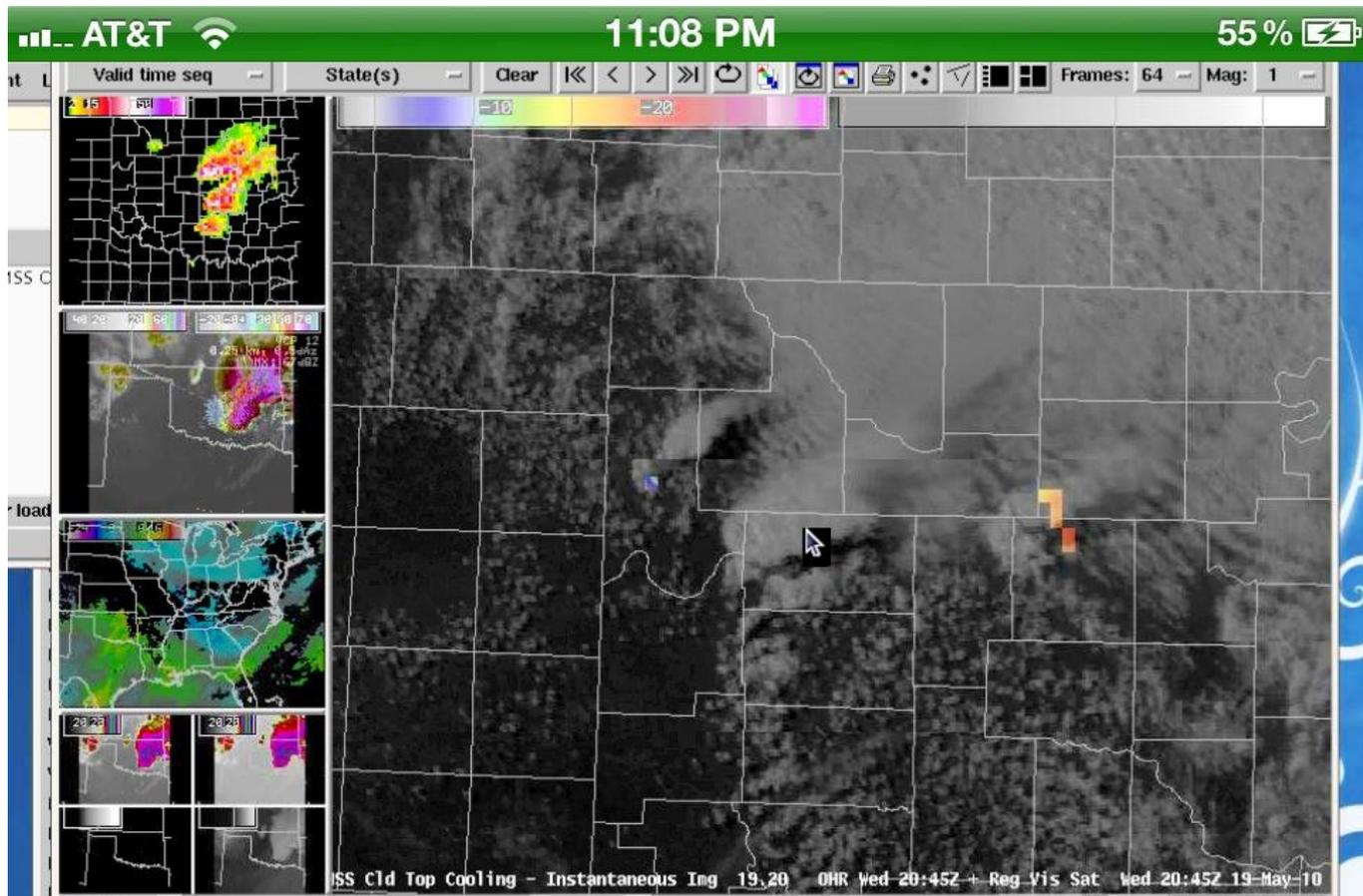


# Directions in GOES-R training

Jim LaDue  
NOAA/NWS

# Collaborative simulation in this room

<https://join.me/491-734-221>





# Where we are now

# VISIT

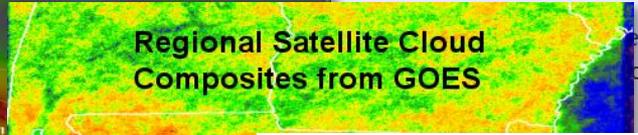
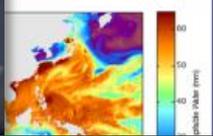
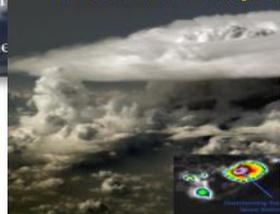
Water Vapor Imagery Analysis for Severe Thunderstorm Forecasting

