# Satellite Training Activities: VISIT, SHyMet, and WMO Vlab Focus Group 

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## Origins

VISIT Created in 1998 and is a joint effort between:

- NOAA National Weather Service (NWS)
-NOAA Environmental Satellite Data and Information Service (NESDIS) - NOAA Cooperative Institutes in Colorado (CIRA) and Wisconsin (CIMSS). Mission: To accelerate the transfer of research results based on atmospheric remote sensing data into NWS operations using distance education techniques Sly Me Launched in 2006 Focus: Organize modules into course topics. This program utilizes the structure and content developed by VISIT as well as content from other sources such as COMET. New material is developed where it is lacking.
Cab Established in 2000 to promote effective use of satellite meteorology by WMO Members located in all parts of the world. The WMO VLab is a collaborative effort joining major operational satellite operators across the globe with WMO regional training centers of excellence (COEs) in satellite meteorology. vlab.wmo.int


## Target Audiences

US: Forecasters at NWS operational offices (National Centers, Weather Forecast Offices, River Forecast Centers, and Central Weather Service Unit) and anyone else inside or outside NOAA who has interest.

international: Forecasters, student, researchers and anyone else who has interest.

supporting satellite operators (highlighted
supports activities in the white region.

Methods and Technology/software:
Virtual Teletraining: VISITview or GoToMeeting + telephone or VOIP Modules: $\quad$ Articulate Presenter, Recorded VISITview Quick examples: Blog, Web Pages
Simulations: AWIPS Weather Event Simulator



Virtual Institute for
Satellite Integrated Train


Satellite Hydrology and Meteorology Development Plans

Virtual Training for different audiences

## USA: National Weather Service

VISIT Focus: Single topics VISIT Topics:
Satellite Meteorology Severe Weather Winter Weather Tropical
Lightning, Climate
Numerical Weather Prediction Fire Weather, Other
rammb.cira.colostate.edu/visit/
SHyMet Focus: Courses
SHyMet Courses + (\# of modules):
Tropical SHyMet (7)
SHyMet for Forecasters ( $6+3$ optional) Severe Thunderstorm Forecasting $(7+4)$
SHyMet for Interns (9)
rammb.cira.colostate.edu/shymet/


## International

Discussion based
World Meteorological Organization Virtual Laboratory for Training and Education


## Regional Focus Group of the Americas and the Caribbean

 Organizers: CIRA, US NWS Training Branch, the International Desk at NCEP, RTC in Costa Rica and BarbadosParticipants: Antigua and Barbuda, Argentina, Bahamas, Barbados, Belize, Bolivia, Brazil, Cayman, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Guatemala, Guyana, Grenada, Haiti, Honduras, Jamaica, Martinique, Mexico, Netherland Antilles, Nicaragua, Panamá, Paraguay, Peru, St. Kits and Nevis, St. Lucia, Trinidad and Tobago, Uruguay, and Venezuela KEYS TO SUCCESS
>Motivation
> Motistribution of workload
>Cooperation and Collaboration $>$ Input from experts and users $>$ Native Languages

rammb.cira.colostate.edu/vlab



New Teletraining and online modules in 2011: Objective Satellite-Based Overshooting Top and Enhanced-V Anvil Thermal Couplet Signature Detection By K. Bedka, J. Brunner, L. Crone, R. Dvorak, W. Feltz, and S. Linstrom

Synthetic Imagery in forecasting Severe Weather By D. Bikes

Synthetic Imagery in Forecasting Orographic Cirrus By D. Bikes

## Volcanoes and Volcanic Ash Part 2

 By J. Braun and J. Osiensky

GOES-15 Becomes GOES-West , Ti ta By Ross Van Til

## WES Case



Baseline Image
by K. Bah, J. Gerth, and T. J. Schmit
http://cimss.ssec.wisc.edu/goes/abilloops/WES for GOES-R ABI 2011 Version.pd






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