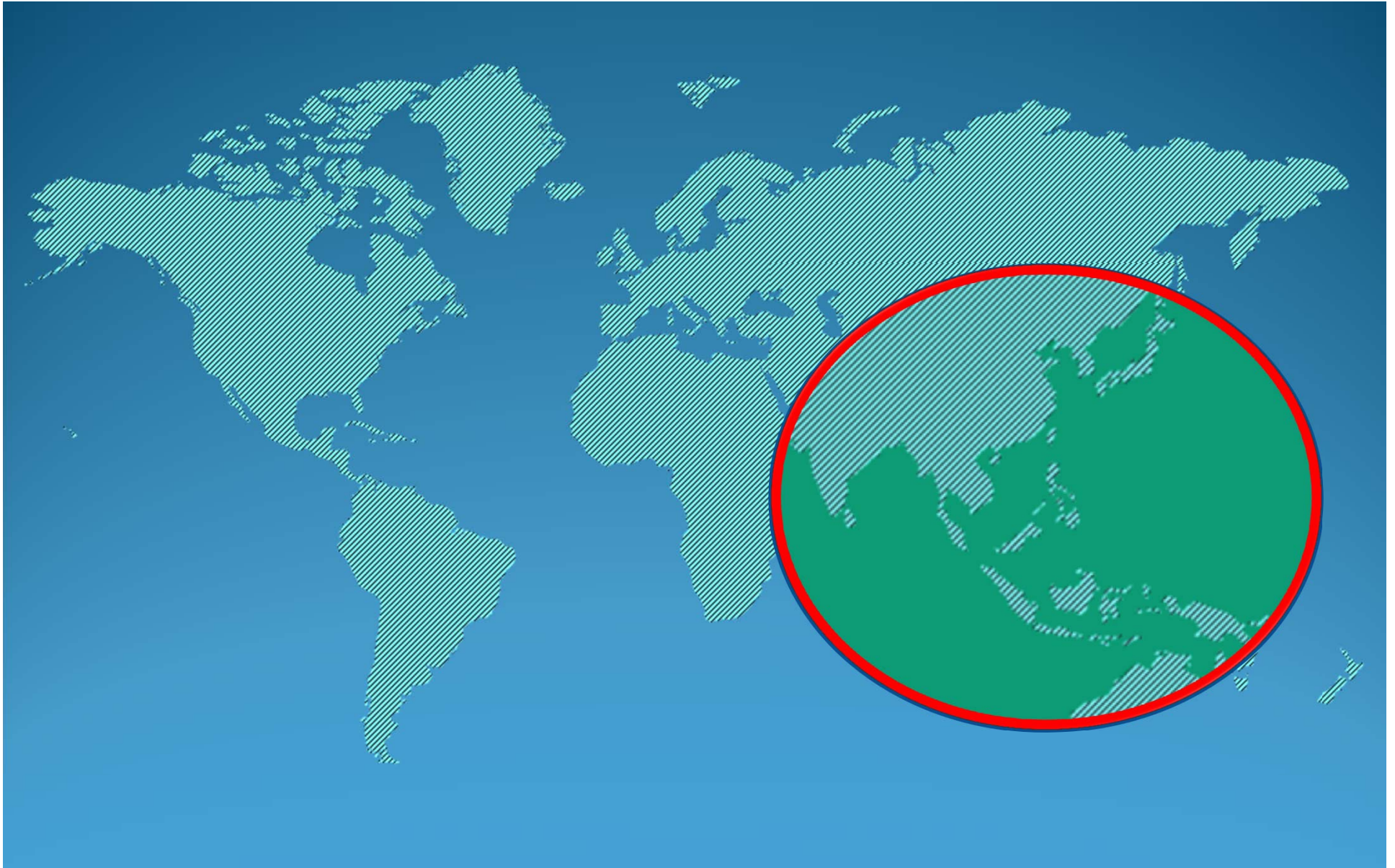




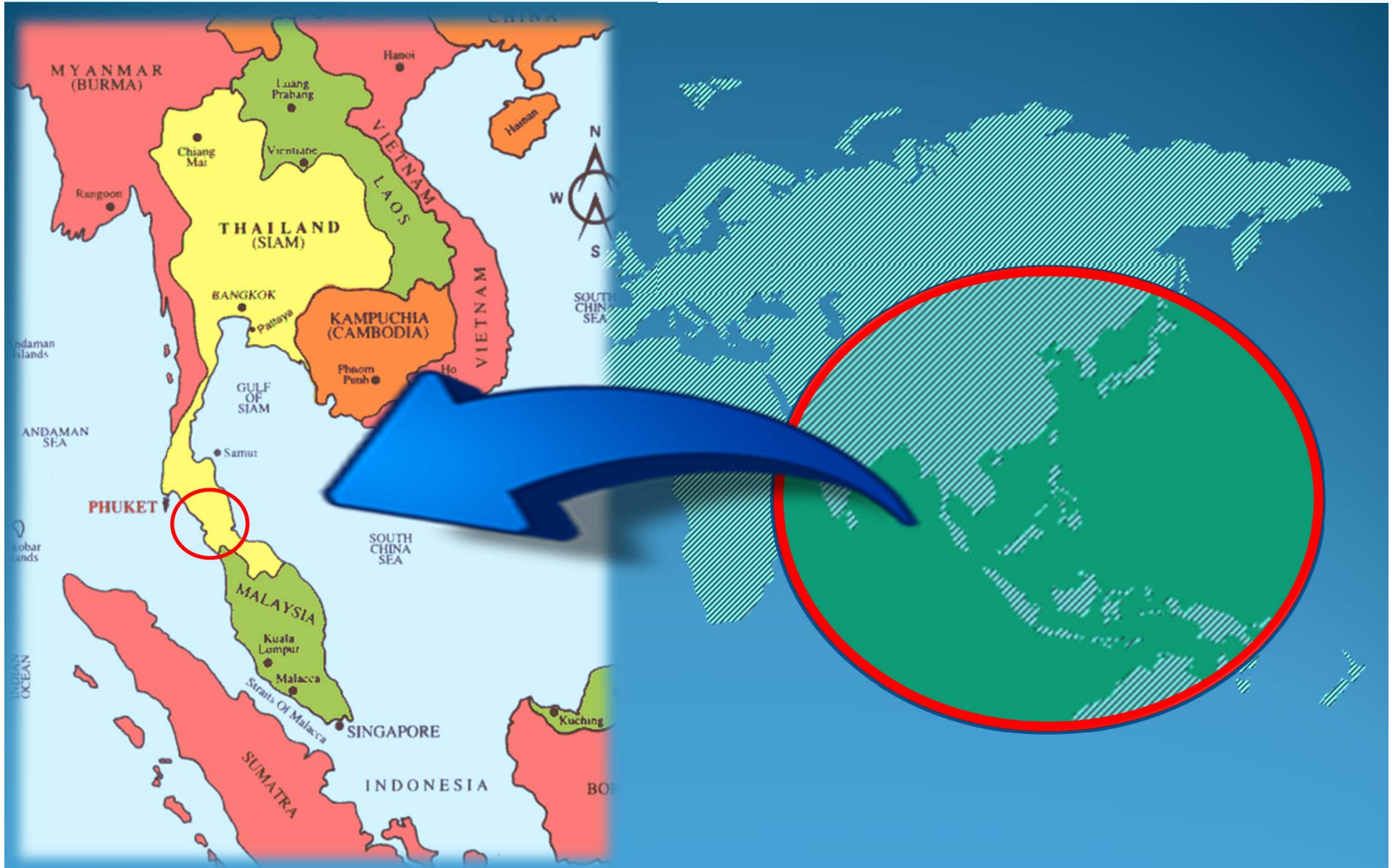
PRINCESS CHULABHORN'S COLLEGE, TRANG THAILAND



Location



Location





My School



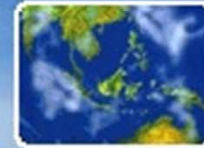


THE GLOBE PROGRAM

วิทยาศาสตร์โลกทั้งระบบ เพื่อสิ่งแวดล้อมโลก



www.ipst.ac.th



GLOBAL LEARNING AND OBSERVATIONS TO BENEFIT THE ENVIRONMENT

WELCOME



HOME

www.globe.gov

www.ipst.ac.th

SEARCH

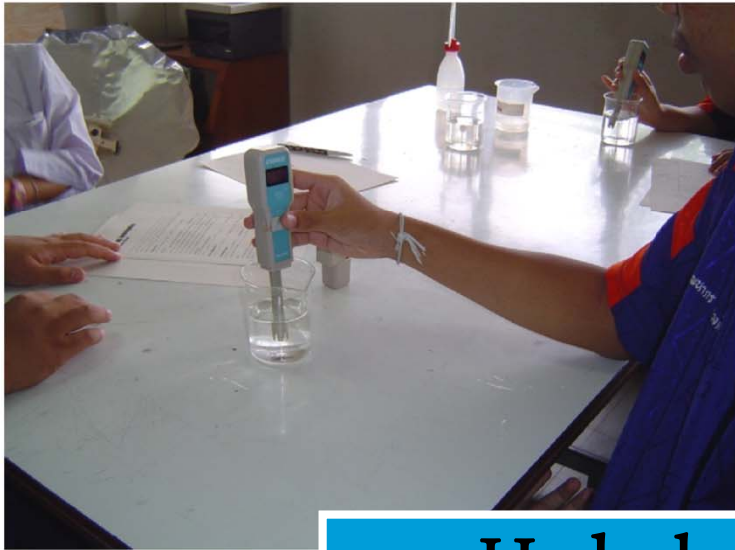


Princess Chulabhorn's College, Trang
participated in GLOBE since 2003.





First group of students in GLOBE club



Hydrology Protocol





Atmosphere Protocol





Students collecting data





Students submitting data to GLOBE website

The GLOBE Program: Welcome - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://www.globe.gov/Welcome/welcomeb.jst.pl

Dashboard Enter search words here Search

