Success and Growing Use of Geo Data Asks for Integrated Information Supply

Janette Storm (Netherlands)

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SUMMARY

Buildings and addresses, the nationwide register BAG, is a successful dataset, combining geo-location and administrative references. BAG-data supply started in 2011, and has now over 2.5 billion requests in a year and use is growing.

Success through (among others): User influence, Viewer, Quality focus

How can we address the growing use? And facilitate government and companies to easier solve social issues with geo-data, ranging from real estate and healthcare to energy and infrastructure.

Two main directions for development:

1 Actual data, easily and guaranteed available from a central facility that is prepared for growing use.

2 Provide (geo)data as a coherent set of 3D objects with administrative data.

1

Users appreciate the nationwide consistency of the data on addresses and buildings. This key-register provides some basic information about these objects, like, building year, surface, geo-location and correct spelling of the addresses. Municipalities maintain the dataset on a daily basis and ensure good quality and completeness. Kadaster supplies the information to all interested parties, like government, consultants, architects, marketeers, policy advisors, etc.

More and more user-groups discover the benefits of using the standardised, nationwide consistent

dataset. Users often discover the BAG by using the BAG Viewer. And as the increasing number of requests shows, use via applications is also growing. We adjust our infrastructure and architecture to be prepared for further scaling.

Improving the quality level has been the main focus from the start, this shows as the BAG user satisfaction has grown to 7.4 in 2018.

2

Historic developments have resulted in several high value, high quality, high accuracy geo-datasets. Topography is over 200 years old. Another example is the Addresses and Buildings register that is nationwide and standardized only since 2011.

The geo data is open data and available via PDOK.nl in several formats. The usage of these datasets has grown to more than 10 billion requests in 2018. And still growing.

Users need more than just one dataset to address issues, like energy-transition. Users need combined information. The Netherlands (Ministry of the Interior, Municipalities, Kadaster and other partners) is developing a coherent objects register to better service users with geo information and related administrative data. The quality of both the datasets, and the connection between the datasets needs to get a high level. The completeness and accuracy of connections between datasets now needs focus, in order to grow to integrated data.

Showing the combined geodata in a 3D viewer (Digital Twin) will help users to find and use the data. And will help us better understand what problems users encounter. What aspects need quality improvement. How do users want to receive the information to make it available for e.g. analyses and healthcare policies.