

Recognizing the Success of Spatial Data Infrastructures

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SUMMARY

Public organizations such as National Mapping, Cadastre, and Land registry Authorities have invested a huge amount of time and money in developing their Spatial Data Infrastructures (SDI) so that they can provide users spatial information and services that are based on international standards and that users need. Until now the success of an SDI has mainly been assessed by criteria such as number of spatial web services and spatial data themes as well as number of requests sent to the services. Now there is a need to analyze better the impact of SDIs so that the economical and societal benefits could be recognized.

A method has been developed to define impact indicators, automate data collection for indicators, analyze the data, show the impact on a dashboard and give recommendations for further development. The definition of indicators is based on the strategic goals of the organisation and a meter for each indicator is set. The data for the indicators is collected automatically from web maps, spatial web services and automated surveys. In addition third party data is used to analyze impact of the SDI. The indicators are visualized on real-time dashboards that can be both internally and publicly available. This increases the transparency of the operations of public authorities. Based on the impact assessment recommendations on further development how to enhance the value and impact of the SDI are given.

In the presentation we show the impact assessment of one customer case.