

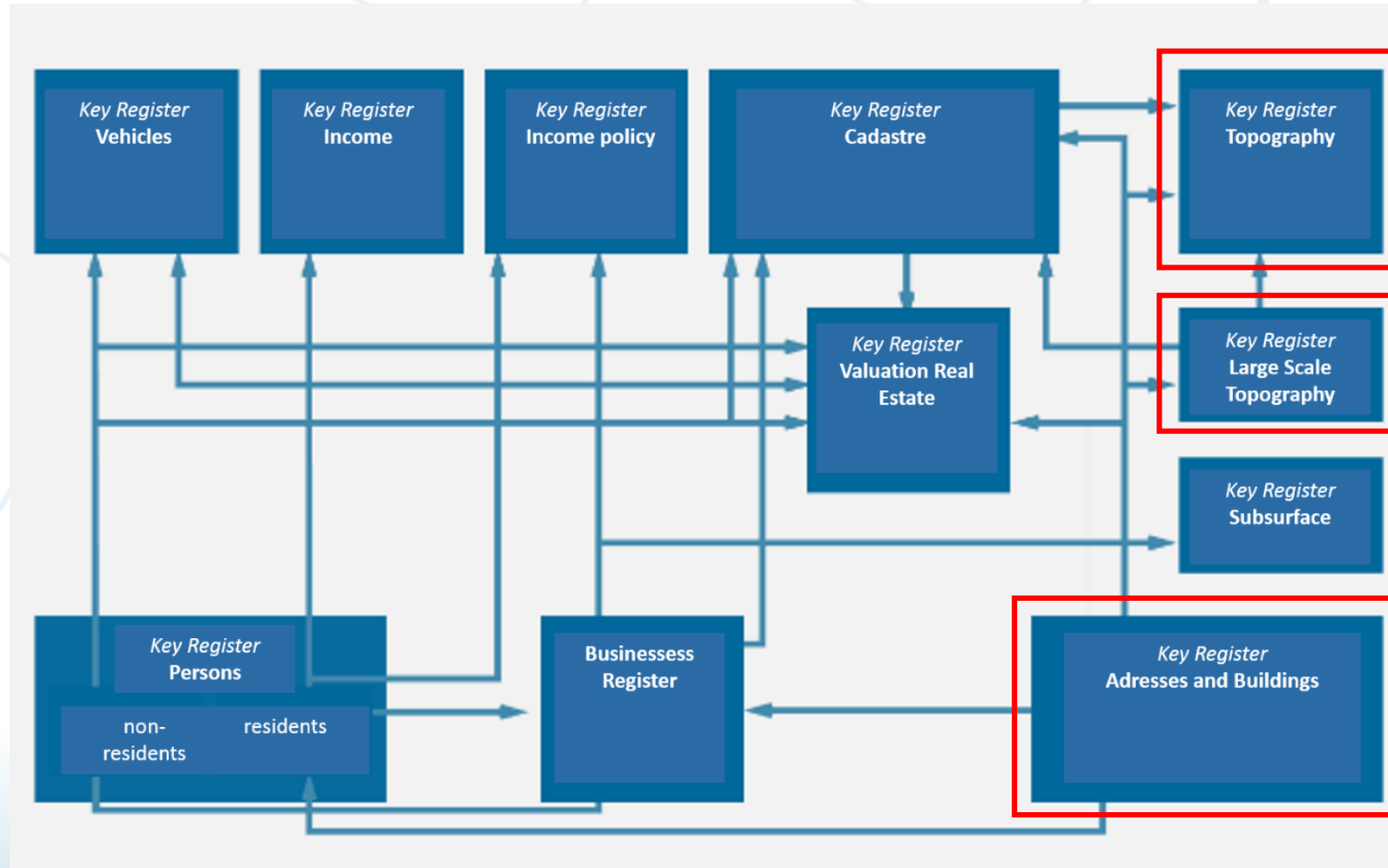
kadaster



Anouk Huisman - van Zijp
May 28, 2020

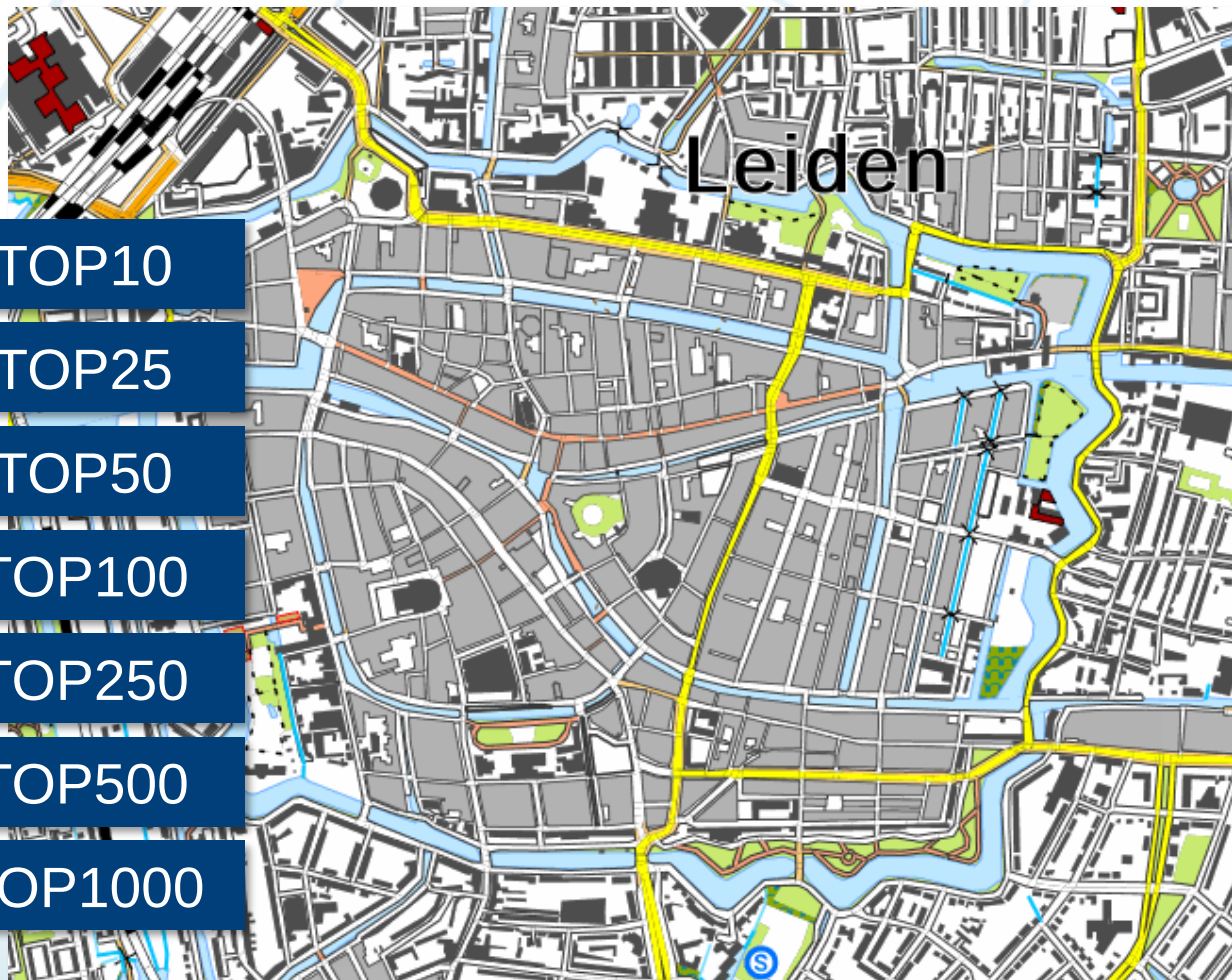
Focusing on quality management in The Netherlands

Dutch system of Key Registers





Key Register Topography (BRT)



