



ESRI Australia

Putting knowledge into place

Training

Course Description

ArcHydro: GIS for Water Resources

Description

ArcHydro is a geodatabase design and a set of accompanying tools geared for support of water resources applications in ArcGIS environment. This three day course presents the ArcHydro data model and tools, and shows how to implement them through a series of real world examples.

The first day presents an overview of the data model and the tools, while the second and third days go into the details of ArcHydro implementation and hands on operations. Both surface water and groundwater components of the ArcHydro data model will be covered. The participants will learn the basic principles of ArcHydro data model, how to extend it, and how the ArcHydro tools manage and use the data model. Moving beyond the basics, the course will, in its second and third day, provide hands on, real-world exercises through which the participants will be able to apply the new knowledge. Advanced topics on customization of ArcHydro and external model integration will be covered as well.

All participants will receive the “ArcHydro: ArcGIS for Water Resources” book by D.R. Maidment and accompanying CD with the tools.

Topics

- Understand ArcHydro surface water and groundwater data model
- Extending ArcHydro data model
- Core ArcHydro tools functionality
- Advanced ArcHydro tools functionality
- Combine ArcHydro data structure and tools for solution of real water resource problems
- Extending ArcHydro tools (development of custom functionality)
- Integration of external models into ArcHydro

Audience

The course is targeted towards general audience interested in water resources applications of ArcGIS who want to get a hands on training in ArcHydro implementation.

Prerequisites and recommendations

General GIS and/or water resources background. Familiarity with ArcGIS (ArcMap in particular) desirable but not required.

Duration: Three Days