**VOLCANOES AND VOLCANIC ASH**  
PART 1

TPW: of total precipitable water retrievals orbiting satellites

**Objective Satellite-Based Overshooting Top and Enhanced-V Anvil Thermal Couplet Signature Detection**

- Jeff Bra...
- Jeff Osier...
- Bernie Conne...
- VISIT
- VISIT FAQ
- Links / Tutorials
- RAMSDIS Online
- VISIT Training DVD



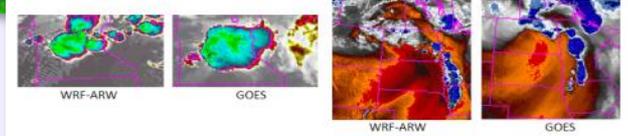
VISIT is a joint effort... Data and Information... VISIT is to accelerate... operations using... education techniques

satellite... of... NWS

**Utilizing Synthetic Imagery from the NSSL 4-km WRF-ARW model in forecasting Severe Thunderstorms**

Calendar icon  
Teletraining Calendar, Signup and...

NEW What's New?



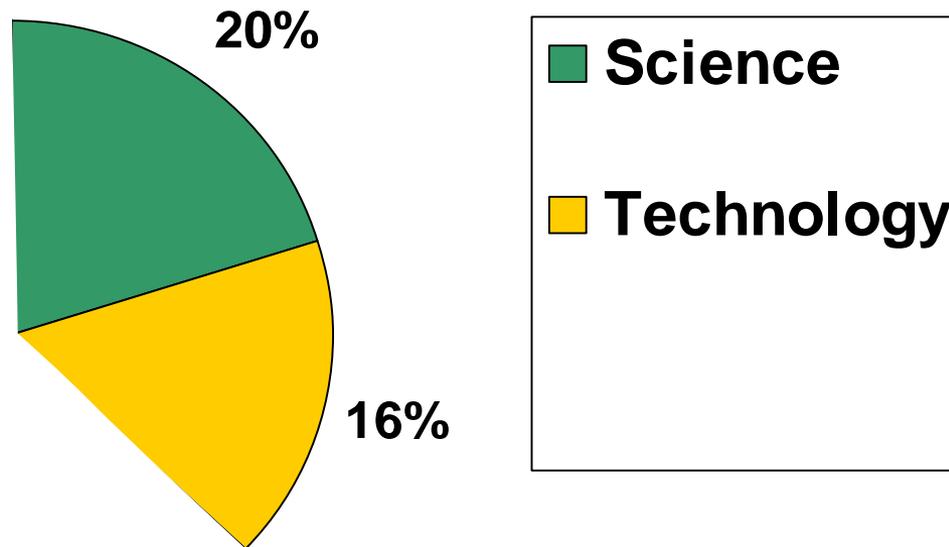
# Satellite course selection provides the basics

Sensor-based  
Phenomenon-based



# Consider this

**Factors contributing to 127 missed tornadoes (2004-2005)**





# Human factors?

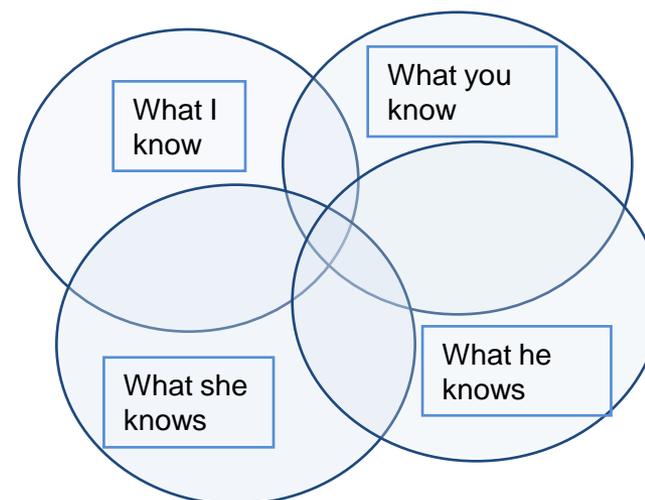
Individual

Situational Awareness (SA)

