



US Army Corps  
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## Engineer Research and Development Center

*Item of Interest – Cold Regions Research and Engineering Laboratory*

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2011-06-15-01 summit / bra

### **NASA and Air Force Weather Agency visit Hanover site for Snow Modeling Summit**

CRREL scientists hosted teams from NASA’s Goddard Space Flight Center and the U.S. Air Force Weather Agency for a two day summit focused upon the AFWA-NASA Snow Algorithm (ANSA) satellite-based blended snow-cover analysis initiative.

Day one included an overview of the AFWA global snow model, CRREL snow cover and snow water analysis products, a NASA-Goddard-led discussion of ANSA algorithm plus updates, and a Land Information System (LIS) snow water/snow cover assimilation review. City College of New York Associate Professor, Marco Tedesco also led a discussion of updated microwave algorithm research information and CRREL Physical Scientist John Eylander presented a snow analysis and snow modeling science review/discussion.

Day two developed a science plan for aggregating the science discussed to improve the AFWA operational snow model, including developing new products and a way ahead for a multi-agency team dedicated to snow modeling improvement efforts.

According to published ANSA information, the blended-snow product, developed jointly by the AFWA and the Hydrospheric and Biospheric Sciences Laboratory at Goddard, utilizes the Moderate-Resolution Imaging Spectroradiometer (MODIS) standard snow-cover product and the Advanced Microwave Scanning Radiometer for Earth Observing System (AMSR-E) standard Snow Water Equivalent (SWE) product to map daily snow cover and SWE globally.

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Related links:

- <http://www.powershow.com/view/135fab->

[OGIyM/The AFWA Initial Operational Configuration for the NASA Land Information System flash ppt presentation](#)