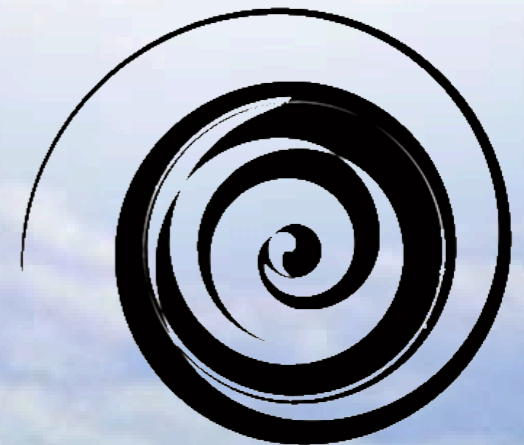
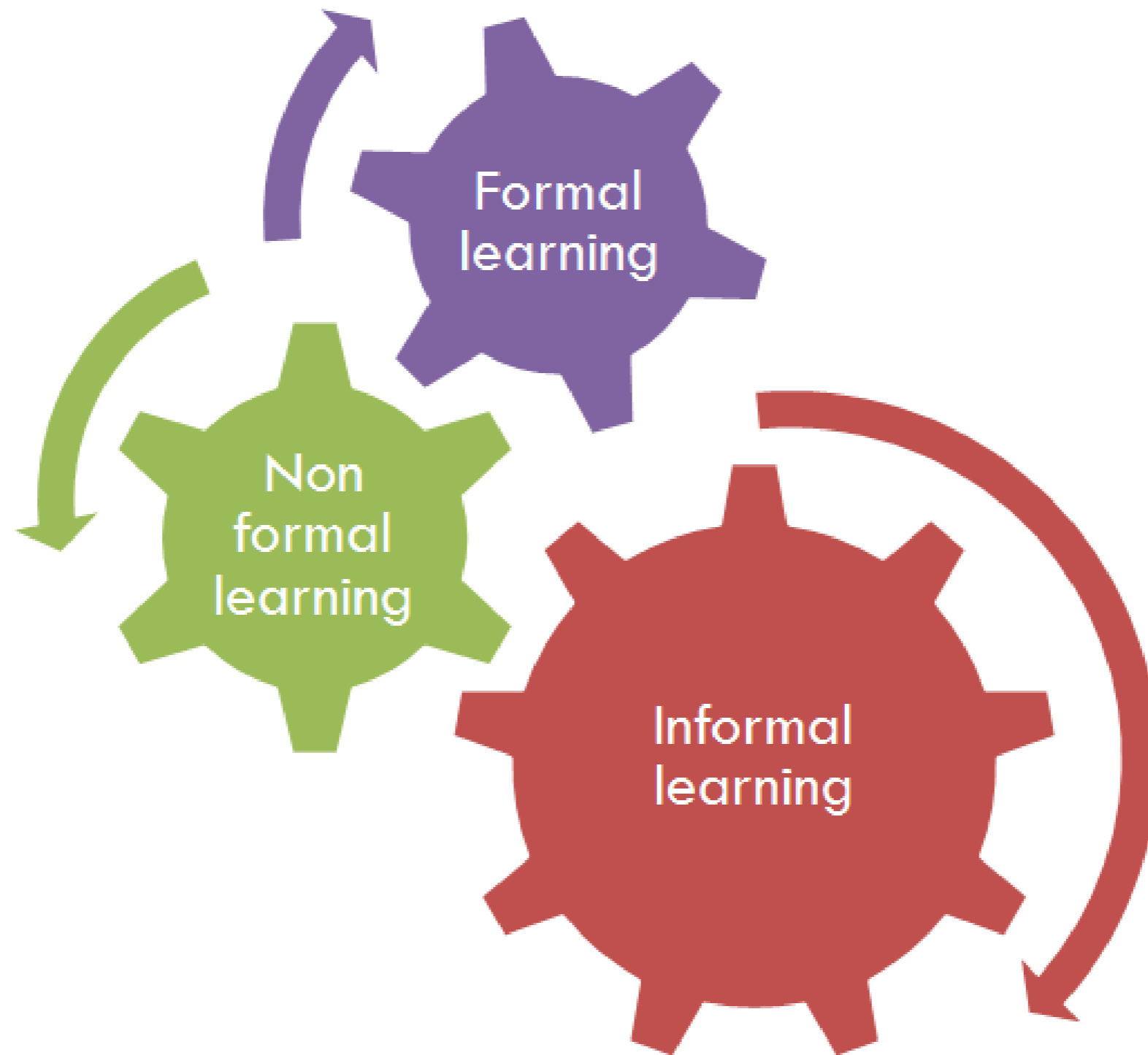


