

“Ask NICE”

We'll bring the content. You bring the questions.

Educator Professional Development from NASA Innovations in Climate Education (NICE)

Online sessions via Google+ Hangout
For details visit : nice.larc.nasa.gov or dln.nasa.gov



NICE

NASA Innovations in Climate Education

a Minority University Research and Education Program (MUREP)



Bonnie Murray

Educator Professional Development Manager

NASA Innovations in Climate Education (NICE)



Goal for the Ask NICE series:

Remove geographic barriers, connect diverse audiences, expand the reach of the 75 NICE Awardees.



NICE-T

4 New Awardees



**NASA Innovations in Climate Education welcomes
the NICE-Tribal Project Awardees!**

**College of Menominee Nation
Fond du Lac Tribal & Community College
Turtle Mountain Community College
Salish Kootenai College**



Specific goals for each session:

- Strengthen teachers climate literacy, and knowledge of current Earth Systems Science topics
- Provide teachers with classroom resources AND the opportunity to ask questions about their use
- Promote opportunities for teachers and students to be involved in authentic science experiences

nice.larc.nasa.gov



National Aeronautics and Space Administration

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TrACE



The Tri-Agency Climate Education (TrACE) Catalog provides search and browse access to a catalog of educational products and resources. TrACE focuses on climate education resources that have been developed by initiatives funded through NASA, NOAA, and NSF, comprising a tri-agency collaboration around climate education. [Click here to access TrACE.](#)

NASA Innovations in Climate Education (NICE) is a competitive project to promote climate and Earth system science literacy and seeks to increase the access of underrepresented minority groups to science careers and educational opportunities.

Since 2008, NICE has funded 71 education projects across the country that leverage NASA's unique contributions in climate science,

Highlights



NASA Innovations in Climate Education welcomes the NICE-Tribal Project Awardees!

College of Menominee Nation
Fond du Lac Tribal & Community College
Turtle Mountain Community College
Salish Kootenai College



[Click to learn more about our NASA Innovations in Climate Education 2014 Project Awardees!](#)

"Ask NICE"

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[Click here for more information, or to join a session in progress.](#)

Online sessions covering Earth System Science topics. Join us every third Thursday of the month!



User Login

[Click here to Login.](#)

Climate Education News

- NOAA Climate.gov wins Webby Awards
- VASC inSTEP applicants needed ASAP
- 2014-15 NASA LEARN Teacher Opportunity
- Excellent NASA CP4SMP Webinar Series to Attend
- VINES Workshop Opportunity
- NASA STEM (EONS) 2014 NASA Research Announcement
- "Ask NICE" Educator Professional Development
- New CLEAN gap and thin spot analysis live
- Energy 101: A Model Interdisciplinary Higher Education Course for Teaching the Fundamentals of Energy
- NESTA Releases Quarterly Journal on Climate Education

[More](#)



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"Ask NICE" Educator Professional Development



Click here for "Ask NICE"

Click here on the day of the event to connect to the Ask NICE session. (You can access this page about 10 minutes before the start)
This event is a Google Hangout and will be broadcast live on YouTube. Questions may be submitted during the Hangout using the comments section or via Twitter -use **#AskNICE**

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Climate Education News

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Upcoming Events

On the Road with

"Ask NICE"

We'll bring the content. You bring the questions.

Educator Professional Development

from

NASA Innovations in Climate Education (NICE)

Wednesday, August 6th

Danville Institute for Advanced Learning and Research

Thursday, August 7th

Clarksville Lake Country Distance Education Center

10:00-12:30 Session I: Using the outdoor environment as a textbook
1:15-2:30 Session II: Rockets 2 Recaps, NICE Go Green Edition
2:45-4:00 Session III: Digging into Geology with NASA Data

Register by email to bonnie.murray@nasa.gov

nice.larc.nasa.gov



Sponsored by Minority University Research and Education Program (MUREP)-NICE

2014 Summer Schedule: On the Road with "Ask NICE"

We will be taking this workshop to locations that connected with us for the online sessions that we conducted during the 2013-14 school year.

Wednesday, August 6th

Danville, VA Institute for Advanced Learning and Research

Thursday, August 7th

Clarksville, VA Lake Country Distance Education Center)

The sessions at both locations are open to the public, but registration is required. Register by sending your name, which location you wish to attend and your contact information email to bonnie.murray@nasa.gov.

*****Click here for the Agenda*****

Two ways to connect

- Watch the online session, Questions and comments can be submitted via the comment box or Twitter.
- Join the Hangout, Participate live in the session.

Watch and send in questions

- Event details and connection link are posted on the DLN website and the NICE website (nice.larc.nasa.gov). 
- Click on the link to watch the live stream of the event and send in questions via Twitter with **#asknice** or by typing questions into the comment box under the YouTube viewer.

Connect live

- This option is intended for groups of teachers, but can be used by individuals.
- A Google Hangout link is sent out to the group. This allows each site to connect into the Hangout and participate live with the presenter, and with the other sites that are connected.

