

Development of NOAA Observing System Portfolio Management **Capabilities**

Presented to the Session 11A Commercial and Institute Activities **Enabling the Transition of Research into Operations**

> Thanh Vo, Martin Yapur **NFSDIS/TPIO**

98th Annual Meeting **American Meteorological Society** Austin, Texas



Outline

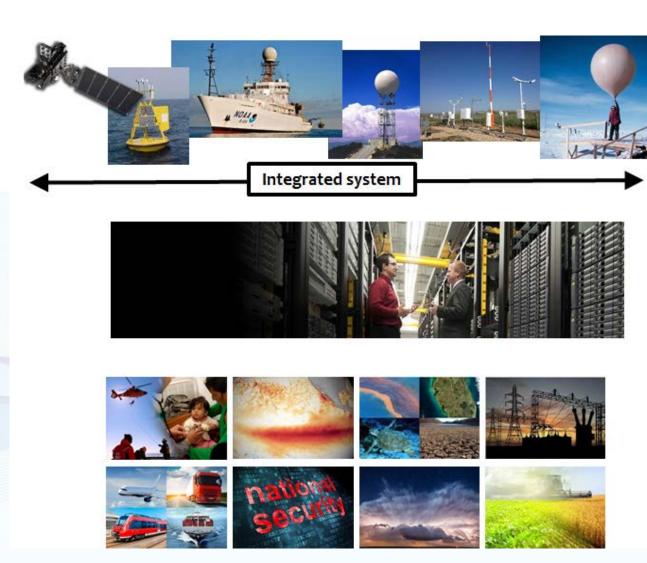


Purpose



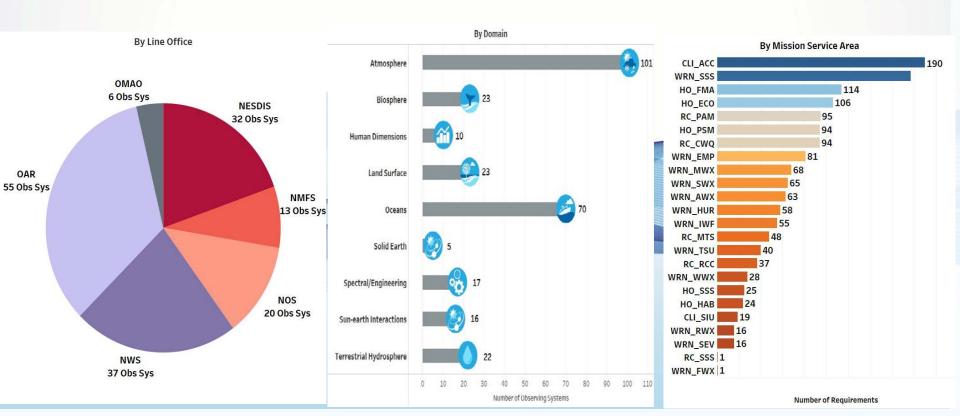
NOAA's Observing System Architecture Portfolio

- "The What"
 End-to-end system that emphasizes performance, output, service and users
- "The How"
 Making decision for best value investment & maintaining performance and reliability of our observing system,
- "The Why"
 An operating paradigm responsive to evolving technologies and economically sustainable in response to an evergrowing demand for environmental information

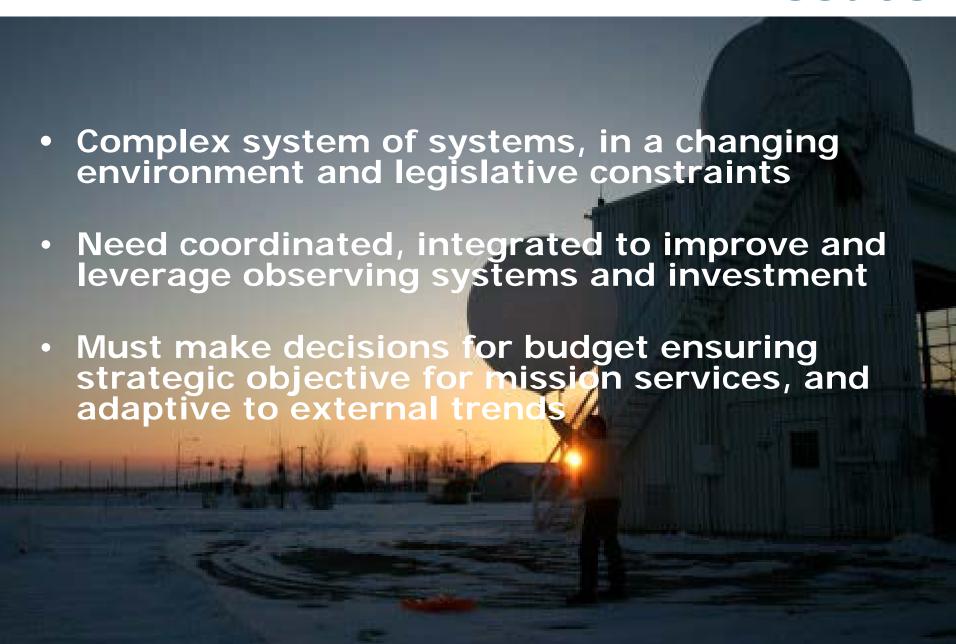


Complexity of NOAA Observing Systems Portfolio

- \$2.5B of \$5B budget
- 174 systems, 1515 Observation requirements (own, partners & leverage)
- 27 mission services areas, to implement 200 legislative mandates



Issues



History of Observing systems portfolio Management

- 1970: NOAA formed from Several independent organizations
- May 2003: NOAA Observing System Council
- 2012. NOSC strategic review
- Jan 2016, NOSC Strategic Retreat



Early Development of Portfolio Management from 2016

- NAO 212-16, Procedure Directives & Technical handbook
- Emerging Technology Workshop
- Improving foundational information (User Requirement and Value Tree and Observing system)
- Developing the annual report for State of NOAA Observing System Health and Risks
- Engaging in Planning & budget process

Experience

 Leadership role: need both Career and political leadership engagement

 Communication & Coordination: roles of the institution (NAO/PD) and the actions

 Adaptive to changes while anchoring with fundamental federal budgeting planning processes, and mission of the agencies



Next steps

- 1. Engage political leadership and the budget cycle of FY20
- 1. Develop the first annual report of State of NOAA Observation Enterprise
- 1. Refresh foundational data for portfolio management
- 1. Develop technical skills
- 1. NOSC facilitates the infusion of emerging technology
- 1. NOSC works with other Councils to support Leadership decisions
- 1. Document and develop technical guidance in a Technical Handbook for NOAA