Education Environment Ecology Pollution Ecosystems Recycling

The GLOBE Program

News and Events

2004 Dashboard 06/13/04 10:22 AM
[How To Join GLOBE](#)

EDUCATION & SCIENCE
 Teacher's Guide
 Protocols
 Student Investigations
 School Collaboration
 Scientists' Corner
 Educators' Corner

GLOBE DATA
 Data Entry
 Maps and Graphs
 Data Access

GLOBE PARTNERS
 Partners' Corner
 Countries
 Schools
 U.S. Partners

LIBRARY
 Resource Room
 GLOBE STORE
 News and Events

Celebrate Earth Science Week with GLOBE

News and Announcements

NASA and GLOBE are conducting a worldwide experiment on October 14th and 15th, 2004 (Thursday and Friday of Earth Science Week). Everyone interested in helping develop a better understanding of the Earth is invited to join. NASA works with GLOBE to help achieve its mission: of inspiring the next generation of explorers. Participants will observe conditions, clouds formed from wave region in several stations, and report their findings to scientists. Observations will be tallied and reported state-by-state and country-by-country to illuminate any patterns of coastal activity. [More...](#)

GLOBE and UNESCO Join to Support IIT in Lake Baikal

From July 9-13, GLOBE and UNESCO jointly sponsored a Train-the-Trainer workshop on the shores of Lake Baikal, Russia. The workshop was located in the village of Oryshansk, about 4 hours from the Russian capital of Ulan Ude on the eastern side of Lake Baikal. Participants arrived from both the eastern and western sides of the lake, and even included the Country Coordinator for Kazakhstan (Europe) and three South Korean teachers, who made the long journey to this beautiful, yet remote, site. [More...](#)