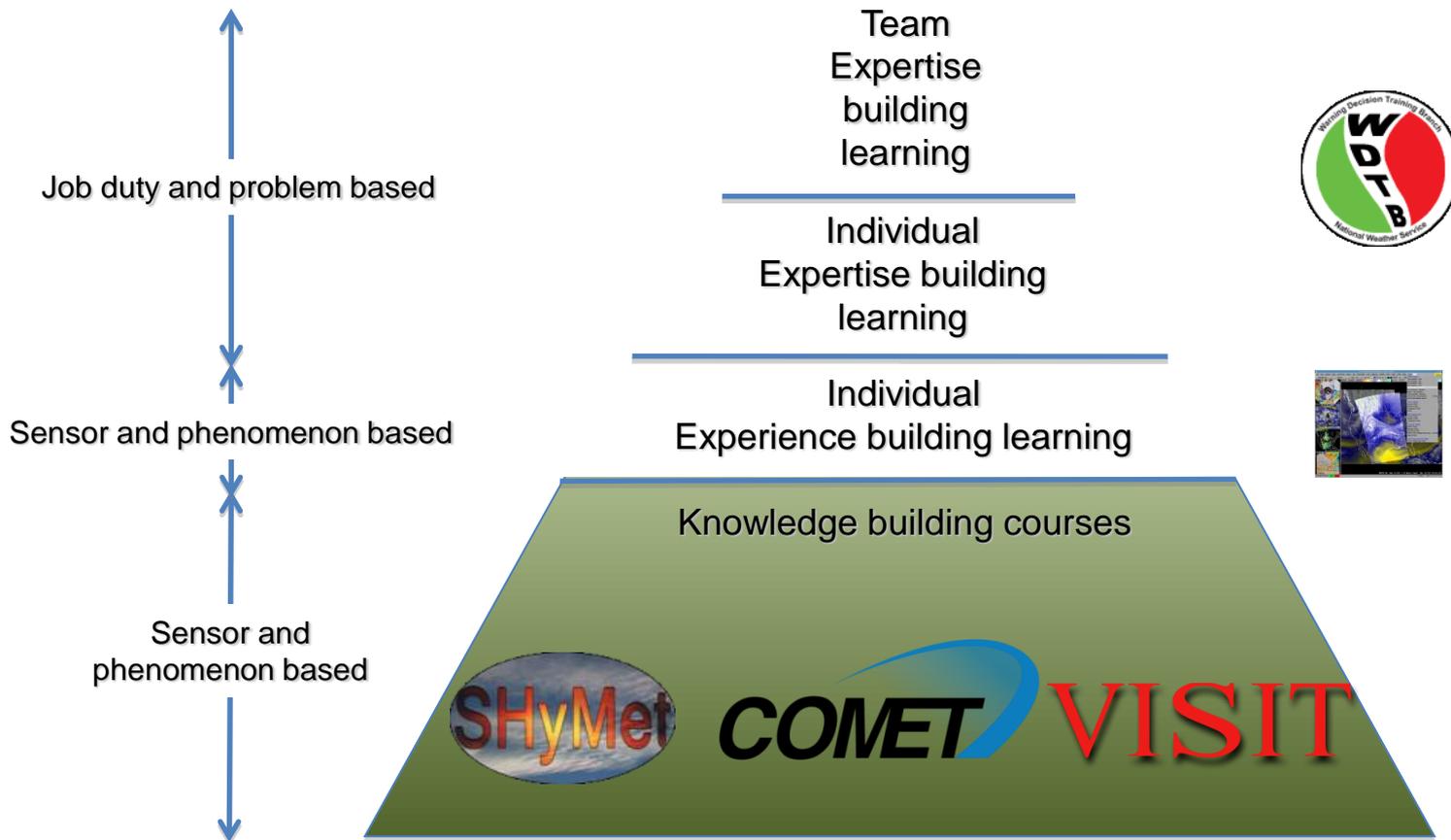
Experience helps enhance

Experience used well is  
expertise

Team



# Building on the foundation



*Build expertise through  
Problem-based learning:*

# An example of a problem

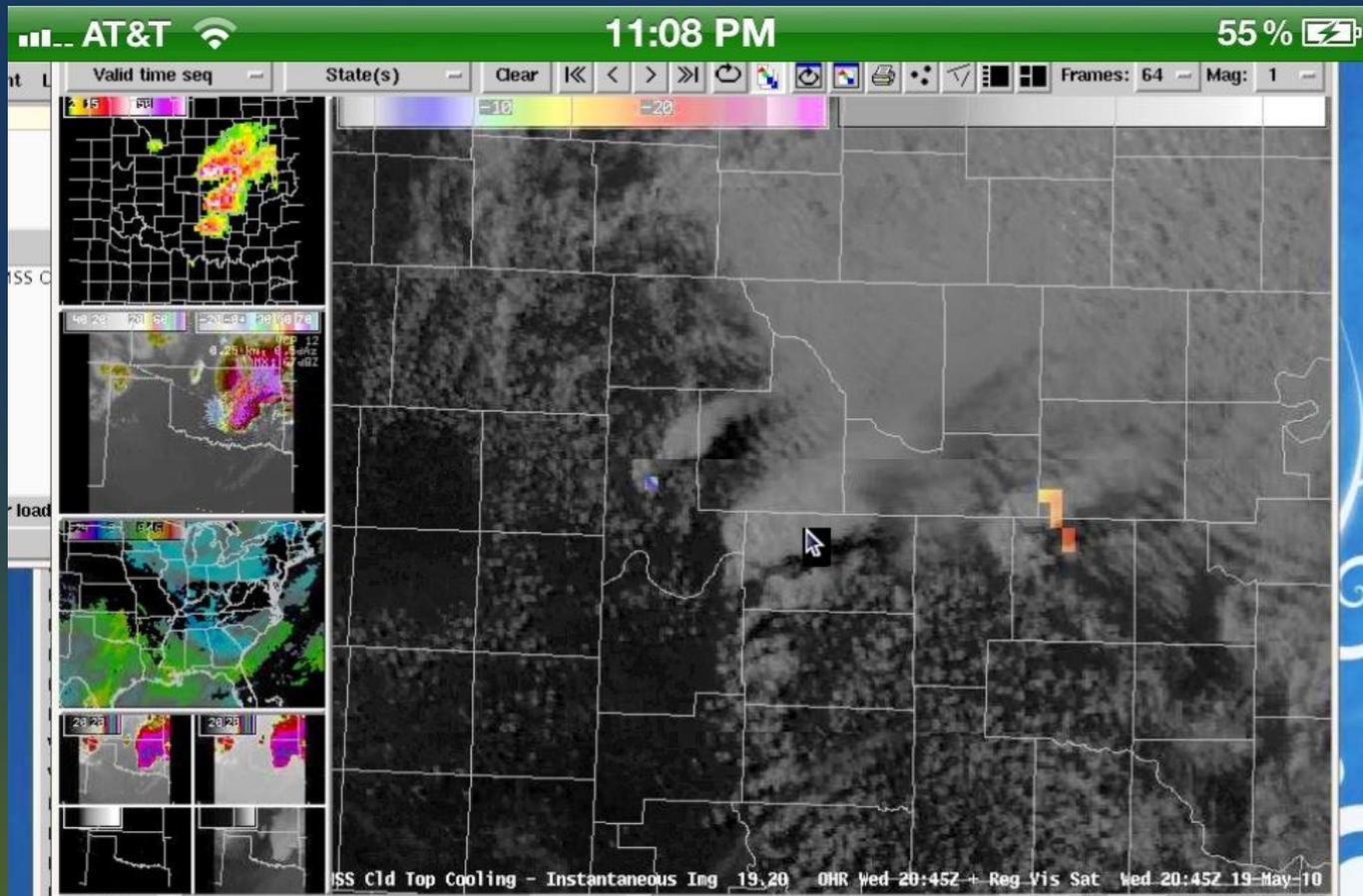
**Finding 12:** The NWS has limited guidelines on providing information for storms between “watch” and “warning” time frames. Such information would provide official NWS guidance to partners who must make preliminary notifications to first responders and high-vulnerability locations.

**Recommendation 12:** NWS should refine the guidelines in NWSI 10-517, providing more explicit instructions and examples of pre-warning information which can be provided on approaching severe storms. These guidelines should be cross-referenced in NWSI 10-511.

*How can we train forecasters and their partners to use GOES-R to solve this problem?*

# Collaborative simulation in this room

<http://join.me/#####>



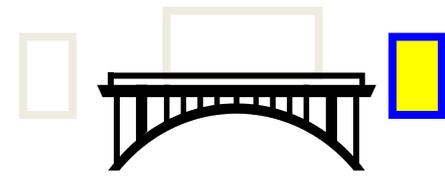
# Discussion

What new training is needed?

Decision support tools?

Export expertise?

# How to build expertise? Simulations, and now, collaborative simulations



“train as you fight” w/ core partners

- Collaborative simulations and interagency exercises: partnerships, teamwork and decision support
- Intraoffice and interoffice simulations
- Focus on teamwork and other social and human factors issues

