

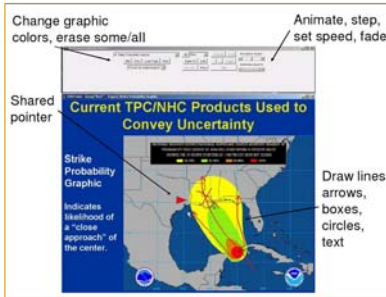
# Web-Based Tools to Facilitate Education and Training in Satellite Meteorology



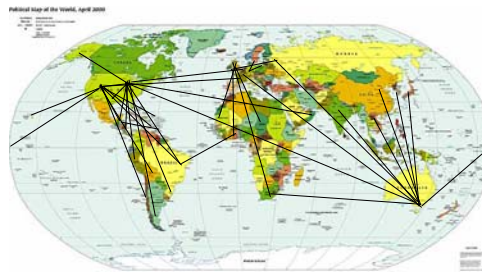
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## VISITview

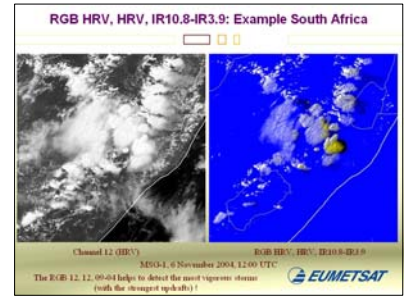
The premiere training tool used by the U.S. National Weather Service to instruct forecasters in the interpretation and use of satellite data



VISITview client functions



VISITview use around the world



EUMETSAT severe convection training

Major satellite advances create a compelling need for training. The VISIT (Virtual Institute for Satellite Integration Training) program performs pioneering research in the use of tools, data, and techniques for supporting distance learning activities in the atmospheric sciences. The United States National Weather Service (NWS), the World Meteorological Organization (WMO), EUMETSAT, and other organizations use VISITview software and VISIT lessons to support their needs for decentralizing training activities.

## Satellite Observations in Science Education

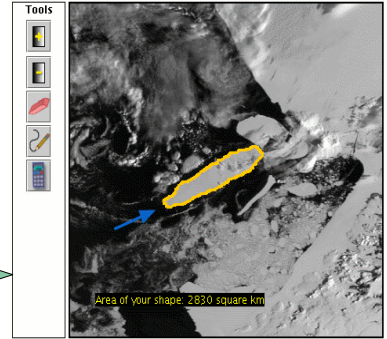
Combines online learning activities with e-learning tools called *Reusable Content Objects (RCOs)* to assist educators teaching remote sensing and satellite technology



This Tracking RCO allows distance or speed measurement over a series of images.

The long-term goal of *Satellite Observations in Science Education (SOSE)* is to improve the teaching and learning of the Earth system through quality educational resources that make use of satellite observations. SOSE has made available a library of Reusable Content Objects (RCOs) - a toolkit easily adaptable to a wide variety of applications.

With a simple configuration file anyone can quickly utilize these RCOs in a new web page.

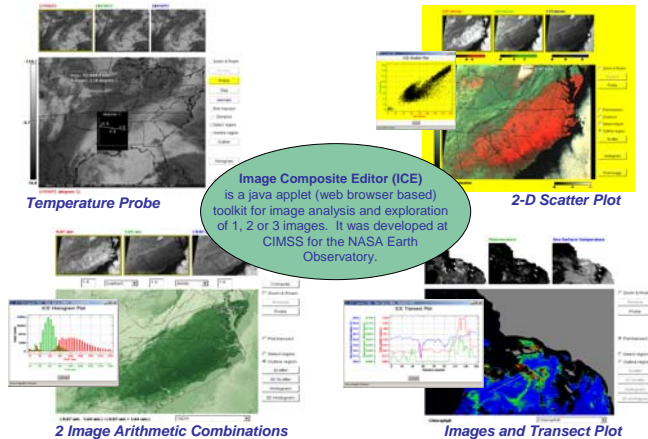


This Sizing RCO allows the user to determine the area of features within an image (in this case, a tabular iceberg).

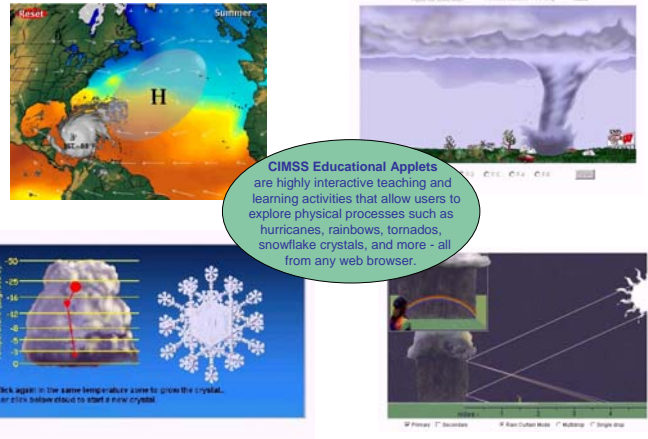
## Interactive Educational Applets

Highly interactive teaching and training activities, freely available for download

<http://earthobservatory.nasa.gov/Laboratory/ICE/>



**Image Composite Editor (ICE)** is a java applet (web browser based) toolkit for image analysis and exploration of 1, 2 or 3 images. It was developed at CIMSS for the NASA Earth Observatory.



**CIMSS Educational Applets** are highly interactive teaching and learning activities that allow users to explore physical processes such as hurricanes, rainbows, tornados, snowflake crystals, and more - all from any web browser.

All of these tools are freely available from CIMSS/SSEC

For more information: <http://cimss.ssec.wisc.edu/education>