talk: Faith and Climate](#) *guide*

[Climate and Food](#) *poster*

[Climate and Water](#) *poster*

[Climate and Disasters](#) *poster*

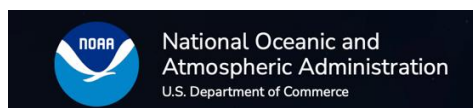
[Alternative Transportation Sunday resource](#)

[Guide to Greening Presbyterian Churches](#)

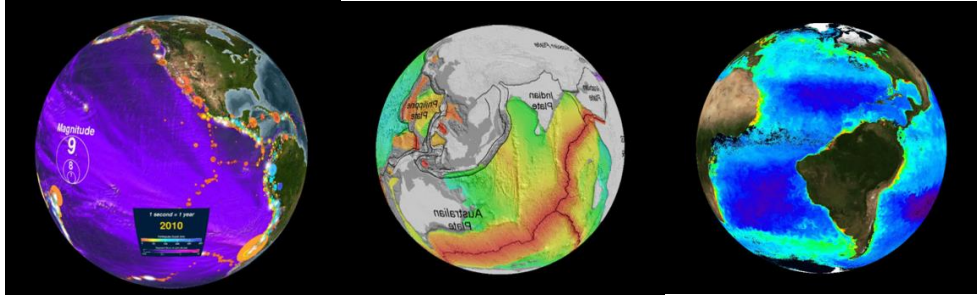
[Toxic Racism: The Struggle for Environmental Justice](#) *slideshow*

[Tread Lightly for Lent Calendar](#) *(Low-carbon activities) from Presbyterian Hunger Program*

#### NOAA: Science on a Sphere



This is a resource from the National Oceanic and Atmospheric Administration (NOAA) **if** of the U.S. Government. It is the group that tracks weather patterns around the world, especially the increasing number of severe weather events we face. Science on a Sphere is a data visualization education resource. You can see images of SOS at this Website:



<https://sos.noaa.gov>

There is a 3-dimensional version located at the Santa Fe Community College. There is also a 2-dimensional version located at UNM-Taos.

The spheres show datasets of Earth's life organized into six categories: air, land, water, people, snow and ice, and space. You can see the datasets on your computer, so you don't have to go to an SOS center. For example:

You can see a "real-time" look at drought-risk around the world at this link:

<https://sos.noaa.gov/catalog/datasets/drought-risk-real-time/>

There is a miniature version of the globe you can "play" and a description you can read.

There are short films. One, called "Eating Water," discusses how much water we consume to grow our food, and it explains that some foods use more and others less water.

<https://sos.noaa.gov/catalog/datasets/eating-water-agriculture-and-climate-change/>

You can watch the short video on your computer at home—or at church.

So with a computer at your church, you can show and discuss several datasets on a particular theme. (The visuals are much better at an SOS center, but good enough from the Website to start a conversation.)

## Environmental Film Festivals



The world's largest Environmental Film Festival is held in our nation's capital. This year, from March 3-16, 2023, the 31st gathering will take place. However, you don't have to travel to Washington D.C. to watch the films.

Go to: [dceff.org](https://dceff.org)

From there, scroll across the top to "Watch Now" and make a selection.

The first choice in the drop-down menu is "Browse 300+ films." Select and watch both the hard news of our environmental life and the good news of people bringing hope for the future! Once there, you can select a specific topic to focus on. There are 26 topics to choose from. You can watch them at home, or arrange to show them at your church.

## Yale Climate Connections



One of the better Climate Change EarthCare Resources comes from Yale University. The Yale Climate Connection is a weekly e-mail with current and interesting articles about recent climate change developments, both big ones and small ones.

Go to this link: <https://yaleclimateconnections.org>

If you scroll right to "About," the first item in the drop-down box is: "About YCC". Read through the article and a box will pop up asking if you want to receive the weekly newsletter. There are both articles to read and podcasts to hear.

The first drop down box contains the "Articles," with the most recent first. They are organized into these general themes: Analysis, Ask Sara, Climate Explained, Eye on the Storm, This is not Cool, On the Road, Commentary, Interviews, Reviews, and Spanish Language Translations.

