The Growing Role of Europe with High Value Datasets and the Digital Transformation of the Spatial Data and 3d.

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SUMMARY

Interoperability of geospatial data has been a target for many research and stand-ardization activities since 1980. In recent years standards and tools have developed. Inspire-, Core data-, High Value data standards have been implemented and European monitoring shows that interopeability improves. More datasets are open and available. Using the OGC standards makes integration easier. The European Commission is supporting projects who implement these standards.

In this abstract I will go into more detail of 2 of these EU sponsored projects: GeoE3 (Geospatially Enabled Ecosystem for Europe) and OME (Open Maps for Europe). The project GeoE3 is developing an integration platform with a number of tools enabling utilization of geospatial data for a number of use cases like solar energy potential and energy efficiency of buildings. By using the OGC API features standard it is possible to view datasets crossborder like 3D buildings.

OME is using the latest standards of different data thems and harmonise them between countries. This large scale dataset containing many countries of Europe can be generalised into many small scale maps. Using a cloud based quality assessment tool developed by the project is providing the same data quality within many countries.

This paper addresses how the data form European NMCAs and their services could become part of the European data spaces and how thwe could work improving data management, services and data integration with other data. The European data strategy with High Value Datasets are important aspects in this path and projects like GeoE3 and OME are supporting this goal.

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