Strengthening National and International Training Activities by Utilizing Similarities and Differences

Bernadette Connell and Erin Dagg, CIRA CSU, USA
Luciane Veeck, CIRA & WMO VLab, UK
Kathy-Ann Caesar, CIMH, Barbados
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Short list of additional contributors to development of training materials:
Dan Bikos, Ed Szoke, Jorel Torres, CIRA, Scott Lindstrom, CIMSS
Mike Davison and Jose Galvez (SRG), NOAA/NWS/NCEP/WPC International Desks
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Marcial Garbanzo, Univ. Costa Rica,
Marines Campos, SMN Argentina,
Natalia Rudorff, INPE Brazil
Who are the people we train?

Primary focus:
• National Weather Services

Secondary focus:
• Academia
• Managers – Public and Private
In support of societal benefit areas

Similarity

Weather and Outdoor Enthusiasts

Media and General Public

Hydrology
Agriculture
Forestry
Utilities
Transportation
Emergency
NOAA National Weather Service

122 Weather Forecast Offices

13 River Forecast Offices

22 Center Weather Service Units
Common spoken language
From one large country
What is the WMO VLab?

WMO-CGMS Virtual Laboratory for Education and Training in Satellite Meteorology

A worldwide collaborative network connecting Training Centres of Excellence (CoEs) & Satellite Operators

http://www.wmo-sat.info/vlab/
What is the WMO VLab?

Multiple spoken languages
Many countries of varying sizes

http://www.wmo-sat.info/vlab/
Training Approaches

- Virtual and in-person
- Seasonal

- Conceptual Models
- Training Development Plan
- Simulations
- Modules and Courses
- Quick Guides and Briefs
- Satellite Skills and Knowledge Document

Multi-lingual

Tools and resources

Training Event Weeks

Regular Webinar Sessions

- Monthly Virtual Regional Focus Group (RFG)
- Application Topics
To “Make it Stick”

- Learning requires a foundation of knowledge
- Hands-on applications strengthen knowledge retention.
- Learning is deeper and more durable when it requires effort.
- Recall of information strengthens retention.
Satellite Foundation Courses

- for GOES (SatFC-G)
- for soon to be released JPSS (SatFC-J)
Quick Guides and Quick Briefs

For GOES-R and JPSS series imagery and products

http://rammb.cira.colostate.edu/training/visit/quick_reference.asp
FDTD GOES Applications Webinars

26 September 2018

FDTD GOES-16 Applications
Making the Impossible in DSS...Possible!

Utilizing Radar and Satellite to Provide Meaningful Lightning Initiation and Cessation Information For Effective Decision-making.

Presented by
Pete Wolf
WFO Jacksonville FL

23 May 2018

FDTD GOES-16 Applications
Wildland Fire Notifications for Impact-Based Decision Support Services in Oklahoma

Presented by
Todd Lindley
NWS WFO Norman, OK

Facilitated by Dan Bikos and Scott Lindstrom (CIMSS)

http://rammb.cira.colostate.edu/training/visit/satellite_chat/
International

- Visitors to the NWS/NCEP/WPC International Desk (4 months)
- Virtual or in-person training event
- Virtual Regional Focus Group Climate and Weather Discussions

Monthly

Americas and the Caribbean over 14 years! Bi-lingual

http://rammb.cira.colostate.edu/training/rmtc/fg.recording.asp
Participation in the Virtual Regional Focus Group
Climate and Weather Discussions

International

Number of countries

Number of participants

2017
2018

2017
2018

Median =13
Median =38
Regional and Global Activities

Events advertised in the VLab Online Calendar & WMOLearn Events Calendar

http://www.wmo-sat.info/vlab/
Summary of Successes

- Foundational Training is available for new satellites
- Structure is in place to develop and deliver training for varied audiences: both trainers and users

➤ Capacity Building
Challenges and Opportunities

• Not all countries have adequate access to the internet
• People and other resources are limited…. but they are resourceful 😊
• Training entities will continue to assess and address the next levels of capacity building.