

EFGS 2022 Conference

Towards standardised geospatial statistics

(Virtual, 27-28 October 2022)

TITLE: Standardised geospatial processes in Statistics Finland's statistical production

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ABSTRACT: The GEOSTAT 4 project produced the first draft of the GSGF Europe reference architecture. The reference architecture gives the geospatial statistical community the same view of their operating environment, discusses the same concepts and builds solutions on the same common base¹.

Statistics Finland has renewed production in recent years and present production relies on shared architecture. Statistics Finland's architectural principles govern the processing and storage of data. According to the architectural principles, Statistics Finland's data are processed and stored only once for all statistical and information processes to use. In accordance with these principles, Statistics Finland's geospatial data are centralised in the geospatial data repository and generic services have been implemented to handle repeated processing phase tasks. Geospatial data are not stored in any processing phase data reserves, but they are retrieved from the geospatial data repository, which ensures high quality and coherent location data across different statistical data sets.

Statistics Finland's Business register is the base for the organisational data repository and also serves as a source for all statistical processes utilizing business information. The Business register was integrated into the geospatial data repository during 2021. This improved the quality of the location information of organisational data, enhanced Statistics Finland's statistical production and increased the integrability of business data relative

to other unit level statistical data. The presentation explains in more detail how the change in the organisational data repository was implemented and what its implications were on quality.

KEYWORDS: GEOSTAT 4, business register, enterprise architecture, geospatial architecture

REFERENCES

[1] GSGF Europe's Geospatial reference architecture.
<https://www.efgs.info/gsgf-europe-geostat-information-service/geostat-information-service/methodology/>