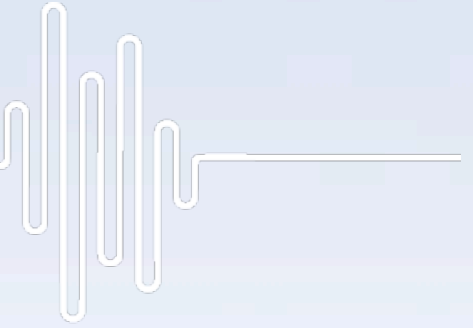
Education

Informal, non-formal, formal...
and everything in-between



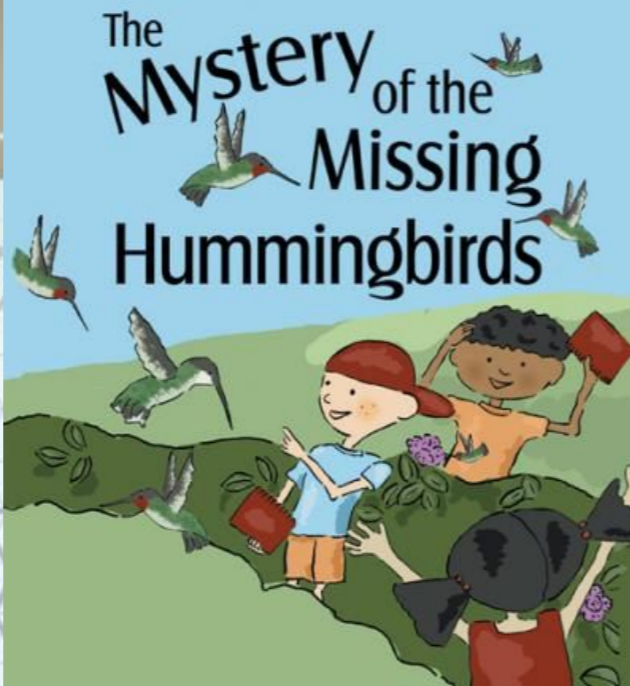


Fields of Education (definitions by UNESCO) (UNESCO Institute for Lifelong Learning 2012:8)



