

Manuel Oliveira

National Laboratory of Civil Engineering

Manuel Oliveira is a research officer at the National Laboratory of Civil Engineering (LNEC), PhD on Hydrogeology, working in the expertise areas of hydrogeology (groundwater availability, protection, vulnerability and risk, and numerical modelling), and of the information technology (geographical information systems (GIS), geographical data modelling). His skills include programming of applications related to water in Visual Basic, Arc macro language (for GIS), and Model builder (for ArcGIS). Recently he participated in the conception and development in GIS of a methodology to delineate inundation areas caused by dam break using low resolution information data. The activity is spread by more than 80 LNEC reports, more than 75 communications in scientific meetings and more than 30 papers in books or journals.