GLOBE Teacher Training Workshop - Singapore, Kazakhstan

GLOBE Kazakhstan, the U.S. Peace Corps, EuroMedNet, and the U.S. Embassy in Kazakhstan were pleased to host a GLOBE teacher training workshop in the Almaty National Park outside of Almaty, Kazakhstan. The workshop was held from July 18-22, and differed from many workshop formats in that the organizing committee was successful in raising funds to fully support the costs of the workshop including travel, room and board.

Discussions not available on http://www.globe.gov/

Back Forward Stop Refresh Home Search Favorites Media

Address http://www.globe.gov/US/INDIV/SCH/FC/Display.pl?sch=y41F6A&lang=en

Dashboard Enter search words here Search

Education Environment Ecology Pollution Ecosystems Recycling

HOME
 2004 Dashboard 06/13/04 10:22 AM
[How To Join GLOBE](#)

SCHOOL SEARCH

EDUCATION & SCIENCE
 Teacher's Guide
 Protocols
 Student Investigations
 School Collaboration
 Scientists' Corner
 Educators' Corner

GLOBE DATA
 Data Entry
 Maps and Graphs
 Data Access

GLOBE PARTNERS
 Partners' Corner
 Countries
 Schools
 U.S. Partners

LIBRARY
 Resource Room
 GLOBE STORE
 News and Events

INFO & HELP
 Learn About GLOBE

Princess Chulabhorn's College

**196 Moo 4 Bang Rak, Muang District
 92000 Trang
 Thailand**

**Phone : 662-0 7523 0517
 FAX : 662-0 7523 0517 ext. 108**

School homepage URL : <http://www.pccrj.ac.th>

Email : ppat1994@yahoo.com

Grade Levels: Upper (Grades 7-9, Ages 12-16)

