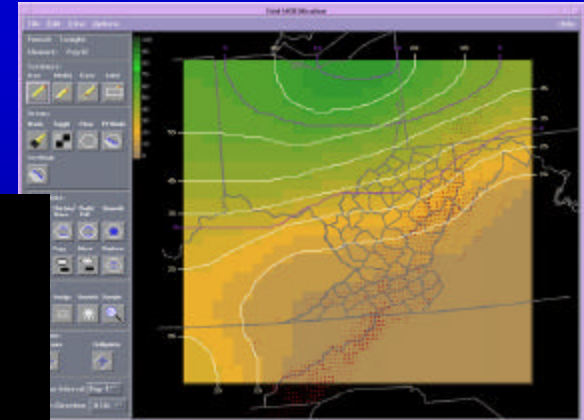
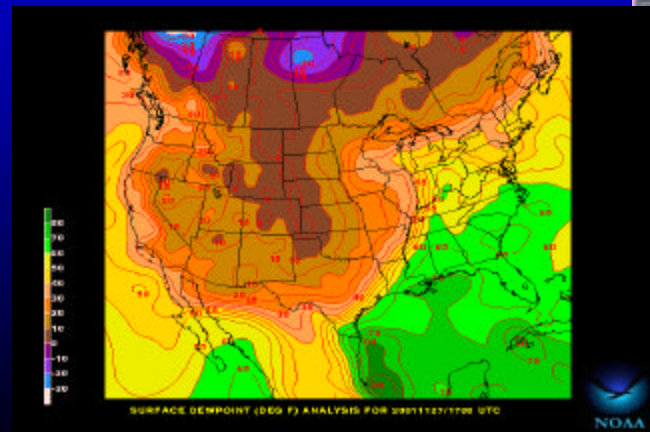
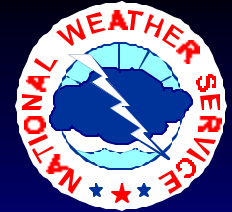
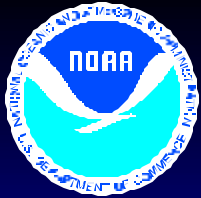


# Interactive Forecast Preparation (IFP) Operations Concept

**A New Forecasting Process to Support  
America's  
No Surprise Weather  
Service**





# From Text to 3Ds: *Digital, Detailed and Displayable*

## Traditional Process

ABOVE 2500 FEET. COLDER WITH HIGHS 35 TO 40. SOUTHEAST WIND 5 TO 10 MPH SHIFTING TO THE SOUTHWESTEARLY THIS AFTERNOON. CHANCE OF PRECIPITATION 70%.



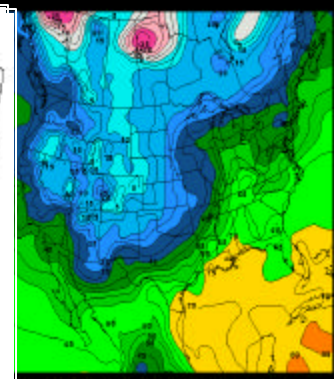
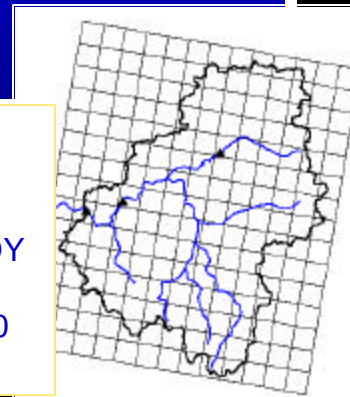
## New Forecast Process

TODAY...RAIN LIKELY. SNOW LIKELY ABOVE 2500 FEET. SNOW ACCUMULATION BY LATE AFTERNOON 1 TO 2 INCHES ABOVE 2500 FEET. COLDER WITH HIGHS 35 TO 40. SOUTHEAST WIND 5 TO 10