Here are the titles from one week's newsletter last fall:

- September 2022: Earth's 5th warmest September on Record
- When Wildfires Rage, some Unauthorized Immigrants can't evacuate
- Hurricane Evacuation Responses: The Rules...and the go or no-go responses
- Tropical Storm Karl headed for Saturday landfall in Mexico
- Extreme heat waves are stunting kids' growth in West Africa, study finds
- Building a better hurricane "cone" of uncertainty
- Delaware program repairs homes so they can be weatherized.

The Yale Climate Connection is a great source for climate news, and hopeful responses.

## Global Warming Video Series



This introductory series of short videos (3-10 minutes each) features Climate Scientist Dr. Katherine Hayhoe of Texas Tech University. The videos, produced by the Public Broadcasting System, are stored on YouTube. Free. These videos offer a basic introduction to Climate Change for children, youth and adults. They were produced between 2016-2020.

Search for: **You Tube Global Weirding** “What’s the Big Deal about a Few Degrees?”  
Here is the link: [https://www.youtube.com/watch?v=6cRCbgTA\\_78](https://www.youtube.com/watch?v=6cRCbgTA_78)

Following is a list of episodes. (It’s not chronological.)

- Welcome to Global Warming
- What is Global Warming?
- What happens in the Arctic doesn’t really matter, right?
- The Bible doesn’t talk about climate change, right?
- Is a warmer world a better world?
- This is all part of a natural cycle, right?
- I’m just one person, What can I do?
- Climate Change: that’s just a money grab by scientists...right?
- Is Carbon Dioxide Really a Pollutant?
- If I just explain the facts, they’ll get it, right?
- The Climate Crisis and Global Weirding Shorts
- So why is two degrees the magic number?

- Climate Models and Global Weirding
- Religion has nothing to say about climate change...right?
- I'm Not a Tree Hugger – Global Weirding
- The easiest way to fix climate change is population control...
- Climate vs Weather – Global Weirding
- What about the Ozone Hole – Global Weirding
- Pacific Northwest, Alaska and the Islands
- Fossil Fuels – Global Weirding
- What's the Big Deal about a Few Degrees Global Weirding?
- Just how long have we known about climate change anyway?
- The Pandemic's Effects on Climate Change
- Does Messaging with Fear really work?
- Climate Change and Coronavirus
- It's too late to do anything about climate change, right?
- Oh Canada Global Weirding
- How do we know this climate change thing is even real?
- Southern Great Plains and Southwest Global Weirding
- Plants and animals can adapt to climate change, right?
- I Live in the Midwest & Northern Great Plains Global Weirding
- I Live in the Eastern U.S. – Does Climate Change Matter to Me?

One longer presentation (43 minutes) by Katharine Hayhoe is titled "Climate Change: What's New?" (May 15, 2020)

## **NASA: National Aeronautics and Space Administration**

[www.nasa.gov](http://www.nasa.gov)

Our nation's space administration provides a wealth of knowledge (historic and current) about both outer space and our space-traveling home.

Go to the NASA Website and scroll across the menu bar at the top. Select the first choice: "TOPICS." Scroll down to "EARTH." From there you see these categories:

- Air
- Climate
- Hazards
- Water, Oceans and Ice
- Land
- Benefits on Earth
- Earth Expeditions
- Addressing Global Changes
- Hurricanes

Much of what you will discover here speaks to the current conditions of our changing climate.

On the other hand, if you want to gain perspective about the vastness of our solar system, and the universe, go to “GALLERIES” (from the home screen) and stare at the incredible images of the stars all around us.

How many stars are in our solar system? *1*

How many solar systems are in our Milky Way Galaxy? *100 billion*

How many Galaxies are in the Universe? *100 billion (discovered to date)*

How many estimated total stars are there in the Universe? *Between 30 and 70 “billion-trillion”*

How many old stars are dying on any one day? *About 275 million each day*

How many new stars are being born on any one day? *About 275 million each day*

