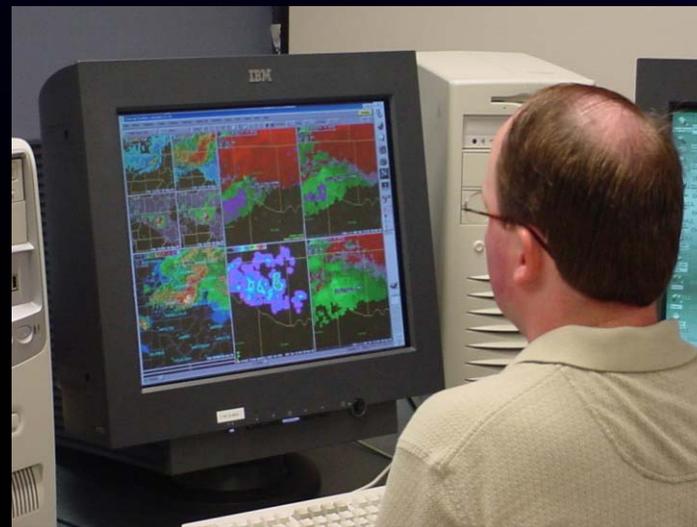




EOS and NPOESS Data to Monitor and Predict Effect of High Impact Weather Events on Urban Regions

SPoRT -- Apply NASA measurement systems and unique Earth science research to improve the accuracy of short-term (0-24 hr) weather prediction at the regional and local scale

- Focus on EOS data, data assimilation and unique modeling - evolve to use NPOESS
- WFOs, other Govt. agencies, private sector
- Severe storms, hazards, tropical systems



SERVIR -- regional visualization and monitoring system for Mesoamerica

- integrates GOES, EOS and geospatial data to improved understanding and decision making
- SERVIR addresses the nine GEOSS societal benefit areas
- used to monitor and forecast ecological changes from events such as forest fires, red tides, severe storms, floods, drought, and ~~other natural disasters~~





EOS and NPOESS Data to Monitor and Predict Effect of High Impact Weather Events on Urban Regions

Demonstration of new capabilities to monitor environment (EOS, etc.) -- SPoRT, SERVIR, other NASA Applied Science activities

Resourceful science / operational weather community - empower them!

Critical issues:

Access to large volumes of real-time data – free “subscription” services by data providing agencies

Availability of value-added products - product exchange “market” and forum for community

