Smart Mapping - the new VectorTiles Map of Germany

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SUMMARY

The project Smart Mapping tries to answer the ongoing question on how the official topographical map of the future will look like. Worldwide, the trend is emerging that the focus of official cartography will lie in the flexible and mobile Web presentation of spatial data and not necessarily in the production of printed maps. Considering the diminishing human resources, official surveying relies increasingly on the use of modern technologies and centralized processes for the development and provision of quality-tested standard products of the German authoritative surveying (AdV). The AdV plenary has set up a working group on "Smart Mapping", in which the federal (Laender) and state governments are jointly developing a procedure, which will allow automated production of various cartographic products (fully automated, without interaction) on the basis of official geospatial reference data. In doing so, multiple requirements must be taken into account, such as actuality, nation-wide uniformity and flexible extensibility. Based on the concepts developed last year, the working group "Smart Mapping" has recently set up a beta version of a web-based vector map (based on VectorTiles), which is described in this paper.

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