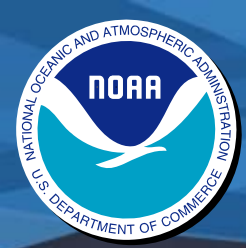


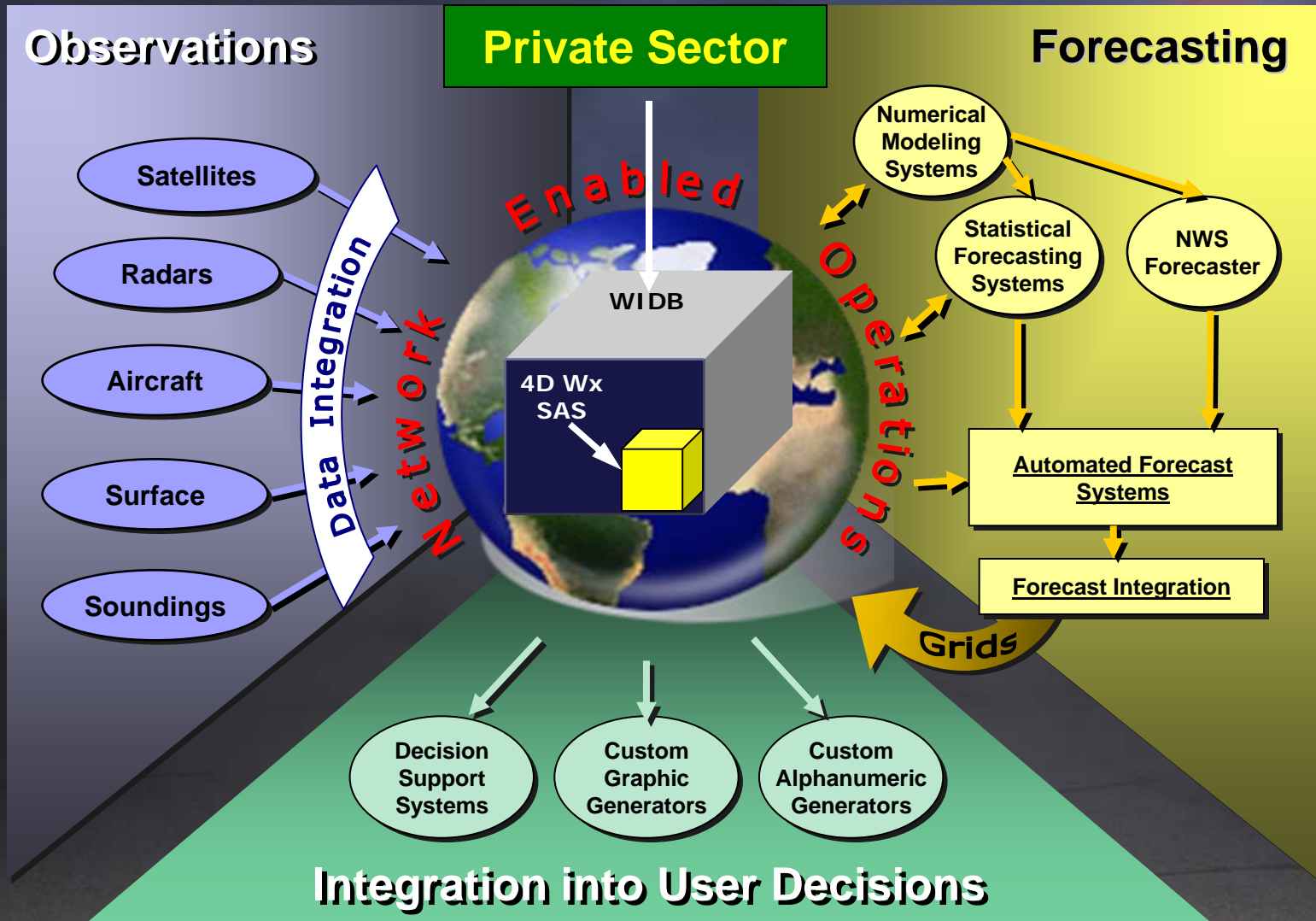
NextGen Weather Update

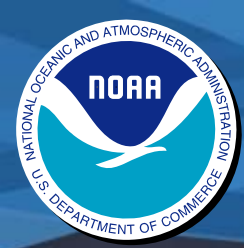
Mark B. Miller

Program Manager



The WIDB: A Conceptual Model





NextGen Roadmap

Task Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
NextGen Weather IOC (2013)	█															
NextGen Weather Intermediate (2016)		█				█										
NextGen Weather FOC (2022)						█										

● Initial Operational Capability (2013)

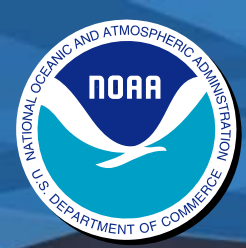
- ▬ *Integrated environmental information sources*
- ▬ *Common data standards and protocols*
- ▬ *Initial integration of diverse weather elements into decision support tools*

● Intermediate Capability (2016)

- ▬ *Improved modeling and science enables higher resolution more accurate information*
- ▬ *Full Network compatibility of environmental information*
- ▬ *Direct integration of weather into Air Traffic Management Systems*

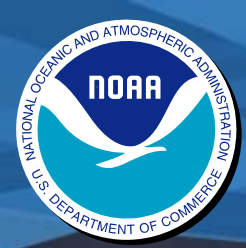
● Full Operational Capability (2022)

- ▬ *All NextGen requirements met and benefits achieved*
- ▬ *High resolution, nested scale forecasts available for all elements*
- ▬ *Full network connectivity ensures consistent information use across service areas and user groups*



