



NWS Operations Proving Ground

*Better Preparing the NWS to meet
America's Growing Needs*

Information Brief



NWS Operations Proving Ground

The Vision:

**Preparing today's forecaster for tomorrows
Weather Ready Nation**

- Preparing NWS staff for Impact-Based Decision Support Services (IDSS)
- Effective transfer from Research to Operations for more accurate and timely forecasts, warnings, and information to save lives and enhance the U.S. economy
- Feedback from Operations to Research optimizing limited resources to focus new science and technology research to improve future NWS services



NWS Operations Proving Ground

Benefits:

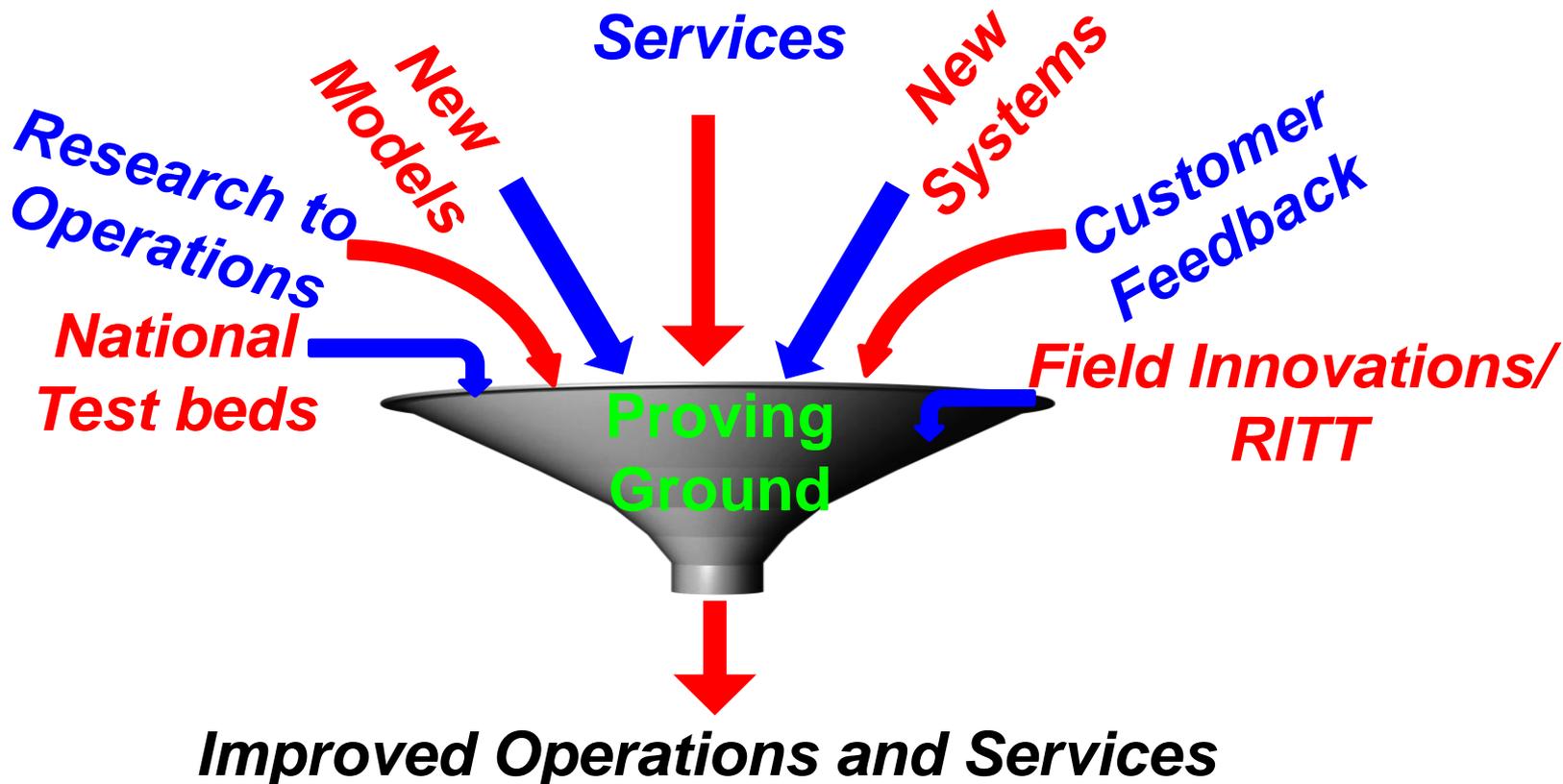
Innovation while limiting risk to mission critical operations

- Build a little...test a little...field a little
- Evaluate human factors/impact to operations
- Customer /field office feedback prior to new service implementation
- Direct linkage to future training needs
- Operational feedback to researchers and technologists

