The term paper I am looking to implement is related with sediment deposition in small reservoirs. East Baton Rouge has 4 small dams for different purposes such flood risk reduction, recreation and other purposes. These structures are under supervision of the state, federal or local government institutions. The tentative research topic will try to compare the efficiency of GIS based life-time estimation against the bathymetric data available. For that satellite imagery as well as bathymetry data will be used in order to make the comparisson.