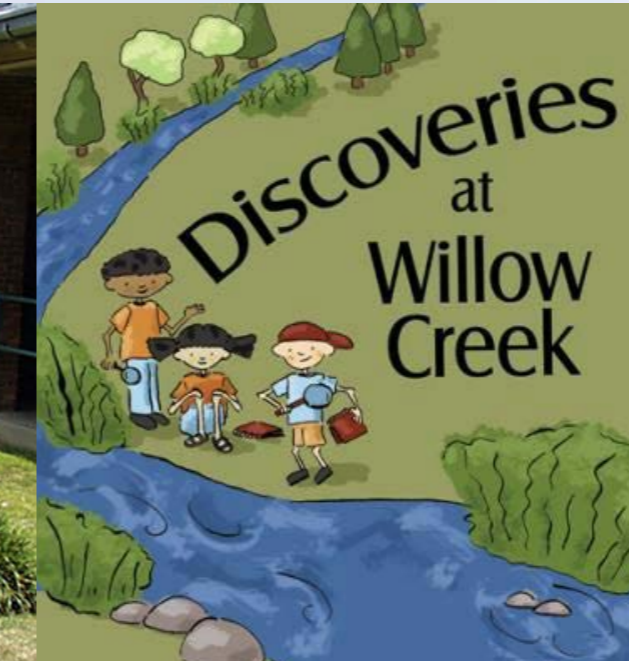
UCAR/NCAR programs

- Formal
- Informal
- Non-formal

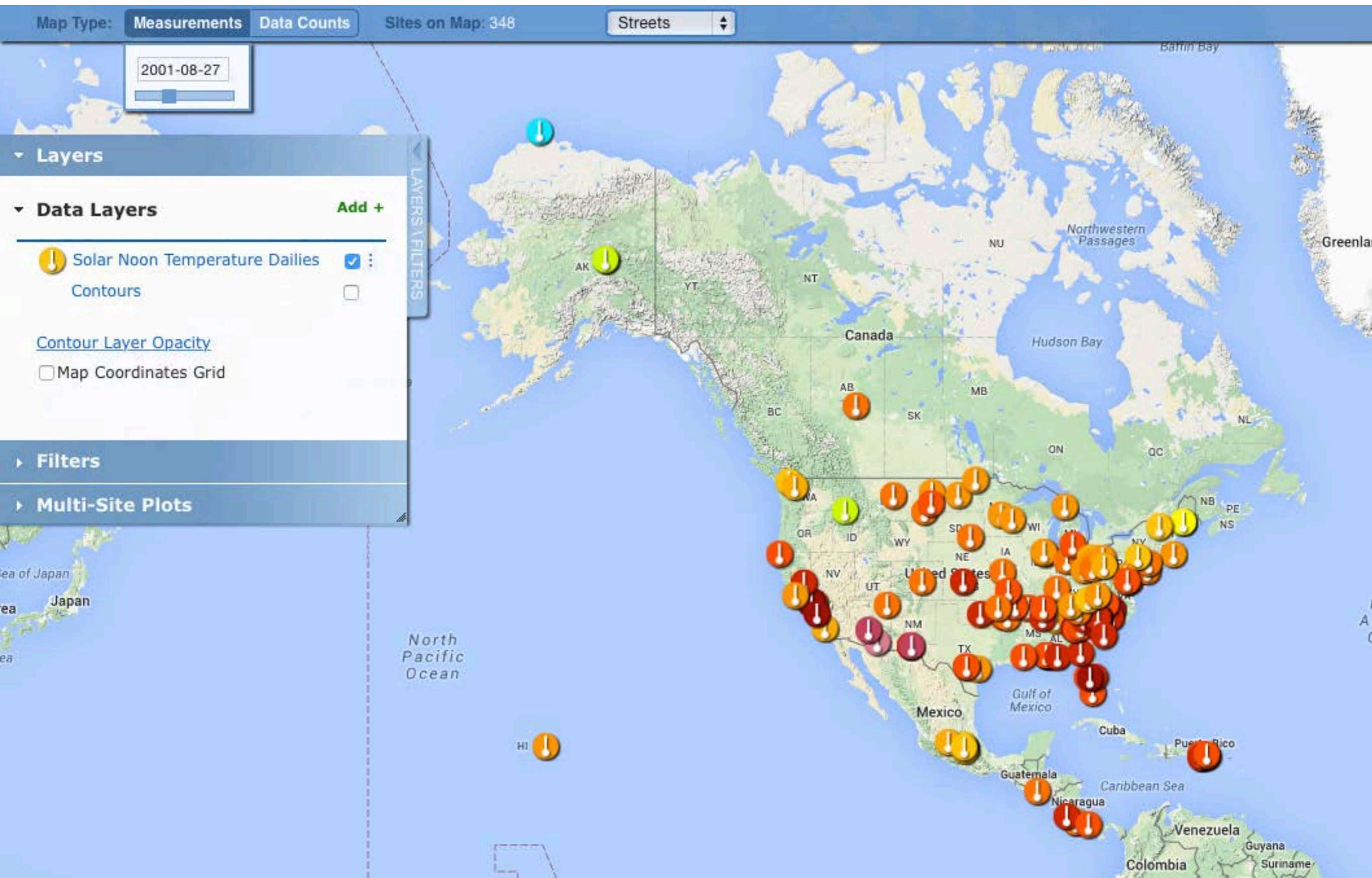




Formal and informal K-12
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Climatevoices.or



Climate Voices
SCIENCE SPEAKERS NETWORK

ABOUT RESOURCES

REAL CONVERSATIONS ABOUT CLIMATE SCIENCE.