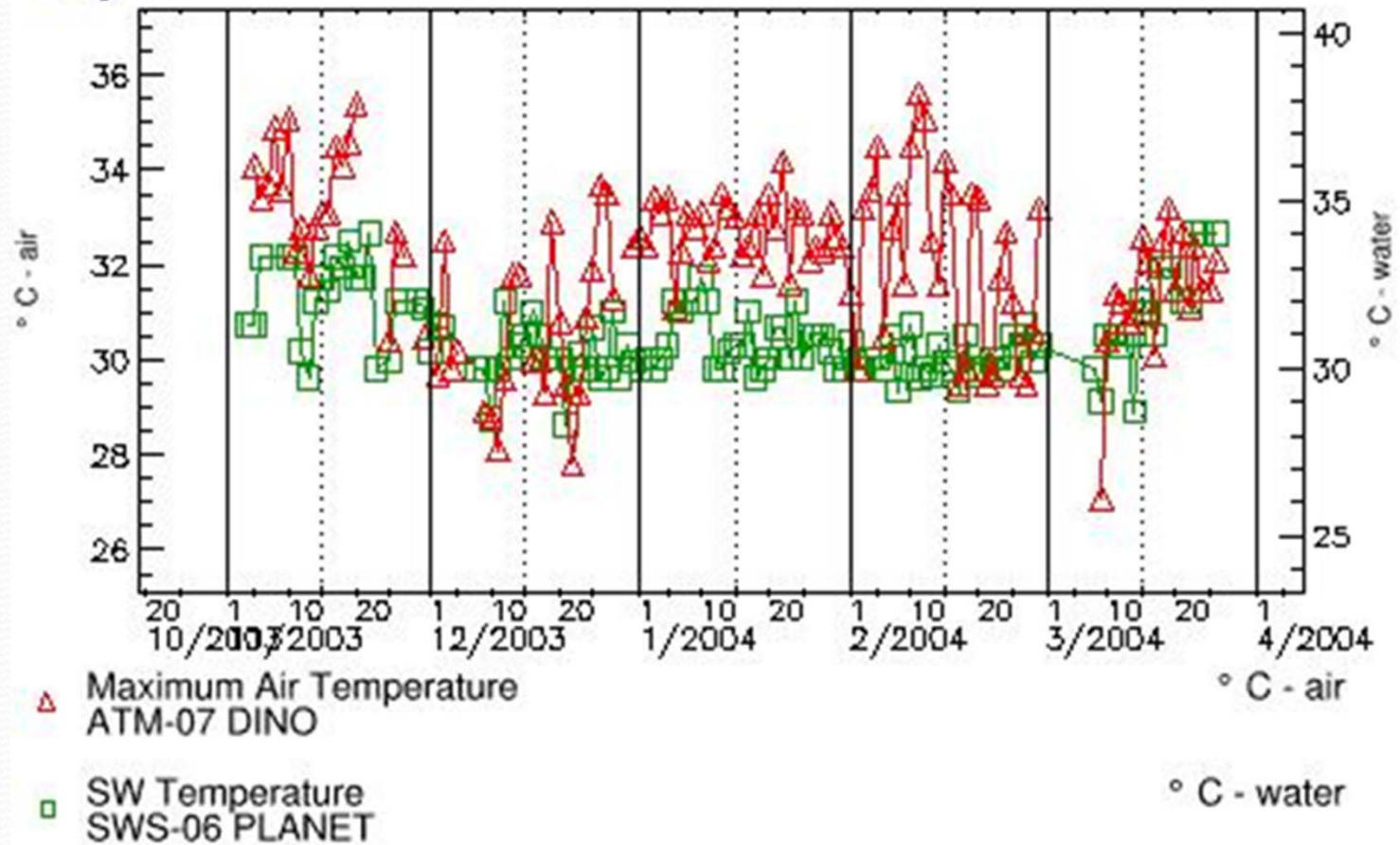
Principal : Mr. Jek Karvijiboon

GLOBE Teacher(s) : Paichara Pongmanee

Discussions not available on http://www.globe.gov/



Princess Chulabhorn's College-Trang, TH





Students trained the next group