MARYLAND EASTERN SHORE

EASTON

PTCLDY	CLOUDY	PTCLDY	PTCLDY	SUNNY	PTCLDY
60/52	63/54	65/47	55/40	55/37	50/33
POP 20	POP 20	POP 20	POP 20	POP 10	POP 10





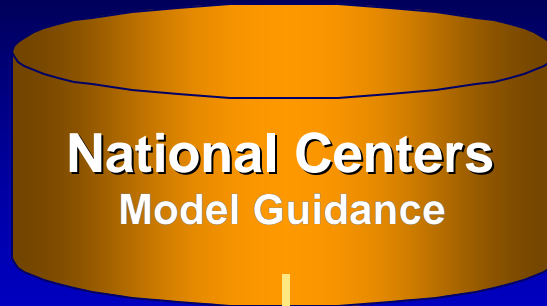
# Traditional Forecasting Process



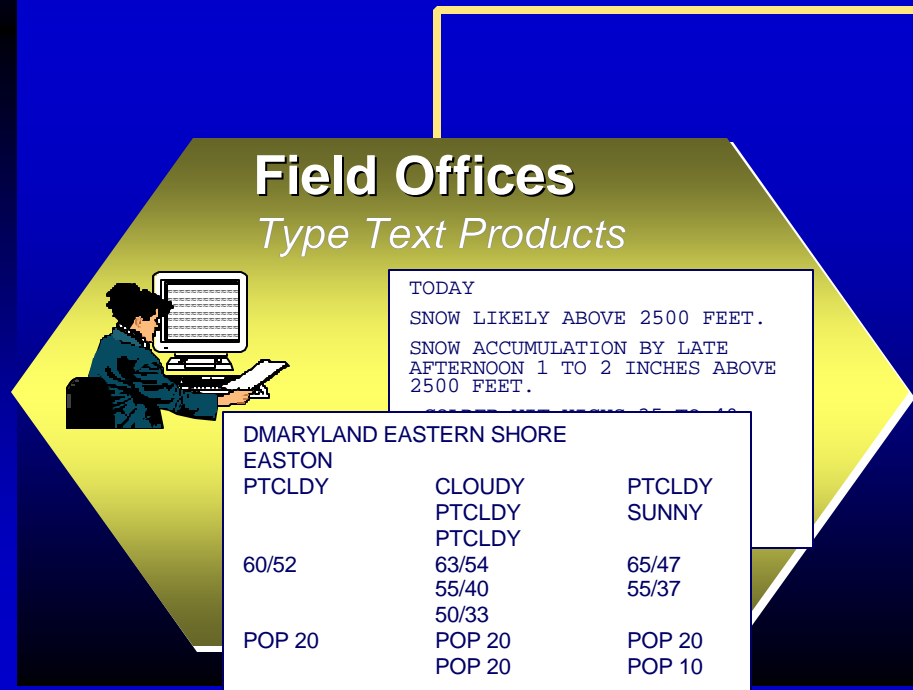
Schedule Driven

•Product Oriented

•Labor Intensive



National Centers  
Model Guidance



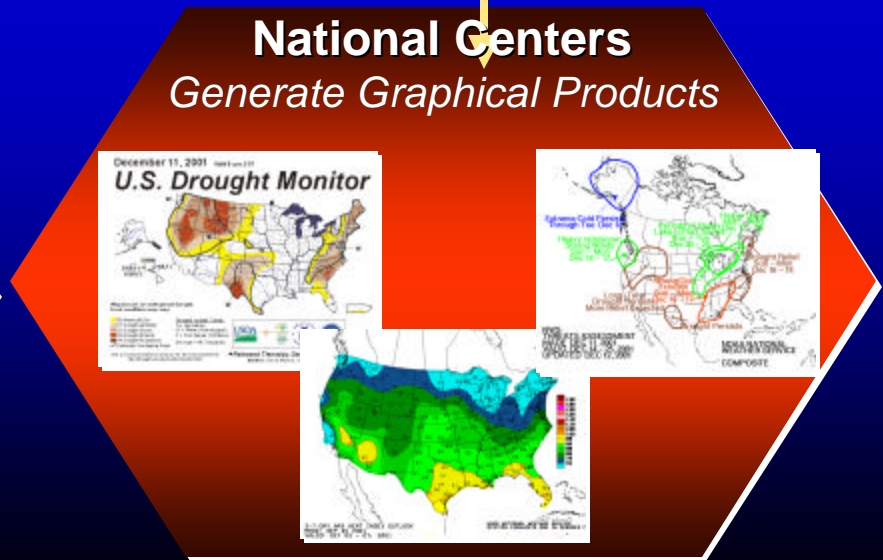
## Field Offices

Type Text Products



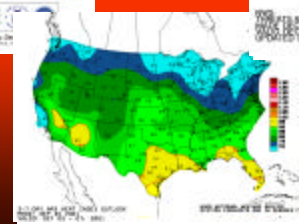
