DATAMART FOR THE CASE OF EMERGENCY MANAGEMENT AGENCY (EMA)

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ABSTRACT

Since we do not have a centralized database for data management within the Emergencies Management Agency (EMA), there is a great delay in the exact data entry in real time. From all these departments within EMA, we have difficulties in quick and accurate notification regarding their generated data. This necessarily represents the need for data integration from all these sources, creating thus a unique communication system for EMA itself. Aside from data integration and building the DWH system, it is also needed the actual databases modeling which are built or must be built in EMA's own departments, this can be achieved by studying the DataMart model, and all the processes that will make possible the information gathering from the original sources, and the transformation and upload to the destination. So EMA can facilitate the decision making process in situations when it is directly involved in managing natural disasters, and such situations must often be continuously monitored in order to provide warnings and to take adequate measures for the management of natural disasters. Today, more than ever there is a great need to create a coordinated institutional system with all the resources and capabilities we have available to be prepared and to react in coordinated and planned ways in case of natural disasters and other incidents.

Keywords: Data Warehouse, Data Modeling, DataMart, Natural disaster management.