Students trained the next group



Students trained the next group



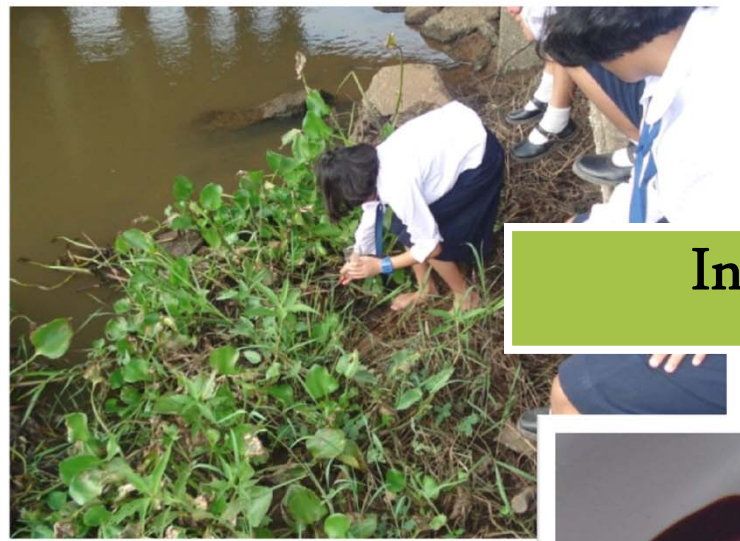


Go to outside school



Exciting





Interesting



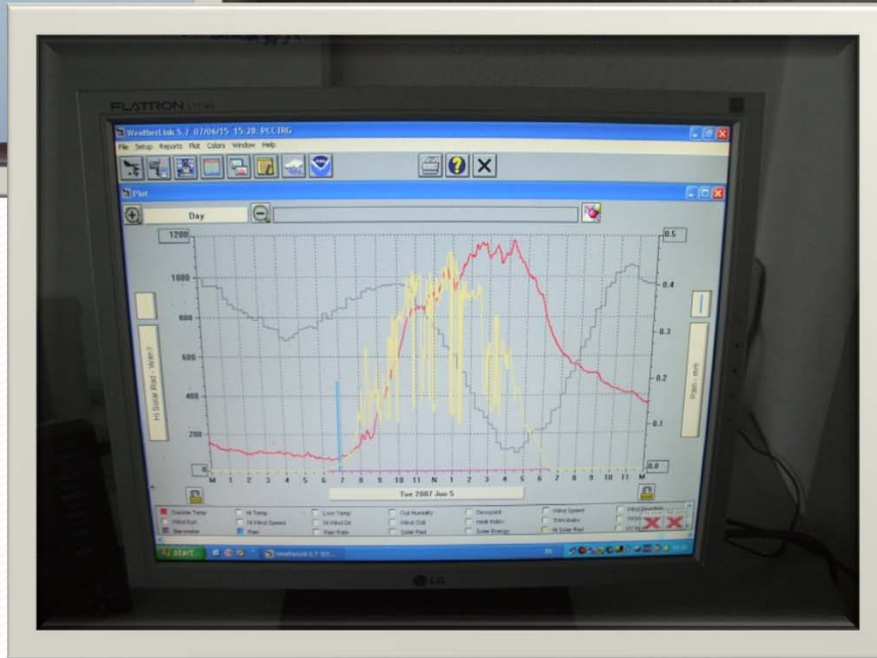
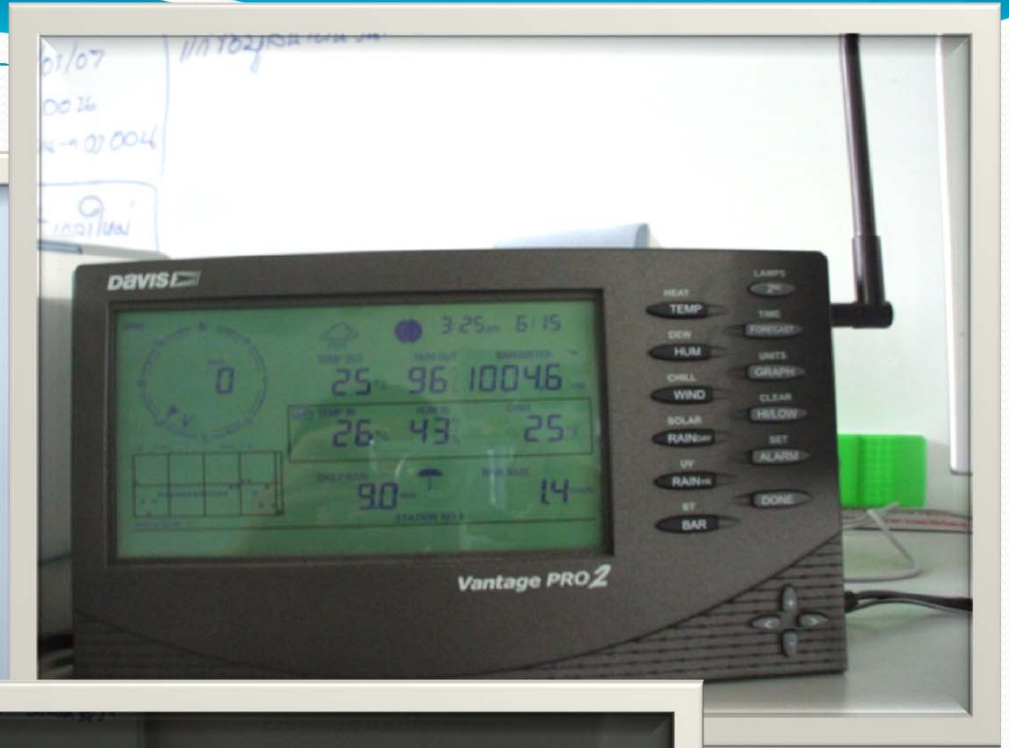
Happy





