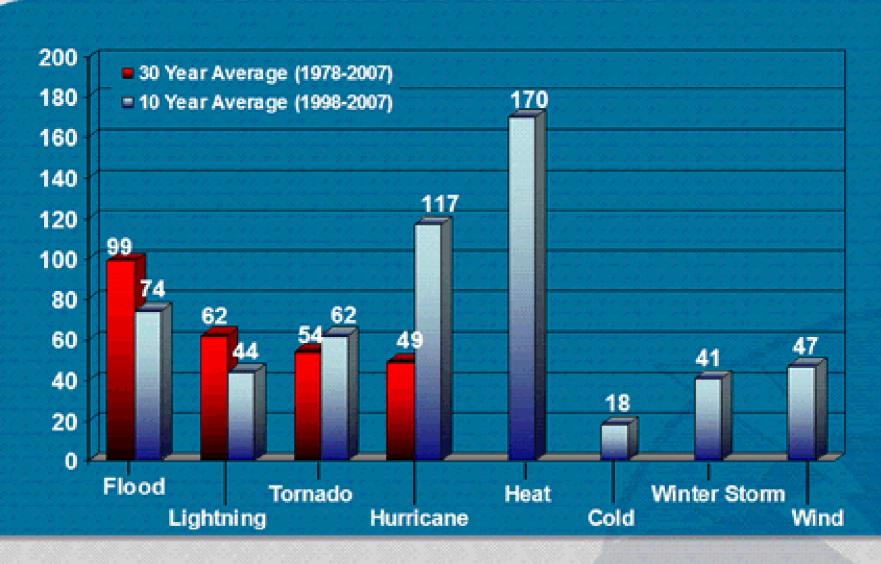






## **Weather Fatalities**



# About the National Weather Service

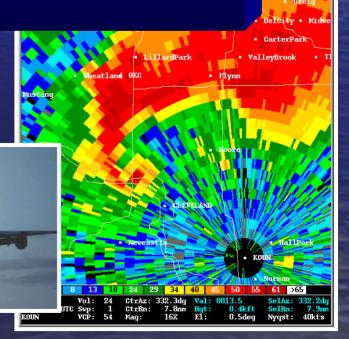
Provide climate, water, weather forecasts and warnings to protect life and property and enhance the economy

Data and products are used by other government agencies, the private secto

public, and the g community.

#### A Typical Year Brings:

- 7 Hurricanes
- 1,000 Tornadoes
- 5,000 Floods
- 10,000 ViolentThunderstorms
- Drought Conditions
- 500 Deaths; 5,000 Injuries;\$14 Billion in Losses



### U.S. EMERGENCY MANAGEMENT

- A national system comprised of Local, State and Federal E.M. agencies
- Responsible for coordinating the preparedness for, response to, recovery from & mitigation of disaster events
- Authority derived from statutes and chief elected officials at each level
- Local agencies primarily responsible for severe weather preparedness/warning

# Federal, State, Local NGORoles in Weather Warnings/Disasters Pre-Event:

- FEMA & State EM Agencies not involved
- Local EMs plan with NWS field offices
- Local EMs & NGOs (Red Cross) provide public awareness materials/presentations
- During the Event:
  - Local EMs coordinate directly with NWS
  - NWS and Local EMs activate numerous warning methods

# Federal, State, Local NGORoles in Weather Warnings/Disasters

- After an Event:
  - Disaster Declarations: Local CEO State
     Governor to the President (Through FEMA regional offices/HQ FEMA)
  - State, Locals, FEMA and NGOs operate from a joint field office to provide resources & coordinate assistance to communities/citizens

## ESSENTIAL LOCAL "PARTNERSHIP"

- Continuing communication between local EM agency and local NWS Forecast Office
- Based on mutual trust, respect and understanding
- Collaboration in preparing the public for severe weather events.
- Real-time interaction during events
- NWS Warning Coordination Meteorologists (WCM) a key element.

# Observations to Forecasts to Warnings to Response

# Observations |









## Forecast Model III Inputs





Precipitation

Snow Pack





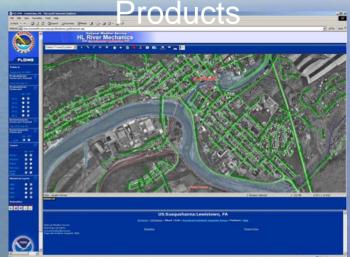
Soil Moisture

River Flow



Coastal Water Conditions

## Geospatial









### Disseminating Warnings along Multiple Pathways



#### Users

- Public
- Emergency
   Management
- Private Sector
- Government Agencies
- Academia

### Methods

- NOAA Weather Radio
- NOAAPORT
- Weather Wire
- Internet
- Emergency Managers
   Weather Information Network
   (EMWIN)M
- Media
- Private Sector





### THANK YOU





**TURN AROUND DON'T DROWN** 

