

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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BIOGRAPHICAL NOTES

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Since 1982, she has worked as a professional Surveyor Engineer in Greece, mainly in Photogrammetry and Urban Planning studies. Since 1993, she works at the *Lab. of Photogrammetry of NTUA*, teaching Photogrammetry, Cadastre and Cartography and participating in research programs. Her research activity focuses on the fields of Cadastre, GIS, terrestrial and digital Photogrammetry. For the periods 1992-96 and 1996-2000, she is elected member of the Council and Treasurer of the Hellenic Society for Photogrammetry and Remote Sensing. She speaks: Greek, English, German. For the period 1994-97, she worked for CIPA, as secretary of the President (International Society for Architectural Photogrammetry). She has organized national and international meetings and seminars in Greece. Since 1982 she has participated in many FIG (com7 and com3) and ISPRS meetings presenting her work. Since 1998, she works as *Technical consultant at Ktimatologio SA* (Hellenic Cadastre) and participates in UN-ECE.-WPLA and EuroGeographics meetings. She is delegate of the Technical Chamber of Greece in FIG general assembly and she is also active in Com3, as chair of WG3.1.