

BGT, the realisation of a Key Register of Large Scale Topography in the Netherlands

RUUD VAN ROSSEM¹

Extended abstract

In The Netherlands a number of Key Registers are operational. Key Registers are registers of e.g. persons, organisations and buildings. They are used on all levels of government and this use is mandatory. One of these Key Registers is the Key Register of Large Scale Topography (BGT: Basisregistratie Grootchalige Topografie, Fig. 1). It is a detailed base map at a scale of 1: 1000. This Key Register has been realized between 2008 and 2017.

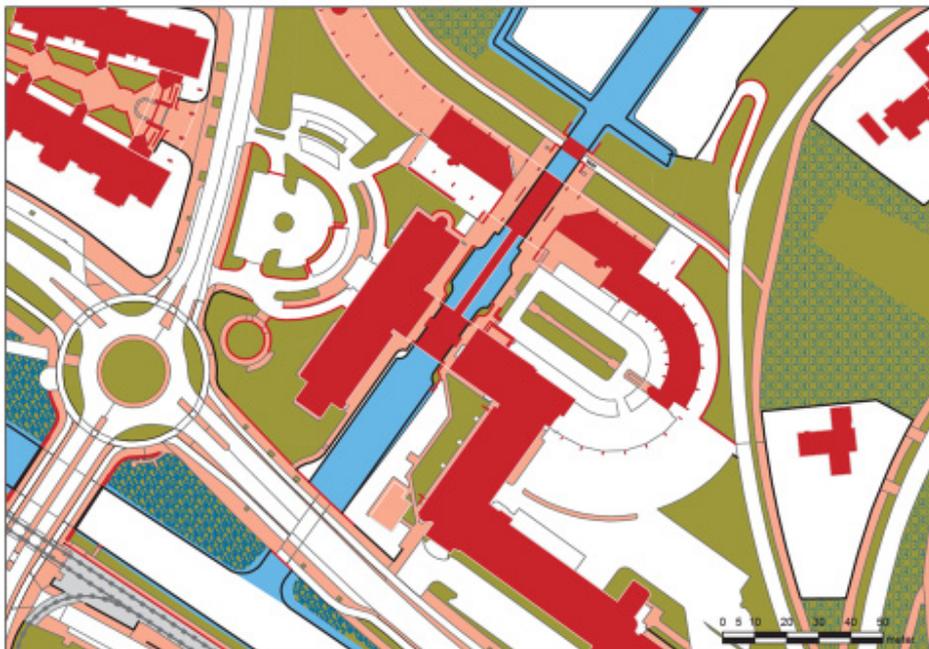


Fig. 1: An example of the BGT

Before the development of this Key Register large scale maps already existed in The Netherlands, but these were not standardized. Earlier attempts to standardize had failed. The biggest challenge at the beginning of the BGT program was to assure the co-operation of all relevant parties in creating this standardized map of the country. The content of the map is made by the municipalities, the provinces, the regional water authorities, Rijkswaterstaat (national organization responsible for motorways and water management), the ministry of Defense, the ministry of Agriculture and ProRail (responsible for the railroads). The Cadastre is responsible for the nationwide database and the publication and distribution of the information.

¹ Ministerie van Binnenlandse Zaken en Koninkrijksrelaties, Ruimtelijke Ordening / Beleid Geo-Informatie, Meester Bierensweg 66, 4841AL Prinsenbeek, Nederlande, E-Mail: Ruud.van.Rossem@kpnmail.nl

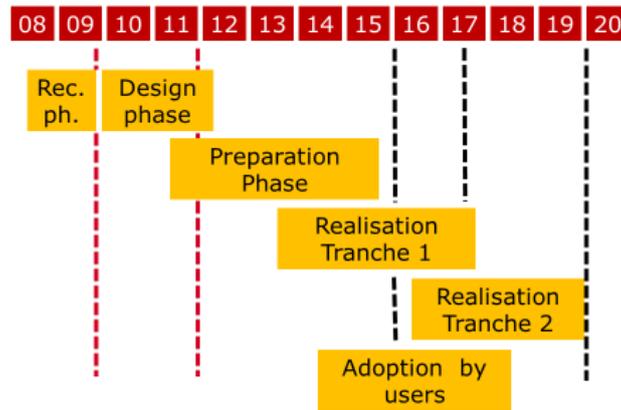


Fig. 2: Time Schedule of the BGT-Program

The design phase started in 2008 and finished in 2011 (Fig. 2). During this phase not only the functional design and the information model were developed, but also the organization model, the financial agreements, the approach for the transition and the proposal for Law.

After the design phase the proposal for the BGT Law went into the legislation process and parallel to this the preparations were made for the realization of the Key Register. Most important in this phase were the creation of an organization to support the transition towards BGT, the development of the central ICT-system, and communication with all parties involved.

The actual realization of the content of the Key Register happened from 2014 to 2017. Here the difficulty was that all the parties involved had to run their own realization projects and this required a lot of attention. After this phase the BGT covers the whole country and is available for use. The BGT is available as Open Data (Fig. 3).

In the presentation the author, who was responsible for this program in the role of general program manager, will give an insight in the way the various challenges have been dealt with.

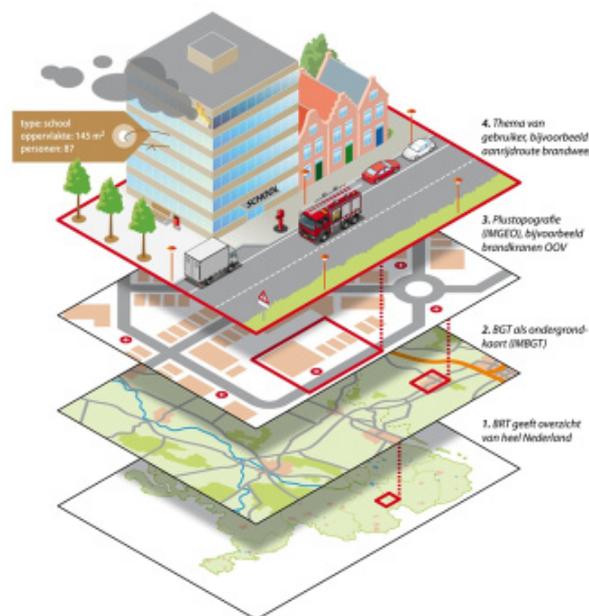


Fig. 3: Use of the BGT in combination with other information