Produced by Kadaster

Data and raster maps, 3D
and Linked data

Fully updated yearly in 5
releases with uniform
quality

Automatically generalised



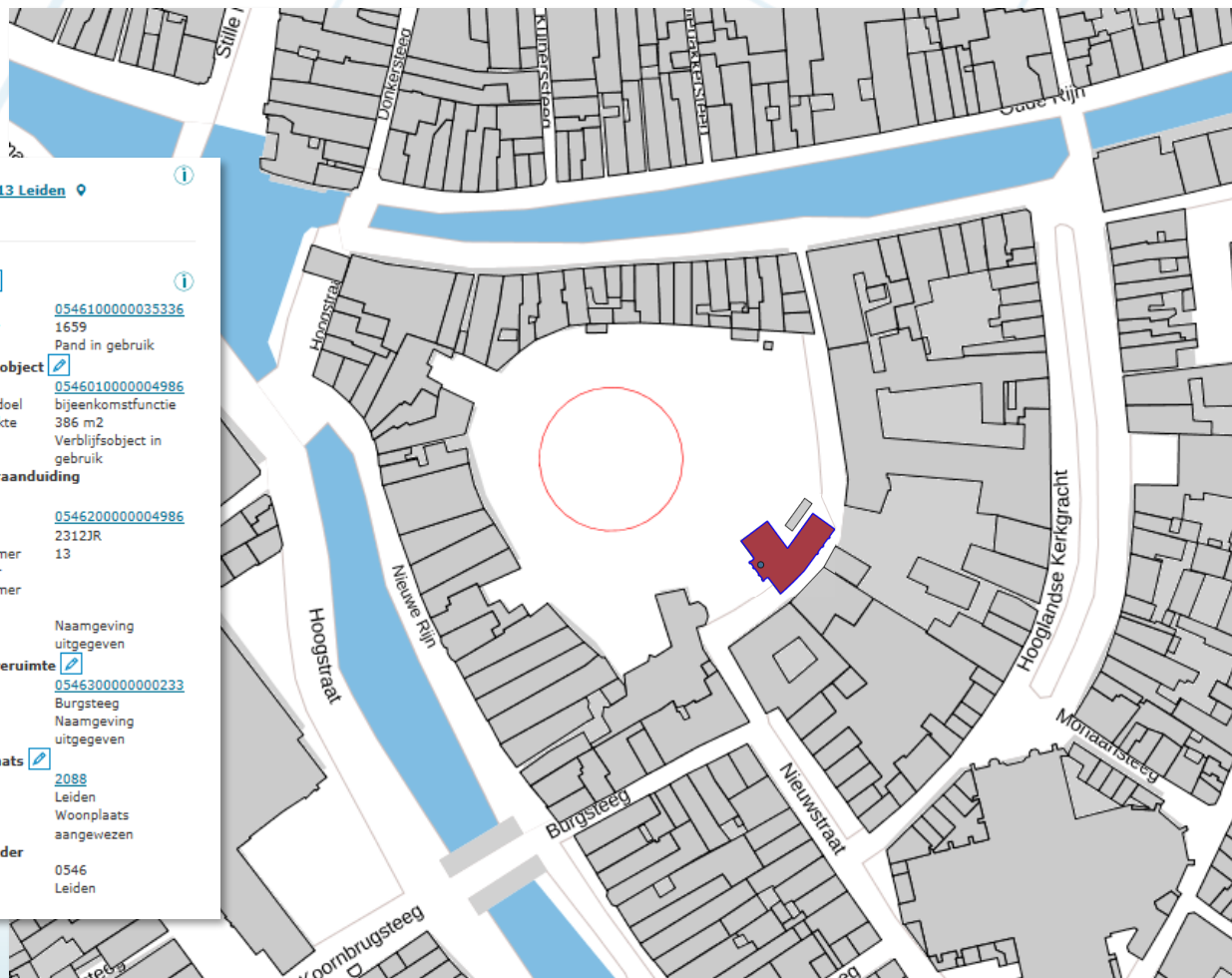


Key Register Addresses and Buildings (BAG)

Unique objects with
address, area, contour
and purpose

Produced by
municipalities (380)

<https://imbag.github.io/praktijkhandleiding/>





Key Register Large Scale Topography (BGT)

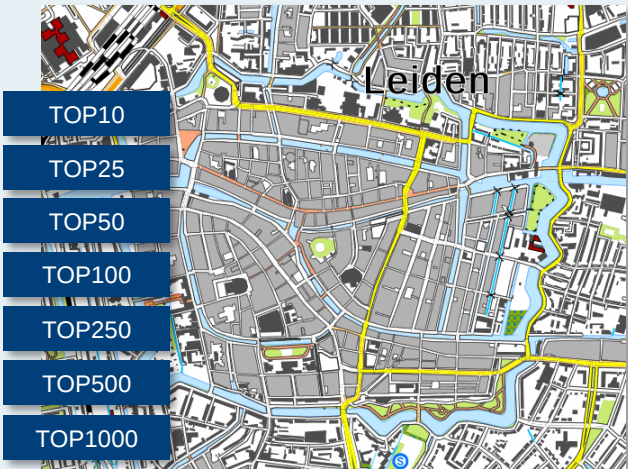
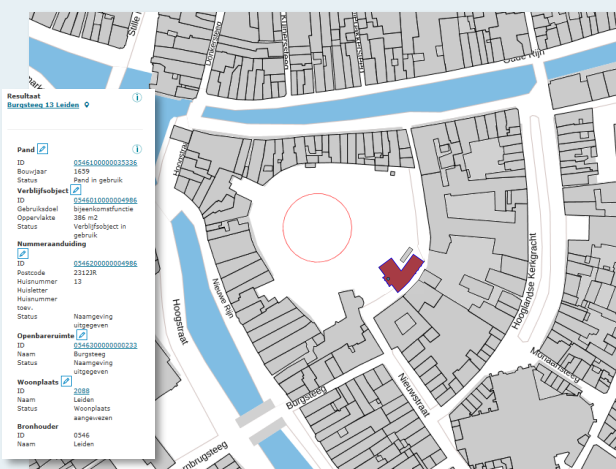


