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.
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.
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.

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.

Vlab link varies by COE (denoted by country flag) and supporting satellite operators highlighted in yellow). NOAA supports activities in the white region.

Methods and Technology/software:

Virtual Teletraining: VISITview or GoToMeeting + telephone or VOIP
Modules: Articulate Presenter, Recorded VISITview
Quick examples: Blog, Web Pages
Simulations: AWIPS Weather Event Simulator

BLOGS:

CIRA
rammb.cira.colostate.edu/training/visit/blog/
cimss.ssec.wisc.edu/goes/blogs/

CIMSS

Virtual Training for different audiences

International

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 Barbados.
Participants: 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, Netherlands Antilles, Nicaragua, Panama, Paraguay, Peru, St. Kitts and Nevis, St. Lucia, Trinidad and Tobago, Uruguay, and Venezuela.

SHyMet Focus: Courses
SHyMet Courses + (# of modules):
SHyMet for Forecasters (6 + 3 optional)
Severe Thunderstorm Forecasting (7 + 4)
SHyMet for Interns (9)
rammb.cira.colostate.edu/shymet/

US: 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/

Virtual 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. Cronce, R. Dworak, W. Feltz, and S. Linstrom
Synthetic Imagery in forecasting Severe Weather
By D. Bikos
Synthetic Imagery in Forecasting Orographic Cirrus
By D. Bikos

GOES-15 Becomes GOES-West
By Ross Van Til

WES Case
WES Simulation Guide: Advanced Baseline Imagery
by K. Bah, J. Goeth, and T. J. Schmit

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