Each site is seen in the recording that is created.

This is a great way to promote your location!



A “behind the scenes” look at an Ask NICE session

Topics covered in the 2013/2014 series

Cloud Effects On Earth's Radiation

Student Cloud Observers for S'COOL

S'COOL Teachers

CERES on NPP

Earth's Energy Budget – Part II: March 20, 2014, at 4 p.m.

Join us on Thursday, March 20th from 4:00-5:00 PM ET as we continue our study of Earth's Energy Budget. This month we will investigate clouds and their role in the system, and share resources from the S'COOL program (Student's Cloud Observations On-Line) that allow your students to practice cloud identification and submit their observations to NASA as citizen scientists. We'll also look more closely at the posters and interactives created using data from the CERES instrument that is onboard a variety of NASA satellites. To connect go to <https://nice.larc.nasa.gov> or <https://dln.nasa.gov>.

Hard copy resources (available to download/print prior to the "Ask NICE" session):

- ✦ Ground Observation Form
- ✦ S'COOL Cloud ID Chart
- ✦ Cloud Teller
- ✦ NASA Earth's Radiation Budget Poster

Earth's Energy Budget – Part I: February 20, 2014

Review and analyze Earth's energy budget with Dr. Brian Soden and Dr. Julie Lambert from the Florida Atlantic University/University of Miami Climate Science Investigation (CSI) project. Gain an understanding of how incoming energy from the sun, and outgoing energy from Earth, ultimately drives our climate. Then discover teacher resources including an interactive web tool, printable worksheets, related background information and additional NASA content that can be used to guide your students through instruction on these topics. Join us on February 20th from 4:00-5:00pm ET for this session.

Impacts of Climate Change/The GLOBE Program: Green-Up Jan. 16, 2013, at 4 p.m. EST

Shift in Plant Hardiness Zones

Black-throated Blue Warbler Breeding Bird Survey Trends

What changes have occurred in various climate regions as global temps have risen? How have these changes affected birds, bugs, trees and plants? Understand the answers to these and other climate related questions and learn how to use GLOBE Budburst protocols to explore these concepts with your students. Learn about the impacts of climate change and the Global Learning and Observations to Benefit the Environment, or GLOBE, program.

Recordings

- Recordings of each session are posted on YouTube
- Links to each recording are available on the NICE website: nice.larc.nasa.gov

"Ask NICE" Schedule - Click to view past 'Ask NICE' events

Nov. 21 4pm ET	Earth From Near and Far
Dec. 19 4pm ET	The Green Ninja - A Climate Action Super Hero
Jan. 16 4pm ET	Impacts of Climate Change/The GLOBE Program: Green-Up
Feb. 20	Earth's Energy Budget
Mar. 20	Earth's Energy Budget Continued, Student Cloud Observations On-Line: S'COOL
Apr. 17	Climate Change Summary: What We Know and How We Know It

Metrics

- Average of 4-5 sites were connected live for each session.
- Average live attendance was 15 educators.
- Over 1,100 participants viewed the YouTube recordings
- The recordings continue to be used as an excellent resource for continued Professional Development.

