

# Earth System Research Laboratory (ESRL) Global Systems Division (GSD)

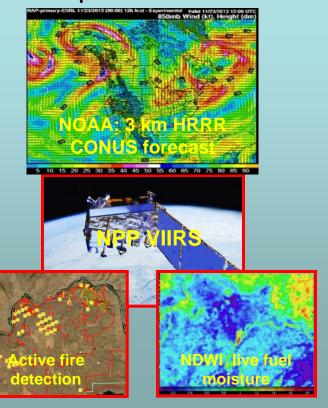
Putting tools in the hands of users

Advancing Fire Weather Research

## **Fire Weather Research to Application**

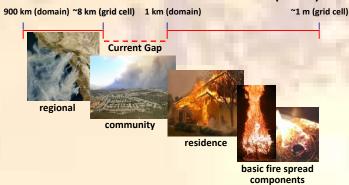
NOAA Data Used for Coupled Fire Weather/Fire Behavior Model

#### **Atmospheric Forecast Data**



### **Downscaled Modeling**

NOAA Fire Weather NIST Fire Behavior (WFDS)

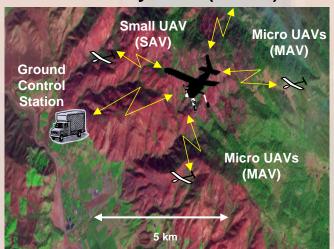


## **Forecast Decision Support Systems**



# Joint Research, Planning, and Execution

NSF Center for Unmanned Aircraft Systems (C-UAS)























NOAA

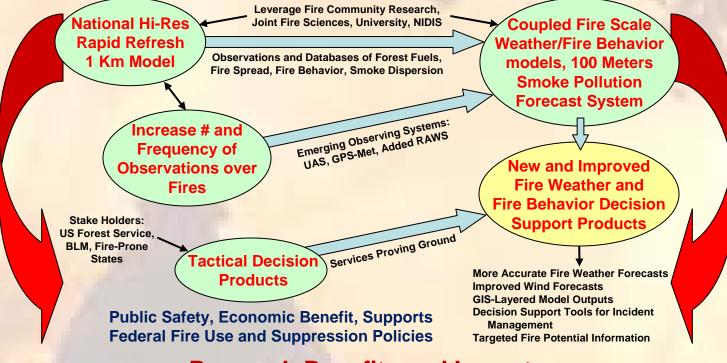
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## Joint Research, Planning, and Execution – Cont.

NOAA/United States Forest Service Memorandum of Understanding August, 2012
NOAA/USFS Fire Weather Collaboration: Improving Essential Services



## **Research Benefits and Impacts**

**Integrated Fire Fighter Operations** 

**Fire Fighter Operational Impacts** 





### For Further Information, Contact:

Sher Schranz – GSD/Advanced Technology and Outreach Branch – Phone: 303-497-7254 – Email: Sher.Schranz@noaa.gov

Or Visit:

http://www.nifc.gov/ http://esrl.noaa.gov/gsd/















