

Integration of a Solution GIS Internet-Modular Type for a Collectivity

Boualem CHORFA, Algeria

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SUMMARY

The Geographical information Systems are today in dissociable of the management of the territory. Every collectivity that has means to carry such a tool is going to try to develop the adapted applications has its own needs. Solutions are numerous on the market. One especially notes a growth since some years of software of GIS planned to function on Internet. It is certain that this concept is very appealing because it permits a fast information exchange, and especially a storage of data on an available unique station simultaneously by several users. Again it is necessary that the application centers with requirements of the aforesaid users. These can be the territorial civil servants charged of the management of possessions of a township, as they can be simple individuals anxious to find on the WEB services that can propose those of a town hall or a union of initiatives...

A possible solution dresses a particular shape: it is about an application modular GIS, where each conceivable theme been the object of a survey to part. Interests are numerous. They found on the universality of themes that one meets in each township of small or middle importance. While constructing the thematic modules referring to possessions gérableses of a collectivity type, one can already propose a solution ready at any customer. According to its choices, this one can integrate in a «setting» containing between other tools of cartographic navigation and the global interface of the GIS, all themes wanted, with the possibility to add some thereafter. It thus designs module by module its own application.

However these modules must answer certain criteria. They must be inter alia independent all while being complementary. They must also be able to be adapted individually according to requirements' not envisaged with the base. We try to have only one interface for all our themes. Another problem is posed by the time of software reaction. Some tests achieved on Internet sites of townships provided of a GIS indicate a certain slowness even with a connection high flow like the ADSL. The reliability of this work was reached by an application which aims at the realization of a WEB interface of the Arzew township (Northern West of Algeria).