NWS Operations Proving Ground

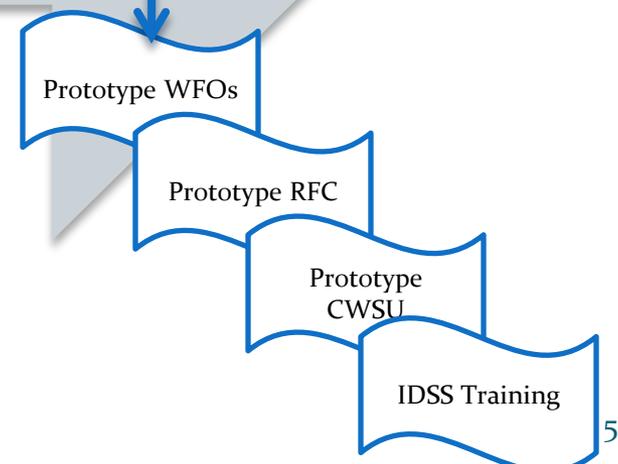
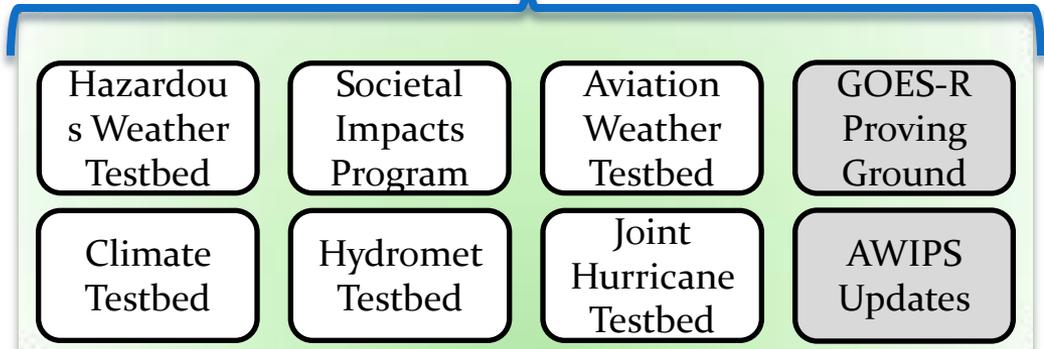
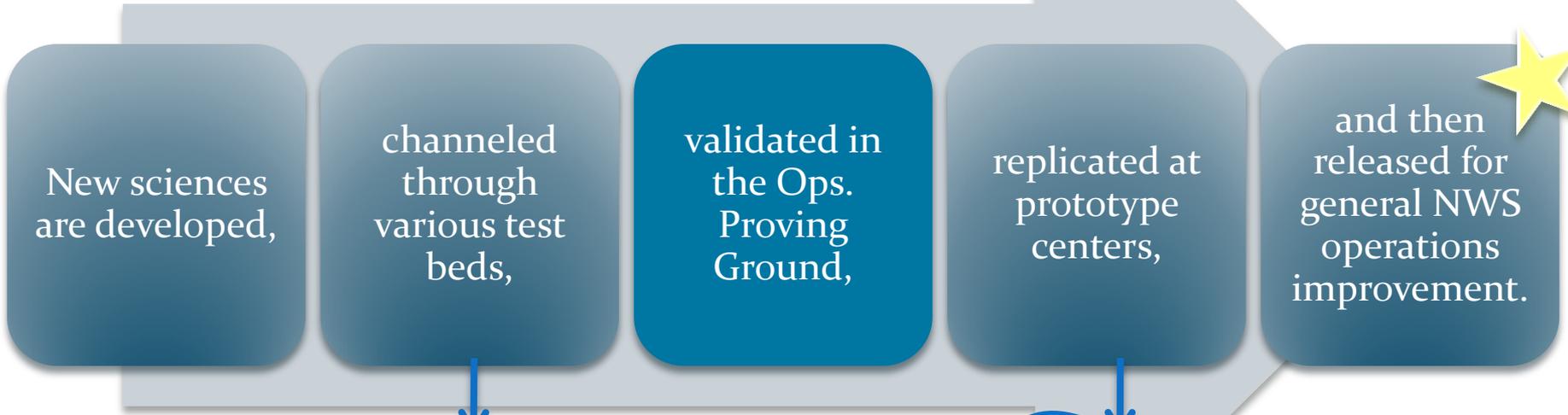
What is it?

Proof of concept prior to national implementation





Anticipated Processes





FY12 Priorities

Laying the Foundation Proving Ground

- Hire Staff
- Order Proving Ground Hardware
- Develop prioritization and governance
- Design Proving Ground Communications with Prototype WFOs



Staffing

Proving Ground Manager (Kim Runk - TDY)

System Admin/IT

Techniques Development Met - 2 (Simulations/Exercises/AWIPS II localization)

Techniques Development Met (satellite CIMSS - Chad Gravelle - Goes R funded)

TDY Meteorologist/Hydrologists (4-week session/4 sessions per year OS&T funded)

FY13 Priorities

Implementation of the Proving Ground

- Complete integration with test-bed activities
- Conduct initial R2O/O2R validation exercises
- Integrate Customer/Partners into exercises

Summary

- Preparing NWS staff for Impact-Based Decision Support Services (IDSS)
- Effective transfer from Research to Operations for more accurate and timely forecasts, warnings, and information to save lives and enhance the U.S. economy
- Feedback from Operations to Research optimizing limited resources to focus new science and technology research to improve future NWS services