Automatic methods for the fusion, reduction and consistent combination of complex heterogeneous geoinformation

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Today, terms like "location based services" and "mobile computing" are actively discussed in the scientific community. In the near future, devices and appropriate geodata will become available to support such functionality for end users - both being of significant economical im- pact. Even though technical aspects like transmission speeds, mobile computing power or quality and size of displays are of importance, the main and also most critical aspect is if appropriate contents can be offered for location based services. These contents consist to a great extend of geospatial information or at least information linked in one or the other way to objects or locations in the real world. It is, however, evident that geoinformation is much more pretentious to han- dle than information without spatial context. Acquisition, update and combination of geoinformation all require substantial efforts in time and cost. This is especially true for geoinformation in three dimen- sions. The general aim of the junior research group is to investigate how data from different origins can be brought together in order to obtain highly automated processes for the extraction of geoinformation in the context of topographic objects.

Projektbeteiligte

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