Weather Station

2006





2007, Collaborated with GLOBE students in USA



[Submit a GLOBE Star](#) [Chief Scientist's Honor Roll](#) [Schools first sending data in the last week](#)

GLOBE Stars of Thailand

[GLOBE Hall of Fame](#) (grouped by country)

[Enhancing GLOBE through Partnerships](#) 16-OCT-2006

[GLOBE Master Trainer Receives Prestigious Science Award](#) 20-SEP-2006

[Students in California and Thailand Find Innovative Ways to Incorporate GLOBE](#) 09-MAY-2007

[Thailand GLOBE: Quick and Creative Start](#) 30-MAY-2001

Students in California and Thailand Find Innovative Ways to Incorporate GLOBE

09 May 2007

In Redding, California, GLOBE students are learning about science in innovative ways, while expanding their knowledge and awareness of the world. At [Evergreen Charter School](#), GLOBE science has been integrated into all aspects of the curriculum: art, music, language arts, and science. Terri Lhuillier, a GLOBE-certified fifth grade teacher, has been implementing GLOBE protocols for two years, creating new ways to engage her students across the curriculum, through science.



A GLOBE student shares a picture of her penpal Program. They actually get to apply what they have learned by providing valuable information for the atmospheric

In November 2006, nineteen of Terri Lhuillier's fifth grade students from [Princess Chulabhorn School](#) in Trang, Thailand, met with North American Regional Desk Officer [Nan McClurg](#), in order to give her Thai students the opportunity to improve their English. The students write to each other regularly, discussing many topics, including the weather, the people inhabiting their countries, their experiences with GLOBE, and their interests in music and movies. Recently, the Thai students began to learn some English words and phrases. Student Geoff Barley said, "It is so exciting to learn about their weather, too. I wish I lived

In language arts, the students read *It Looked Like Spilt Milk*, by Charles Shaw, an engaging book in which splashes of milk look like various cloud formations. After the students read this, they go outside to observe the clouds. In art class, they use cotton balls and glue to illustrate what they see. During writing time, they describe their observations. In science class, the students focus on clouds, climate and weather by taking measurements such as temperature readings, rainfall levels, pH levels and cloud cover. Then, the students enter their data into the GLOBE Web site. Ms. Lhuillier says, "My students begin to take an interest in the weather and climate around them because of their involvement with the GLOBE



<http://www.globe.gov/news/globe-stars/starsdetail/globe/2007-california-and-thailand>