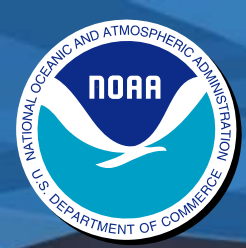
Near-term NWS Efforts

- **Aligning organizational resources and science investments around NextGen**
 - ▬ *MOBI branch to handle obs – model – post-processing end-to-end planning*
 - ▬ *SEC – NextGen IT infrastructure*
 - ▬ *MDL – Transition of new forecast tools to operations*
- **NextGen Program Office**
 - ▬ *More refined implementation strategy and plans*
 - ▬ *New Program Manager as of September 2009*
 - ▬ *Chief Engineer and 3 support staff FTEs in FY10*
- **Outreach – Regions/Center must help define future**
 - ▬ *NextGen web site*
 - ▬ *NextGen Roadshows*
 - ▬ *Corporate Board updates*
- **OCWWS to exploit NextGen investments for broader applications across other service areas**

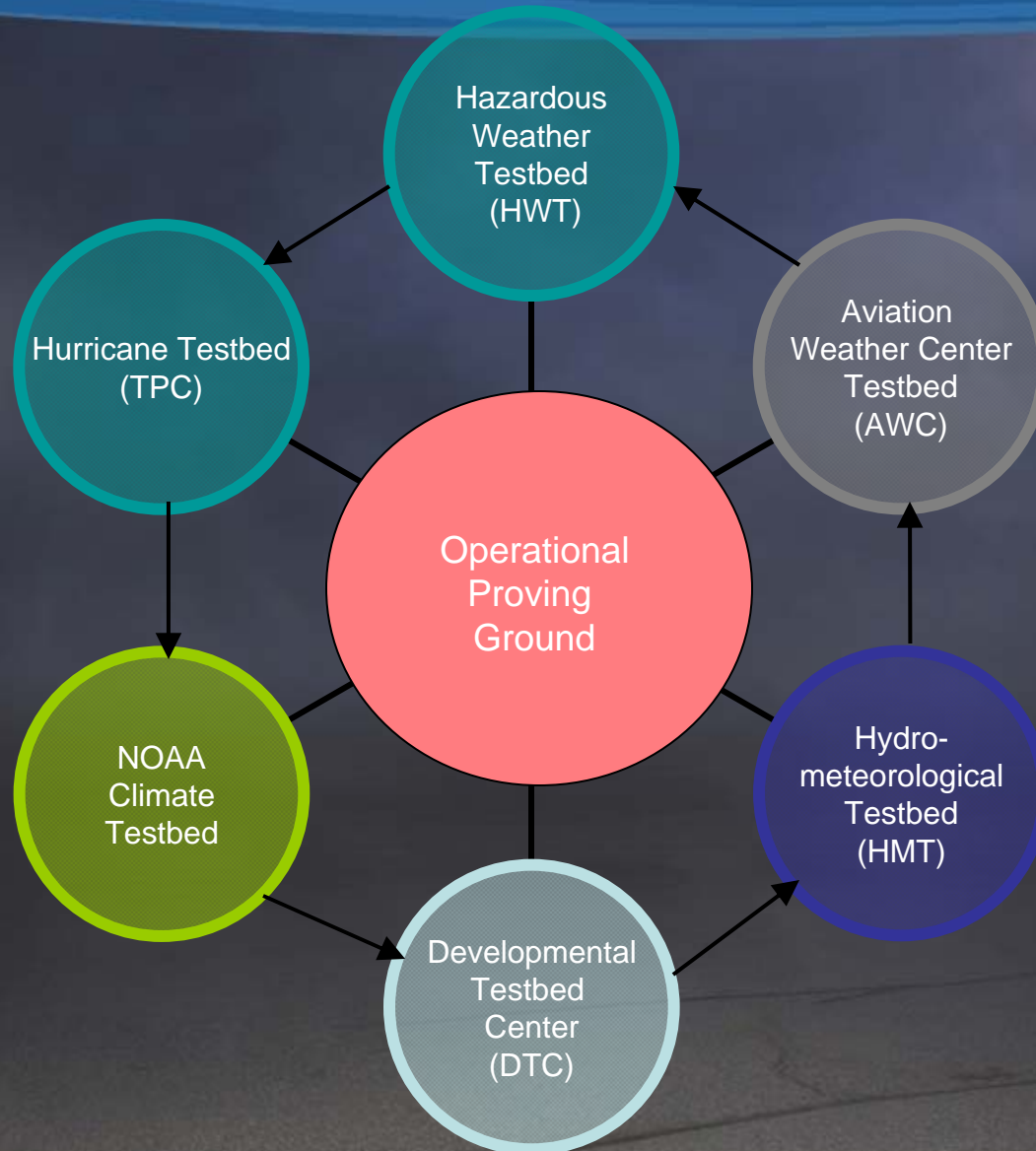


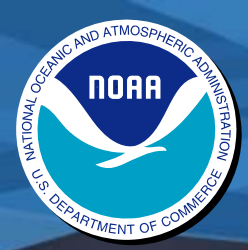
Strategies for Effective R20/O2R

- **Holistic, end-to-end approach that includes modeling improvements, user tool improvements and the interaction between national centers and forecast offices**
- **Test beds and Operational Proving Ground will be built on the AWIPS II and NextGen architecture**
 - ***Common software development platforms (R20 and O2R)***
 - ***Collaboration***
 - ***Data Sharing***



Operational Proving Ground Concept





Questions

