Approach of a territorial informative system in a commune less than the 5000 inhabitants, readied in open Source, Grass: behavioral and good pattern realization practice.

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Initial description of the intervention…

The situation of the use of the open source the public administration is still not suitable to the real possibility and potentiality. The not suitable and complete use of this, is a problem for the public administrations on which we have opportune concentrated about to deepen that are the real impediment that cause a not wide application, appraising that the problem is of ethical order and not only economic. In this context is looked for to adjust the intervention observing as an use approach of the Open Source was able it be suitable to a reality of P.A. and in particular to a small common with less of 5000 inhabitants. The first step has is been scanned during year 2004 a series of reports relating to the use of GIS packets used in the public administrations, and in particular in the commons offices. It's possible sustain that the situation is similar to what happened for the suite of office automation. It's appeared that the PA not sustains the use of open source in suitable mode, but it invested, when be able to do, in buy and following installation of like-vendor what hock the administration to burden of license, maintenance and formation costs that often it cannot supported from communes of little dimensions and with limited funds. This job in collaboration with the municipal administration of Salcedo, that thank for the concession of the alphanumeric data, of the sources, is oriented to develop a model for the realization of a path of good practice. This will allow a better management of the territory, a saving on the operating costs, an effective intervention in terms of e-gov for an application also in commons more great. During the last year we have effected the inspections, into common of Salcedo and we have picked the informations about the better use of the data, in particular for satisfy the requests of the tribute office and of the technical office, to appraise the intervention on the road network, on the zones where ara the urban areas, the ex-rural buildings, with a purpose to avoid the elusive episodes, besides we have made relief jobs of the geographical location of the infrastructure (manholes and lamp-posts by GPS). The point gotten by the GPS relief of the manholes and lamp-posts is been effected with palmar station Dell Axim 5 connected spar to GPS card. The processed datas are acquired in Grass, under form of sites file., we have measured the distance of the whole net that it is subsequently compared with the furnished data from the corporate and from the other sources. We have then simulated the creation of an intervention set news on the road network with the presence of other light point and with other points of technological infrastructures. We have besides dotted our attention on the difficulties that we have met with the personnel of common. We are been benefited from the fact that was a small number of people. The problem that we have faced it was that of the formation. The personnel are not adequately prepared for the use of packets in english language, besides a certain difficulty to use of Linux. Another problem is been that of the installation of the whole packet. An important thing is been that relatived to the installation of the informations on special server.