**Collaborated with GLOBE students in the USA
(Evergreen Charter School in California)**





Got more training

Colorado State University

Department of ATMOSPHERIC SCIENCE



Jet Propulsion Laboratory
California Institute of Technology

+ NASA Home Page
+ NASA CloudSat Portal

JPL HOME

EARTH

SOLAR SYSTEM

STARS & GALAXIES

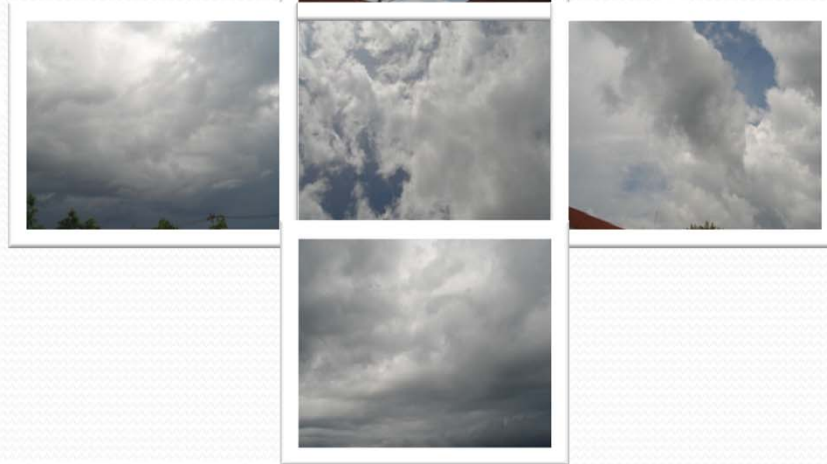
SCIENCE & TECHNOLOGY



CLOUDSAT



CloudSat Protocol



Soil Protocol



Soil Protocol




Mosquito Protocol



Land cover Protocol





**GLOBE activities were integrated into school' s
regular curriculum**



Biology





Science Project





Nature of Science and Scientific Method





Basic Science

Social Study

English





Agriculture





From Local to Extreme Environments (FLEXE)

Pilot Activity Guide

Ecology Unit

2010

Students do activities



Students submit data and contact with scientist





Students research



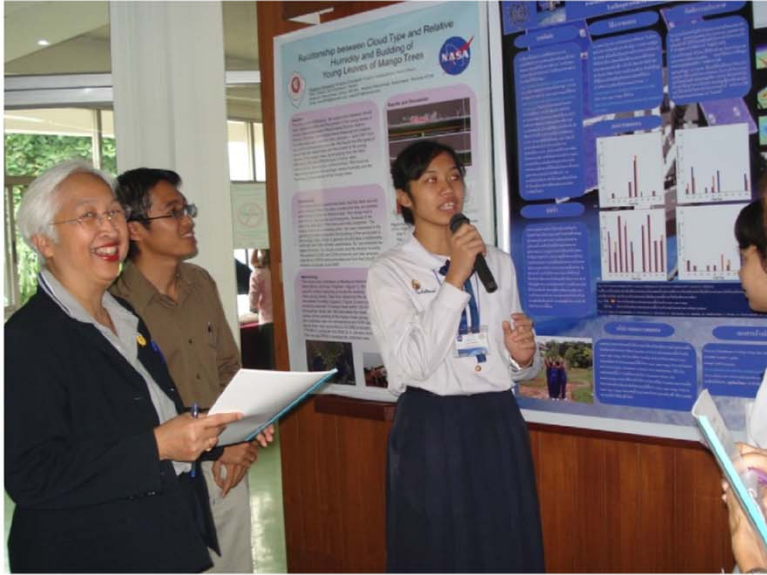




Water Vapor Image by Google Earth

Students presentation

2007 at IPST in Bangkok



2008 at IPST in Bangkok



2009 in Bangkok



2010 in Phuket



2011 in Bangkok



2012 in Bangkok



2013 at IPST in Bangkok





This work was supported by

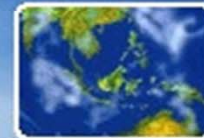


THE GLOBE PROGRAM

วิทยาศาสตร์โลกทั้งระบบ เพื่อสิ่งแวดล้อมโลก



www.ipst.ac.th



GLOBAL LEARNING AND OBSERVATIONS TO BENEFIT THE ENVIRONMENT

WELCOME

 HOME

www.globe.gov

www.ipst.ac.th

SEARCH





Dr. Pornpan Waitayangkune
Coordinator of GLOBE Thailand



GLOBE Southern Thailand, Walailak University.



Assoc. Prof. Dr. Krisanadej Jaroensutasinee



Assoc. Prof. Dr. Mullica Jaroensutasinee



**Princess Chulabhorn's College, Trang, Thailand,
1st place winner of GLOBE's SCRC
video competition in the Asia + Pacific region,
2012 Earth Day Cerebration**

Thank you
Kob-khun-ka



SAWASDEE
Thailand