## Developing a Mesoscale Atmospheric Model for the PWS with Nowcasting/Forecasting Capability

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### Scope of Work:

The objective of this ongoing project is to develop a high-resolution numerical weather simulation/prediction system for the Prince William Sound region. At the heart of this system is the Regional Atmospheric Modeling System (RAMS), a multi-purpose numerical prediction model. The proposed modeling system uses real-time observational data sets and large-scale forecast model data obtained from the National Weather Service and some other sources to build initial and boundary conditions for RAMS simulations. The RAMS forecasts are available in the form of graphical products on the Alaska Experimental Forecast Facility web page. Gridded data sets are also available for use by researchers. This atmospheric model is linked with the ocean circulation model for Prince William Sound.