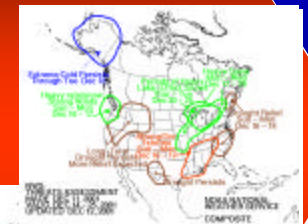
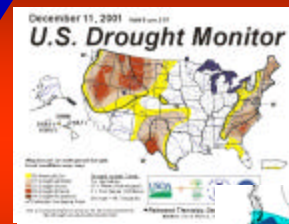
TODAY  
SNOW LIKELY ABOVE 2500 FEET.  
SNOW ACCUMULATION BY LATE  
AFTERNOON 1 TO 2 INCHES ABOVE  
2500 FEET.

DMARYLAND EASTERN SHORE		
EASTON		
PTCLDY	CLOUDY	PTCLDY
	PTCLDY	SUNNY
	PTCLDY	
60/52	63/54	65/47
	55/40	55/37
	50/33	
POP 20	POP 20	POP 20
	POP 20	POP 10



## National Centers

Generate Graphical Products

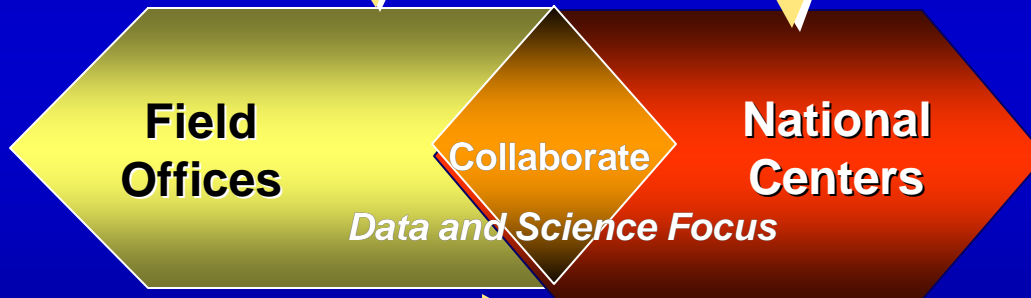
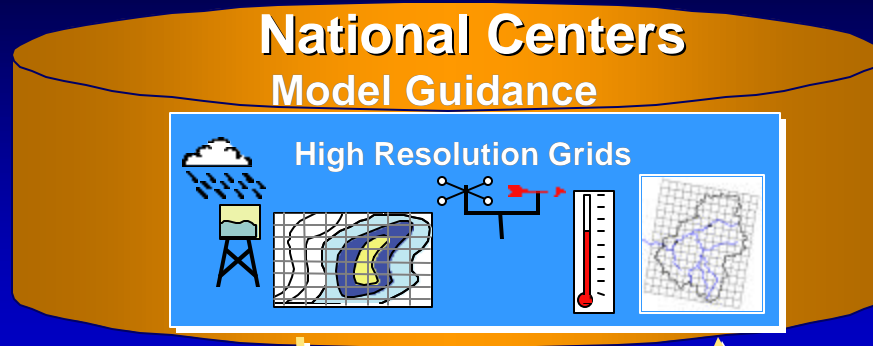