Produced by local,
regional and national
authorities (418)

Initial completion mid
2017

Phase of quality
improvement until 2020

Dutch system of Key Registers

Key Register	Topography (BRT)	Large scale topography (BGT)	Addresses and buildings (BAG)
Producer	Kadaster	Local, regional and national authorities	Municipalities
Register keeper	Kadaster	Kadaster	Kadaster
			



Why dashboards?

Actively identify, help, stimulate, consult, provide best practices, register, measure, follow-up, address.

Information and communication as basis for quality and cooperation.



Dashboards as integral part of active quality management

Producer dashboards



Crowd-sourcing

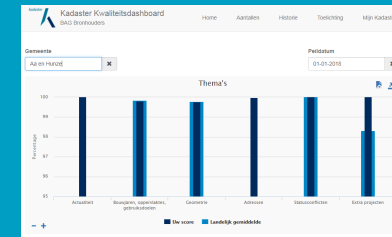


Public dashboards





Producer dashboards





Quality dashboard

- Quality managers and producers consider the same information
- Positive approach: working towards 100%
- Comparison to national average
- Results: errors and signals





Demo producer dashboard





Public dashboards



Demo public dashboard



Key Register Addresses and Buildings: <https://zakelijk.kadaster.nl/bag-kwaliteitsdashboard-voor-afnemers/over-dit-dashboard>

Key Register Topography: <https://zakelijk.kadaster.nl/brt-dashboard>



Future developments

- Expanding BGT and BRT dashboards
- More linking of Key Register data
- BAG feedback numbers in dashboards
- All public dashboards?





Crowd-sourcing





Crowdsourcing

It is compulsory for government users of Key Registers to provide feedback on errors and changes in the data or maps.

But now anyone can give feedback at www.verbeterdekaart.nl (BRT and BGT) or bagviewer.kadaster.nl (BAG)