FIND A SPEAKER

BECOME A SPEAKER

PHOTO CREDIT: Chris Kannen, National Science Foundation

FIND A SPEAKER

city, state, zip, language or expertise

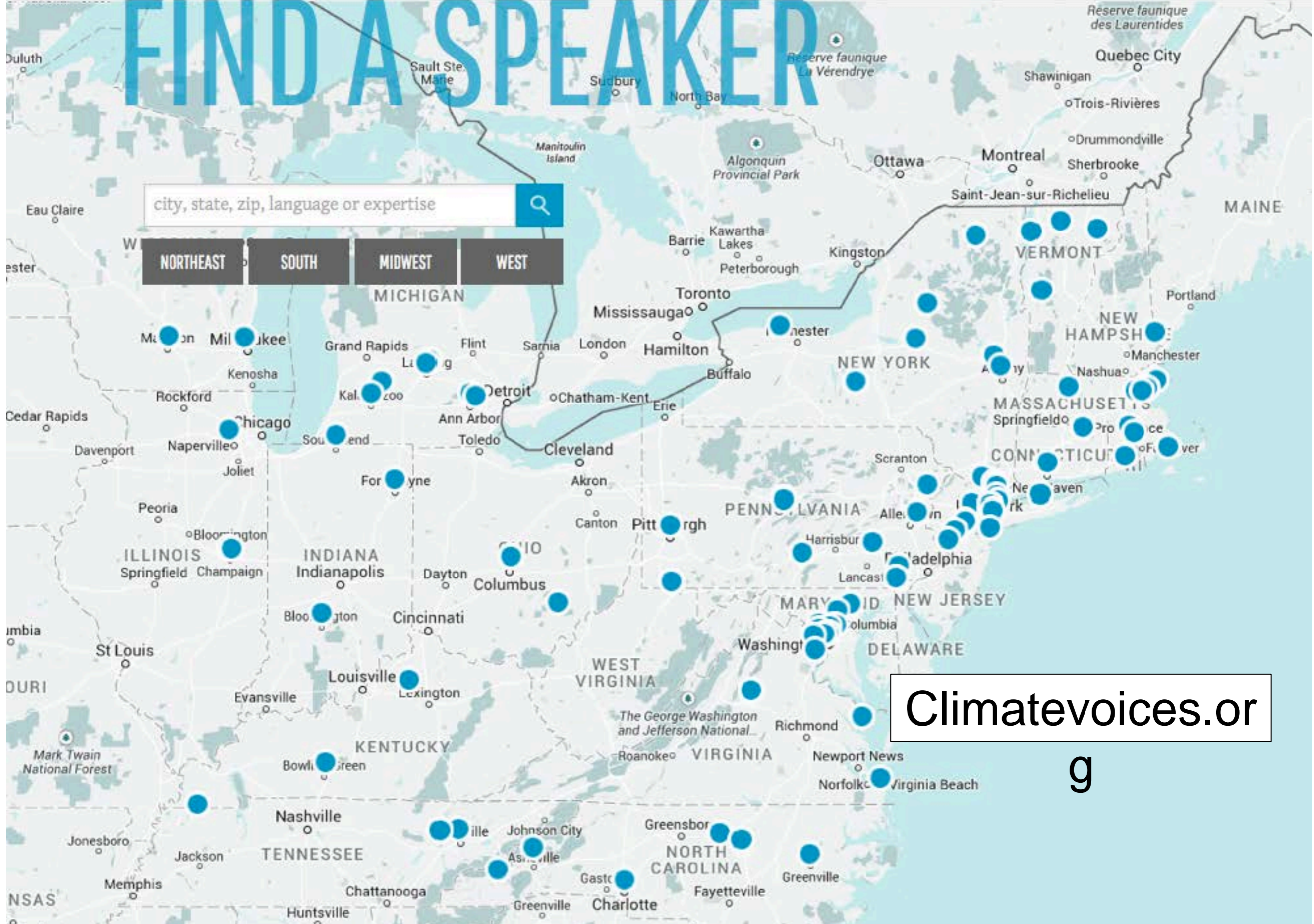


NORTHEAST

SOUTH

MIDWEST

WEST



Climatevoices.org

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- NAVIGATION**
- [Introduction to the Certification Program Webinar](#)
 - [Climate Scientists Panel Discussion Webinar](#)

TAKE THE GREENFAITH PLEDGE!

