

# Proposed Model Registry Pilot Project

## Objective

To demonstrate a pilot IWRSS model registry making use of the Hydroshare platform and deliver a report outlining minimum metadata requirements and documenting lessons learned.

## Activities

The project team will:

- develop a strategy for identifying an initial model population set from one or more agencies to form the basis of an initial registry prototype,
- agree upon and document the minimally acceptable requirements for metadata to be included within the prototype registry,
- demonstrate an prototype model registry,
- outline initial recommendations for future registry development or deployment and document lessons learned from the pilot project activity.

## Deliverables

By March 2018, the team will deliver:

- a prototype registry using an initial sample population and
- a report summarizing the team's efforts, including those minimally acceptable requirements which informed the initial models selected for the registry and lessons learned from initial registry deployment.

## Outcomes

This initial registry pilot project is a key step towards demonstrating the interoperability of systems, data flows, and services of the IWRSS member agencies; and facilitating reuse or repurposing of existing models and data across applications. Requirements for metadata and candidate models for inclusion in the prototype deployment will inform interagency data calls for additional contributions to the registry beyond the initial population towards a full registry deployment.

This demonstration effort would also enable a future chartered Deployment Team to more fully prescribe the procedures and workflow for populating, updating, and maintaining a model registry based on initial or an expanded set of requirements, and determine the required resources to implement, maintain, and sustain such a registry.

## Resources

The only resources required for this demonstration effort would be the work time of 2 or more team members from each IWRSS agency at 25% of their time for 3 months. It would be recommended that at least one member from each agency should have strong experience with H&H modeling to facilitate model selection.