Demo crowdsourcing

7884 17:01

7882

49-117E

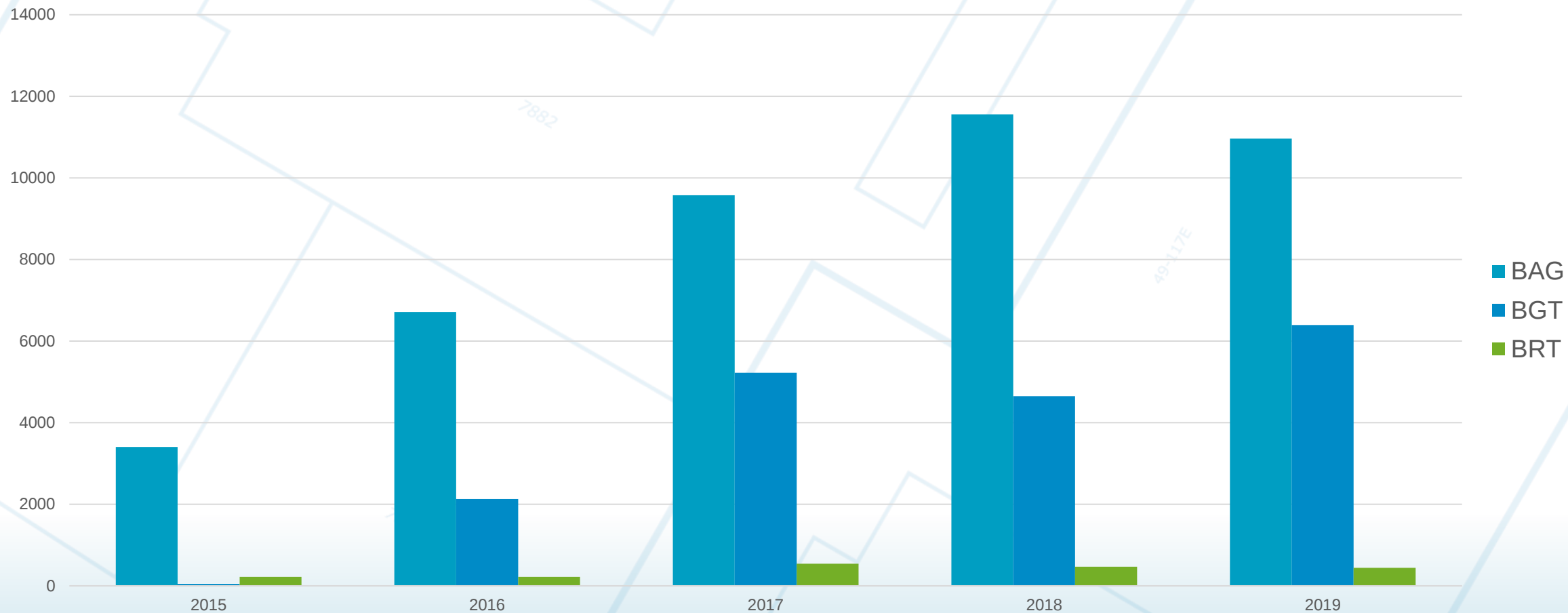
7883





Feedback results

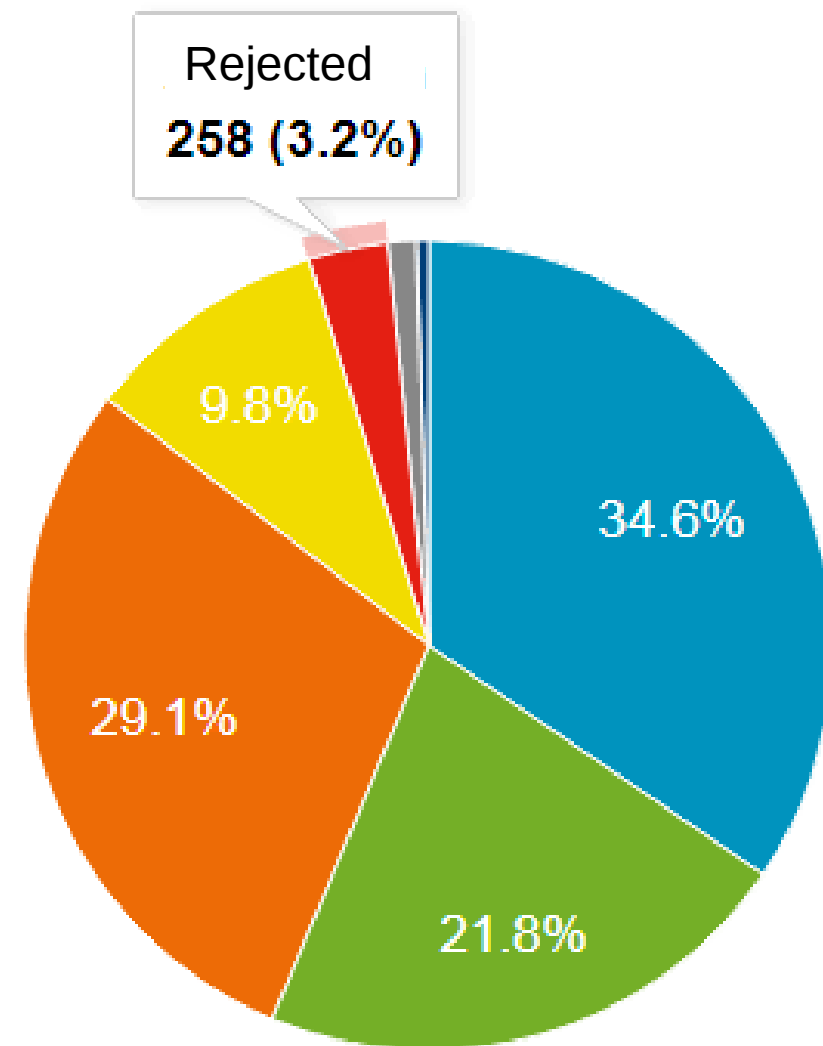
Yearly feedback numbers





Crowdsourcing results

- Open and transparent feedback for and from everyone.
- Amount of feedback has more than doubled.
- Only 5% of all the feedback is rejected.