Join thousands of others throughout the world in taking the GreenFaith Pledge, "I pledge to make my life a blessing for the Earth."

You Are Here: [Home](#) » [Success Stories](#) » Climate Scientists Panel Discussion Webinar

Climate Scientists Panel Discussion Webinar

In April 2015, in partnership with Climate Voices, over 70 congregations throughout the country will be inviting a scientist to services, as part of GreenFaith Day. From professors, to Fulbright Scholars, to meteorologists, the scientists speaking at these congregations are the best in their field. They will start the conversation on climate change, and inspire action.

Now all GreenFaith members can hear from the scientists. [Join us for a webinar](#) on April 23rd at 3 pm ET to hear from three leading climate change scientists, as they update you on the science, and what you and your congregation can do.

Can't make it live? No problem! We encourage you to [register for the webinar](#) and we'll send you the recording, which you can then show to your members in an educational session.



UCAR Center for Science Education

Students

From brief encounters with atmospheric science to in-depth research opportunities, the UCAR Center for Science Education works with students of all ages to broaden science understanding.



TEACHERS



Resources, programs, workshops, and other events for educators

STUDENTS



Games, activities, research programs, and background info for students of all ages

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Tweet

Share

10 Events

VISIT NCAR



Visitor Center with exhibits, field trips, public tours, art galleries, and weather trail

LEARNING ZONE



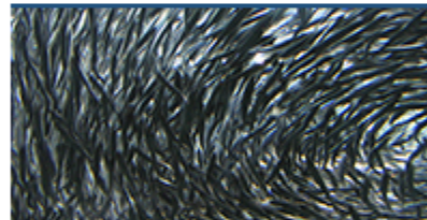
Activities, Teaching Boxes, videos, games, and more for students and teachers

Climate



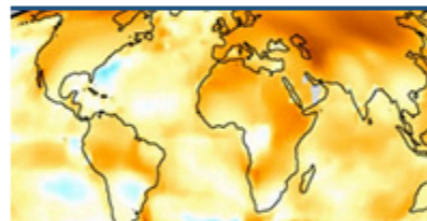
CLIMATE

The climate where you live is called regional climate. Global climate is a description of the climate of a planet as a whole, with all the regional differences averaged.



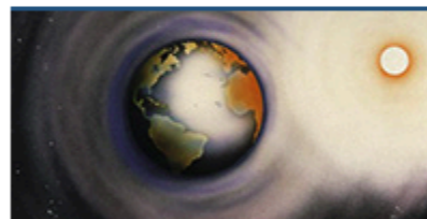
AN EL NIÑO FISH TALE

Peruvian fishing boats used to return to shore each day heavy with anchovies, but in 1972 the boats returned to shore with empty nets.



EVIDENCE OF WARMING

As the amount of carbon dioxide in the atmosphere has increased, global average temperature has risen.



WHY DOES CLIMATE CHANGE?

Factors that have the power to change global climate can be natural, like volcanic eruptions and changes in solar energy, or caused by humans, like the addition of greenhouse gases to the atmosphere.

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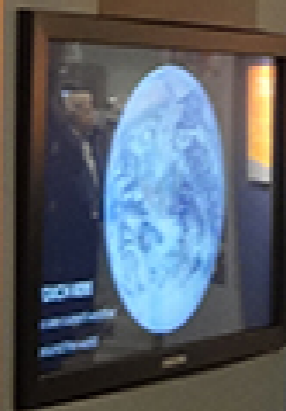
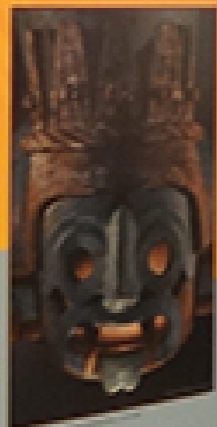
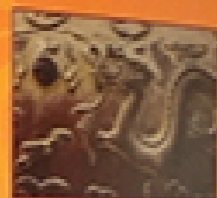
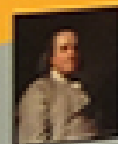


Observations

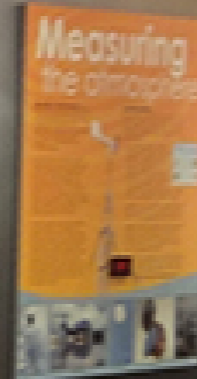
None of us watch the weather before when it's in the morning. Other times we see clouds and can't help but notice them, but they don't get our attention until we're awake.

