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Sommario/riassunto

This workshop report examines the capability of the forecast system to efficiently transfer weather and climate research findings into improved operational forecast capabilities. It looks in particular at the Environmental Modeling Center of the National Weather Service and environmental observational satellite programs. Using these examples, the report identifies several shortcomings in the capability to transition from research to operations. Successful transitions from R&D to operational implementation requires (1) understanding of the importance (and risks) of the transition, (2) development and maintenance of appropriate transition plans, (3) adequate resource provision, and (4) continuous feedback (in both directions) between the R&D and operational activities.
