

# How to Increase the Usage of an NSDI from 1 Billion Hits to 10 Billion Hits in 5 Years

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## SUMMARY

Better cooperation between the Public Sector and Private companies has led to a huge success of the Dutch NSDI called PDOK (Public Services on the Map). An increasing number of hits from 1 billion in 2014 to 10 billion in 2018 resulted in an upgrade of infrastructure, a new method of user communications and data supply.

PDOK is a central distribution platform used for deploying datasets with a spatial component (geo datasets) and making them available as webservices, geographical information files, API's and Linked Data. These geo datasets are supplied by government and other public administrations. They are guaranteed to be up-to-date, reliable and for free. More than 400 webservices, download files, API's and Linked Datasets are available at the moment. A webservice makes it possible for every user to view the geographical data in any available internet browser. These webservices are particularly meant to be used by municipalities and other public agencies, but more and more by businesses, the education sector and citizens. In this way, the Dutch government is stimulating innovation and the (re-)use of geo-information and promoting Public and Private Partnership. In this paper we will describe the success factors for the increase of the number of hits. We will focus on the governmental structure. How the data is used, and how this influence future uses and how innovation stimulates the growth and importance of PDOK.

PDOK is a collaboration of Kadaster, Dutch Ministry of Internal Affairs, Dutch Ministry of Economic Affairs, Dutch Ministry of Environment and Water and Geonovum. Geonovum is a governmental body that develops standards for geospatial information and helps to better exploit governmental geographic information.

PDOK is used by municipalities and other public agencies, businesses, schools and citizens. This

can be a GIS expert searching for datasets, services or other geo-information. PDOK is also available for the policy maker who wants to consult a map or for the Geo-IT developer who needs geo information to develop a website or an application. In 2018 the PDOK usage increased to 10 billion hits, by far the most used Dutch geo platform.

Since 2016 PDOK delivers some of their data also as high quality linked open data and API's, via the platform [www.pdok.nl](http://www.pdok.nl). By Doing this, the public open data provided by PDOK can be used more easily by web developers who don't have a geo background. And therefore PDOK highly stimulates use and re-use of governmental data in the Netherlands.

The solution PDOK is easily extendable to fit an increase of data and usage. The usage of the webservices has been increased by 600 % in last 4 years, and more increase is expected.

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