

*****SPECIAL MESSAGE: [S'COOL website outage: August 20-27, 2010](#) ---** The server hosting the S'COOL website will be experiencing a scheduled maintenance outage on August 20-27, 2010. As a result, the S'COOL website and or observation database may be unavailable for a period of time on these days. If you make observations while the website is down, please save your observations, and submit them when the website is back on-line. ***

S'COOL E-note July/August 2010

Greetings from the S'COOL Team! Welcome to Issue 49 of the S'COOL E-note.

This month's issue includes:

- 1) Featured S'COOL lesson, "Thunderstorms "**
- 2) S'COOL observer "matches" e-mail notification updated**
- 3) Opportunity for GLOBE training: Carbon Cycle Workshop**

- 1) Featured S'COOL lesson, " Thunderstorms "**

The S'COOL featured lesson, [Lesson 55: "Thunderstorms"](#), describes several simple activities that model the behavior of lightning in a thunderstorm. The activities may be used as teacher demonstrations or as hands-on activities. Background information discusses the causes of, and cloud-types typically seen in, a thunderstorm event.

- 2) S'COOL observer "matches" e-mail notification updated**

The "matches" e-mail notification sent to S'COOL observers who have submitted a ground observation that has been matched to FLASHFlux satellite data has been updated. Based on the recent analysis that assessed the ground-to-satellite comparisons for the two approaches, the new e-mail refers to the SSF data, and no longer includes EQCDS data matches. For an explanation of the two approaches visit [S'COOL: About the satellite comparison](#). For more information about when to make a cloud observation that can be considered a "match", visit [S'COOL: When to Observe Clouds](#).

- 3) Opportunity for GLOBE training: Carbon Cycle Workshop**

Location: University Of New Hampshire in Durham, NH United States

Dates: August 17, 2010 - August 19, 2010

Protocols:

[Land Cover Use of MUC \(Basic\)](#)

[Land Cover Biometry \(Basic\)](#)

[Projects Carbon Cycle \(Basic\)](#)

Availability: Open to all teachers

Further details [from the GLOBE website]: The GLOBE Carbon Cycle project is focused on bringing cutting edge research and research techniques

in the field of terrestrial ecosystem carbon cycling into the classroom. Students collect data about their school field site to determine carbon storage and participate in classroom activities to understand carbon cycling. These activities include plant-a-plant experiments, How do scientists measure trees?, an introduction to modeling, and analysis of collected data. In addition, students have the opportunity to integrate their data with emerging and expanding technologies, including global and local carbon cycle computer models and online map resources. This program design allows students to explore research questions from local to global scales under both present and future environmental conditions. Materials have been developed by teams of scientists and science educators at the University of New Hampshire and Charles University in Prague, Czech Republic. Activities have been locally tested by middle and high school teachers and students and refined. Graduate credit may be available from UNH for participating teachers. Registration: \$100 Provided: Breakfast & Lunch Take Home: Carbon Cycle Classroom Materials & Tools.

For more information contact: sarah.silverberg@unh.edu.

To register for the workshop, visit the [GLOBE training information page](#) .

Note: Links indicated by  are not maintained by NASA.