

Satellite Meteorology Education Resources from COMET

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Patrick Dills and Wendy Schreiber-Abshire

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The COMET[®] Program (www.comet.ucar.edu) receives funding from NOAA NESDIS as well as EUMETSAT and the Meteorological Service of Canada to support education and training efforts in satellite meteorology. These partnerships enable COMET to create educational materials of global interest on the science and operational application of products from geostationary and polar-orbiting remote sensing platforms.

Over the last decade, COMET's satellite education activities have focused on the capabilities and applications of both current and next generation operational polar-orbiting and geostationary satellites and their relevance to operational forecasters and other user communities. By partnering with experts from the Naval Research Laboratory, NOAA-NESDIS and its Cooperative Institutes, the Meteorological Service of Canada, EUMETSAT, and other user communities, COMET stimulates greater utilization of both current and future satellite data observations and products. COMET has also broadened the scope of its online training to include materials on the EUMETSAT Polar-orbiting System (EPS) and Meteosat geostationary satellites. EPS represents an important contribution to the Initial Joint Polar System (IJPS) between NOAA and EUMETSAT, while Meteosat Second Generation imaging capabilities provide a proving ground for the next-generation GOES-R imager. In addition, COMET and its partners have launched efforts to update previously published satellite modules that are frequently used by both the operational forecast and education communities.

This presentation provides an overview of COMET's recent satellite education activities. These include distance learning courses and online publications that focus on topics like multispectral RGB products, atmospheric dust, volcanic ash, atmospheric rivers, climate monitoring from satellites, and the recently launched Suomi NPP mission. Over 50 self-paced online modules are freely available via the Satellite Meteorology topic area of the MetEd Web site (www.meted.ucar.edu/topics/modules/satellite) and COMET's Environmental Satellite Resource Center (ESRC) (www.meted.ucar.edu/esrc). The ESRC, another important resource developed for use by the geosciences and education communities, is a searchable, database driven Web site with over 600 entries that provides easy access to a wide range of useful information and training materials on Earth-observing satellites, remote sensing science, data, and applications.

Simple free online registration is required to access all training materials and the ESRC.