# New Forecasting Process

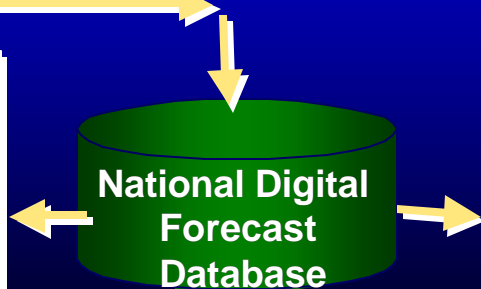
**-Event Driven**  
**-Always current**

**- Interactive**  
**- Collaborative**  
**- Information Oriented**



SNOW LIKELY ABOVE 2500 FEET. SNOW ACCUMULATION IN LATE AFTERNOON TO 2 INCHES ABOVE 2500 FEET. COLDER WITH HIGHS 35 TO 40. SOUTHEAST WIND 5 TO 10 MPH SHIFTING TO THE SOUTHWESTEARLY THIS AFTERNOON. CHANCE OF PRECIPITATION 70%.

This panel shows a weather forecast output. It includes a text box with a forecast, a computer monitor displaying a weather map, and the NOAA Weather Radio logo.

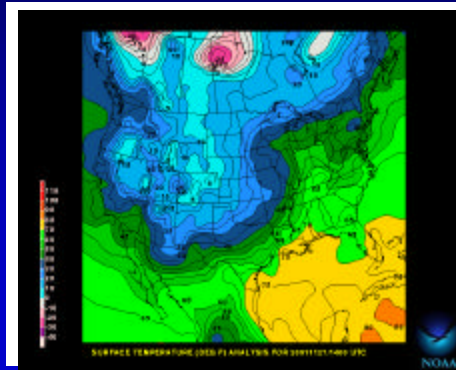


Icons representing forecast dissemination and analysis: a speaker, a film strip with a camera, a lightbulb, a person pointing at a graph, and a computer monitor.

This block contains several icons: a speaker, a film strip with a camera, a glowing lightbulb, a cartoon person pointing at a line graph on a screen, and a computer monitor.



# National Digital Forecast Database Gives Customers What They Want

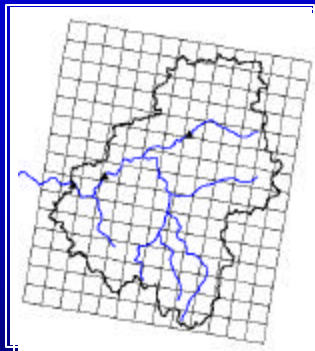


*The public, emergency managers and city planners use WWW, graphic products for detailed forecasts*

✓ More weather data

✓ Higher resolution forecasts

**Different Products for Different Customers**



*Commercial weather companies & emergency managers use grids to generate tailored products*

✓ Visual displays of probability

✓ User-defined products create business opportunities

ACCUMULATION BY LATE AFTERNOON 1 TO 2 INCHES ABOVE 2500 FEET. COLDER WITH HIGHS 35 TO 40. SOUTHEAST WIND 5 TO 10 MPH SHIFTING TO THE SOUTHWESTEARLY THIS AFTERNOON. CHANCE OF PRECIPITATION 70%.

*Radio stations & public read text forecasts*

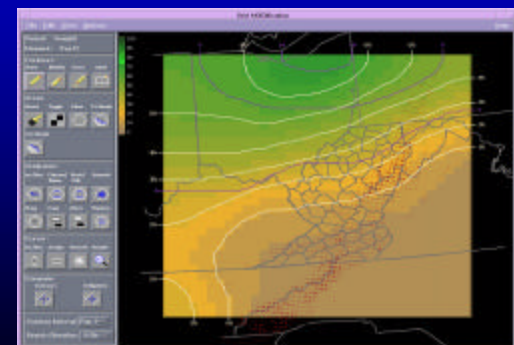


# Interactive Forecast Preparation

- **Key Points**

Implementation of IFPS-based operations requires significant changes to forecast formulation and field office procedures and a significant shift in NWS operational culture and organizational roles.

SNOW LIKELY ABOVE 2500 FEET.  
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PRECIPITATION 70





# Accommodate User Operational Needs Better

- Data access without regard to boundaries between individual field office areas of responsibility
- Minimize forecast information discontinuities along CWFA boundaries
- Digital forecast data and resolution support products and services from local, to national scales
- NWS offices and national centers exchange observation, guidance, and forecast information to facilitate coordination of products and services