

## **Design the Geodatabases for Institutional purposes**

A new Geodatabase format for storing and managing the spatial data within the research and teaching academic environment is discussed. The pros and cons of this format for sharing the data interdisciplinary between several schools, centers and departments are analyzed. The necessity and importance of creating a REGIS – Research Enterprise GIS structure within the Academic Institutions is proposed. In the presentation the ways to create REGIS are outlined, and the role of Personal and Enterprise type Geodatabases are discussed. It is outlined that within the diverse and interdisciplinary academic environment a new Geodatabase format as well as a built-up REGIS structure help to gain success in providing, updating, and sharing data, as a result - completing sophisticated multidisciplinary research projects as well as enhancing teaching/training capabilities and providing service to the University facility management and emergency units as well as local/regional/state governments. Several examples of successful implementation of a GDB formats and REGIS structure in George Mason University are demonstrated.