An Overall NOAA R2A Context for Testbeds and Operational Proving Grounds

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“No Transitions – No Outcomes”

• **Monitoring**: Need for a NOAA-wide R&D project-level database to monitor and evaluate transition projects to include:
  – Technical readiness levels
  – Deliverables
  – Benefits

• **Management**:
  – Line Office Transition Managers (LOTMs) and testbeds working collectively with the structure of the NOAA Research Council
  – Testbed and Operational Proving Ground Coordinating Committee reporting to the LOTMs
R2A Life Cycle/Process

• Planning (SEE process IPs, transition plans)
• Testing and demonstration (testbeds)
• Measuring (societal impacts)
• Transitioning to applications (operational proving grounds)
• Documenting (success stories, publicizing, archiving)
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The Partners

• The NOAA Science Advisory Board – looking over our shoulders with their current R&D review and many other smaller reviews
• Joint testbeds with other agencies
• The private sector:
  – The Presidents tech transfer directive
  – Office of Research Technology and Applications (ORTA)
  – Cooperative Research and Development Agreements (CRADAs)
  – Small Business Innovative Research (SBIR)
  – MOUs and patents
  – Intellectual property
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Issues and Challenges

• Transition of observing systems – a large portion of NOAA’s budget
  – How to assess observing systems for operational use?
  – GOES-R Proving Ground
  – The JCSDA
  – The OSSE Testbed
  – Each addressing a part of the yet-to-emerge Quantitative Observing System Assessment Program (QOSAP)

• Documenting activities, particularly successes of TBs and PGs

• Integrating social science into the R2A (TBs and PGs) process