



Doctoral Thesis Title: The INSPIRE directive in the local administration: a threat or an opportunity?

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Abstract:

The main European INSPIRE Directive goal is to set general standards in order to establish a Spatial Data Infrastructure (SDI) at European level. Although the focus is the community policies related to the environment application, it also includes transport, agriculture and energy. INSPIRE doesn't want to collect new spatial data sets, but to harmonize existing data, improving its accessibility and interoperability.

Considering the geographical data fragmentation and homogenization are one of the big problems in Europe, the directive has established some fundamental principles. These principles establishes that geographical data must be collected only once and kept where it can be maintained most effectively, cross-border management is ensured, and the data correct overlapping. To achieve these goals, there are some implementations to define data specifications and set publication standards.

LISIGE, the transposition into Spanish law, establishes the Directive principles must be applied by all administration levels, also local entities. In addition, also specifies that local administrations must produce essential geographic information needed in order to carry out its functions.

Considering the territory management does not have, or should not have, administrative boundaries, the INSPIRE goal is absolutely necessary. The important question is if the local administration can take on the costs in complying requires, if it has the resources needed and if it will get some benefits.

This research work tries to analyze the possible implications of the directive compliance by local administration. At the same time, detecting the obstacles that may be found and the possible advantages can be derived. Therefore, it will study the spatial data infrastructure (SDI) at the local level and its essential components, determine standards publishing local geographical, study data specifications involved and the process for data transformation. Finally it will analyze the cost involved complying the Directive and the available resources with this administration level. In summary, this research will analyze threats and opportunities that may derive from the Directive application at the local level.

Available Means:

Computer equipment, as well as access and use the services of Geomatic Engineering Department at the UPV.

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