The patterns of weather we see when we go into the streets, communities, and homes of cultures around the world often reflect the Sun, wind, and clouds as part of a connected system that includes humans. Important figures such as the Chinese Rain Dragon, the Hawaiian god Tiahoi, and Greek gods of sky and weather help explain and predict weather.

Scientists trained weather observers also make observations of weather, and specialized instruments collect data about current conditions. Observing weather helps us stay safe from severe storms, decide when to plant crops, and choose safe routes for ships in the ocean. It also helps us determine good times about the possibility of severe storms, drought, and extreme heat.



watching the **weather**

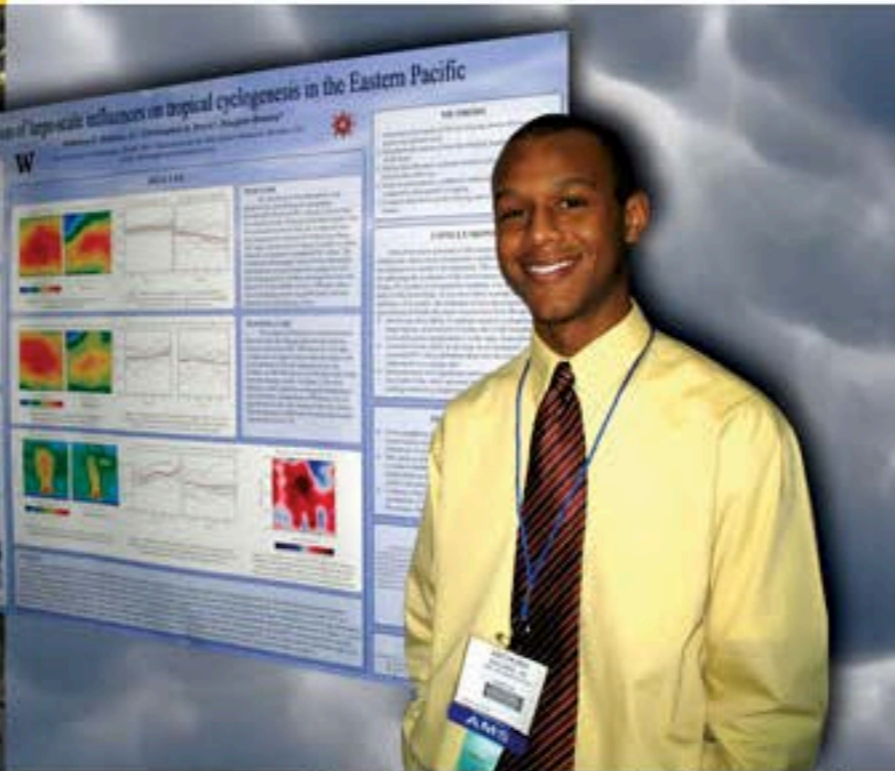




RESEARCH MENTORING COMMUNITY

SOARS is dedicated to broadening participation in the atmospheric and related sciences. It is an undergraduate to graduate program built around a summer research internship, mentoring by top scientists, and a supportive learning community.

“It's been back and forth... We come with our different ideas and we work together.”



Significant Opportunities in Atmospheric Research and Science



Education





How are you personally engaged in education?

Questions to consider:

1. What types of education (K-12, undergrad, grad) and/or community outreach efforts are already being conducted in your community or organization around the theme of _____ (relocation, water, phenology, health and livelihoods)?

2. What needs do you see for education (K-12, undergrad, grad) and/or community outreach do you see in your community or organization around the theme of _____ (relocation, water, phenology, health and livelihoods)?

3. What opportunities do you see in the Rising Voices Network to support education and/or community outreach efforts around the theme of _____ (relocation, water, phenology, health and livelihoods)?



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