

Forecasting a Continuum of Environmental Threats (FACETs): A Proposed Next-Generation Watch/Warning Paradigm

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This talk will cover the seven core elements (or facets) of the FACETs paradigm. These facets define a next-generation watch/warning process and establish a framework for its development. FACETs is a concept being explored by the National Severe Storms Laboratory (NSSL) and the National Weather Service (NWS). It is intended to move NWS watch/warning operations from a deterministic, binary, product-centric paradigm to one in which a rapidly-updated, high-resolution stream of (probabilistic) hazardous weather information - fed by current and future scientific tools (e.g., Warn-on-Forecast, Phased Array Radar) - can be optimized for user-specific decision making. This talk will also give a status of the preliminary development work underway at NSSL.