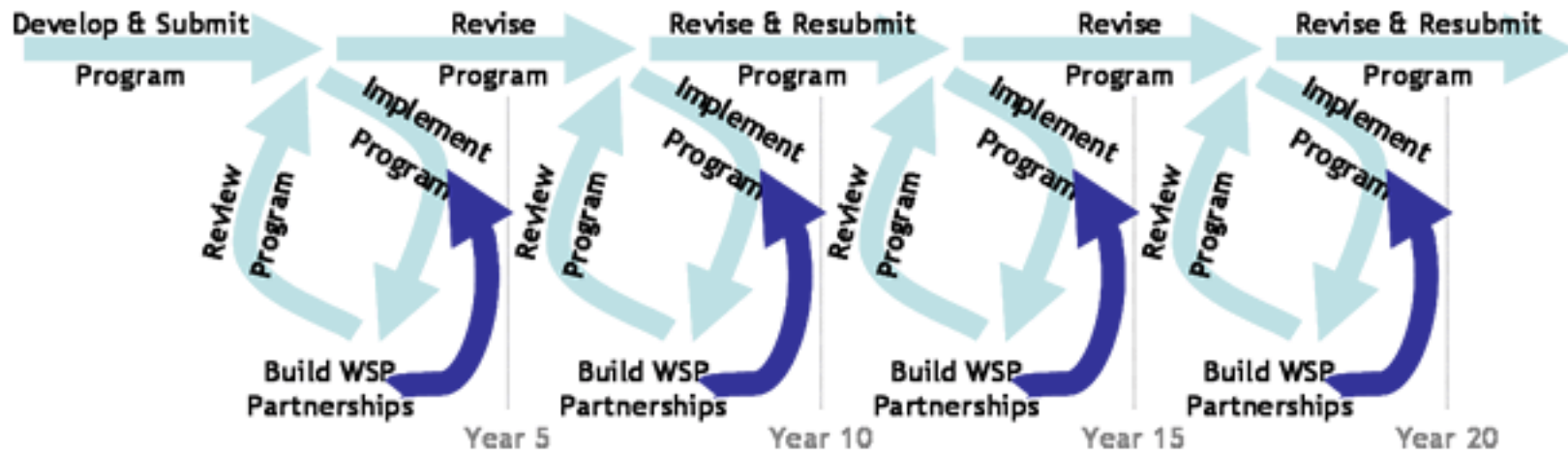


Case Example: Virginia Water Resources Planning

In the spring of 2010, hydrologic models were established by the state for each major river basin in the state. As each local or regional plan is developed, a model container is generated of the planning unit's 30-year water supply planning alternatives. This forms the basis of an on-line decision support system for collaborative modeling.



This on-line collaborative modeling tool provides a frame of reference for diverse stakeholders to balance the water needs of these often conflicting beneficial uses and provides an opportunity for the state to build state and local water supply planning partnerships. This approach supports locally delegated, state mandated water supply planning, allowing stakeholders to conduct "what if" scenarios related to vet future water supply alternatives to determine their impacts on water allocated for other beneficial uses, their associated potential for conflicts, and their ability to optimize the benefits among multiple uses at the regional or basin-wide scale.

The diagram of the collaboration model displays the feedback relationships between the program and building relationships. Initially, the program is developed and submitted, then implemented and reviewed. This stage feeds into revision, implementation and review, which feeds into continuing phases of revision, implementation and review of the plan. Throughout this process, relationships in water supply planning are built and enhanced as partners continually work on the water resources plan.