

Spatial Information Management Knowledge, Organizations and Tools

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Key words:

ABSTRACT

Spatial Information Management (SIM) seeks for data, but also for knowledge base. The main categories of partners involved are Customers – Business – Government (C-G-B). What do they know / expect from each other? How do they cooperate / interact? We should know it and we should share our knowledge about it.

Spatial Data Infrastructure has to be enlarged to *Spatial Information Infrastructure* and finally to a *Spatial Knowledge Infrastructure*. This paper focuses on a proposal to create focal point for a knowledge base providing information about the essential elements of SIM in different countries. Until now, an effort was made to have a systematic and standardized registration of the relative information included in FIG Com3 annual national reports. The structure of a Data Base with information derived from various countries that have developed National Spatial Data Infrastructures, at different level each, proves the need for a GIS structure. Moreover, the possibility of opening this information, and having it available in the Internet, allows the sharing, using and continuous updating of information by all interested partners C-G-B, internationally. The network-based architecture for Geographic Information Systems has already been applied in various fields. Commercial systems, like ArcIMS of ESRI, are being used for developing such applications in the Internet.

The suggested application will increase the knowledge about “what is needed” and “how does it develop somewhere else”, in order to facilitate a more harmonized development by increased awareness and opportunities for cooperation on multi-national projects. An example of the suggested system is given.

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