Use of Observational Datasets in Current and Future COMET Online Learning

Gregory Byrd and Bryan Guarente

UCAR/COMET

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COMET Background: Fast Facts

- Founded in 1990 to provide education and training for professional forecasters
- Multi-agency funding including:
  NOAA NWS, NESDIS, NPOESS, Air Force, Navy, MSC, BoM, NSF, EPA BLM, EUMETSAT, private foundations
- Over 165 universities have participated in COMET activities since 1990 (30 % of registered users from .edu)
- Nearly 600 hours of computer-based distance learning created for 85,000 users world-wide (200 countries)

The MetEd Website

- http://www.meted.ucar.edu

Use of Observational Data in COMET Modules

- Case-based interactive learning modules
- Interactive Skew-T
- Video snippets
- Future application: integration of geophysical data into Google Earth

Interactive Case-Based Learning Modules

- S-590: Advanced Fire Weather Forecasting Course: Fire Behavior
- Barrier Jet Forecasting: Eastern Foothills and High Plains of Colorado, 17-20 March 2003
- Blowing Snow: Baker Lake Nunavut Canada 4-10 February 2003
- Inverted Trough Case Exercise
- Ocean Effect Snow: New England Snow Storm, 14 January 1999
- Polar Lows: Ungava Bay, 01 December 2000
- Precipitation Type forecasting: New Brunswick, 01-03 February 2003

Interactive Thermodynamic Diagram

- □ [Skew-T Mastery](#)

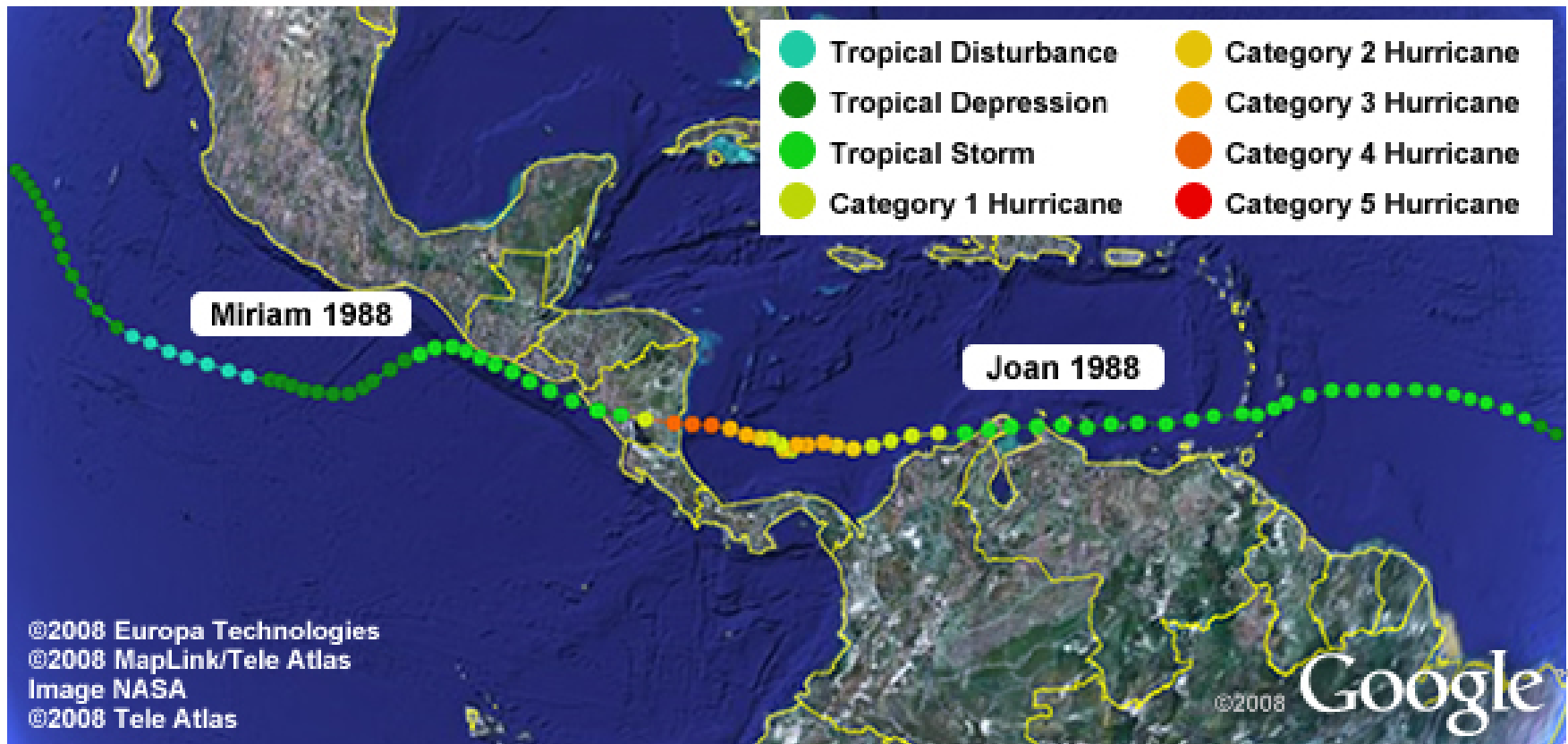# Video Snippets

- S-290 Unit 9: Observing the Weather

Coming Soon to COMET: integration of geophysical data into Google Earth

1988 Tropical Cyclones Miriam and Joan

Data courtesy of NOAA

In Summary........

□ COMET has a broad range of educational modules that utilize geophysical observations and are freely accessible to the academic community.

For more information, contact:

byrd@comet.ucar.edu

guarente@comet.ucar.edu

anthony.mostek@noaa.gov

and visit:

http://www.meted.ucar.edu/

http://rammb.cira.colostate.edu/visit/visithome.asp