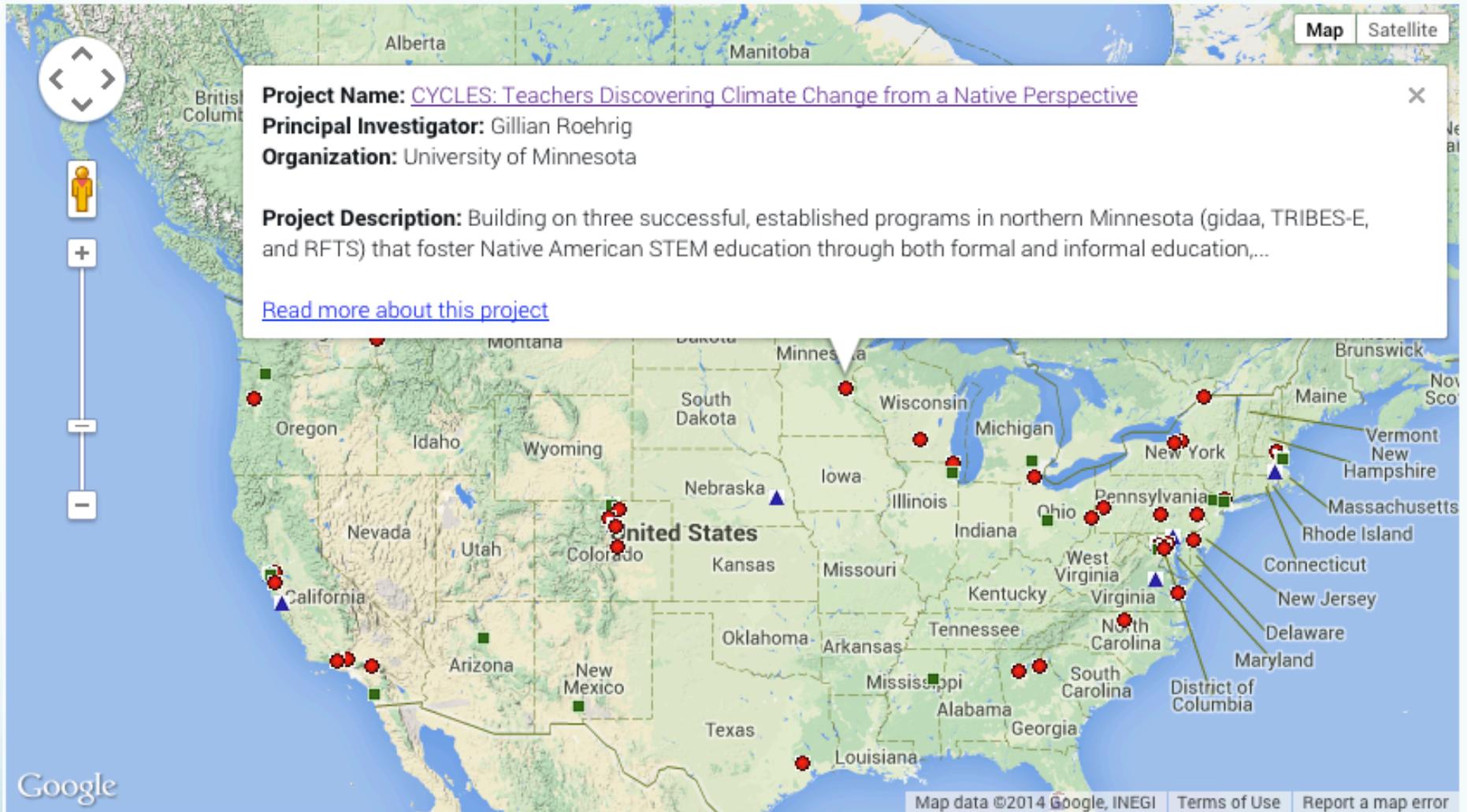
Upcoming sessions for the 2014/2015 Academic Year

- Oct session will be broadcast from GSA. Tentative date/time is Tuesday, October 21st at 4:00pm EDT. The Cycles project will be highlighted.

NASA

NOAA

NSF



TrACE Catalog Search Results:

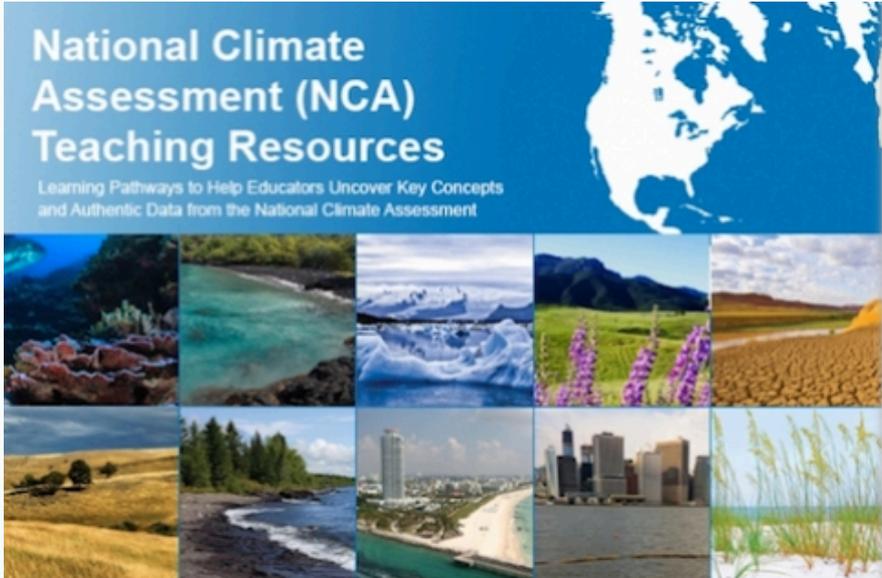
Scroll down to see all search results. Click on the product name for each search result to find more detail about the product or resource and the project that developed it.

Product Name: [CYCLES Professional Development](#)

Product Description: A three-year professional development series for teaching culturally-relevant climate change with American Indian audiences

Developed By: [CYCLES: Teachers Discovering Climate Change from a Native Perspective](#)

November session will highlight NCA resources.



National Climate Assessment (NCA) Teaching Resources
Learning Pathways to Help Educators Uncover Key Concepts and Authentic Data from the National Climate Assessment

2014 National Climate Assessment Resources for Educators

Explore a series of guides for educators that focus on the regional chapters of the Assessment Report, helping to unpack the key messages of each region and point to related, high-quality online resources.

[*read more*](#)

The banner features a blue header with a white map of the United States. Below the header is a grid of 12 small images showing various natural and urban landscapes, including mountains, water, fields, and cityscapes.

Thursday, November 20th, 4:00pm EST.
NCA Learning Pathways for the SE Region

Broadcast from the Virginia Association Of Science Teachers (VAST) Professional Development Institute, Roanoke, VA.

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