Key Register data quality management

- Initial set up first, attention for data quality second
- Quality dashboards are a great tool for quality management
- Crowdsourcing to access local knowledge
- Continuous process
- Focus now on linking Key Register data





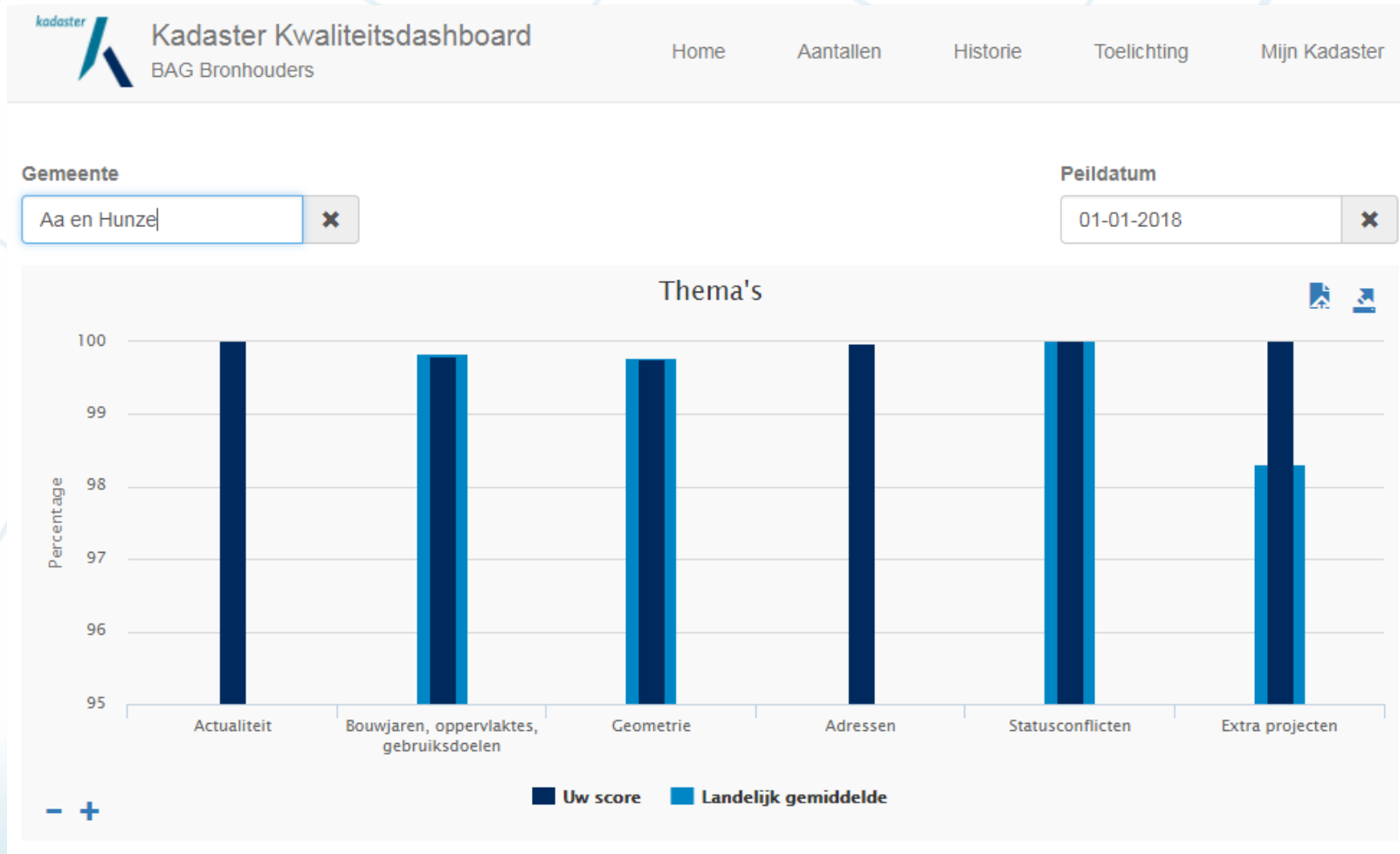
Thank you

Anouk.huisman-vanzijp@kadaster.nl

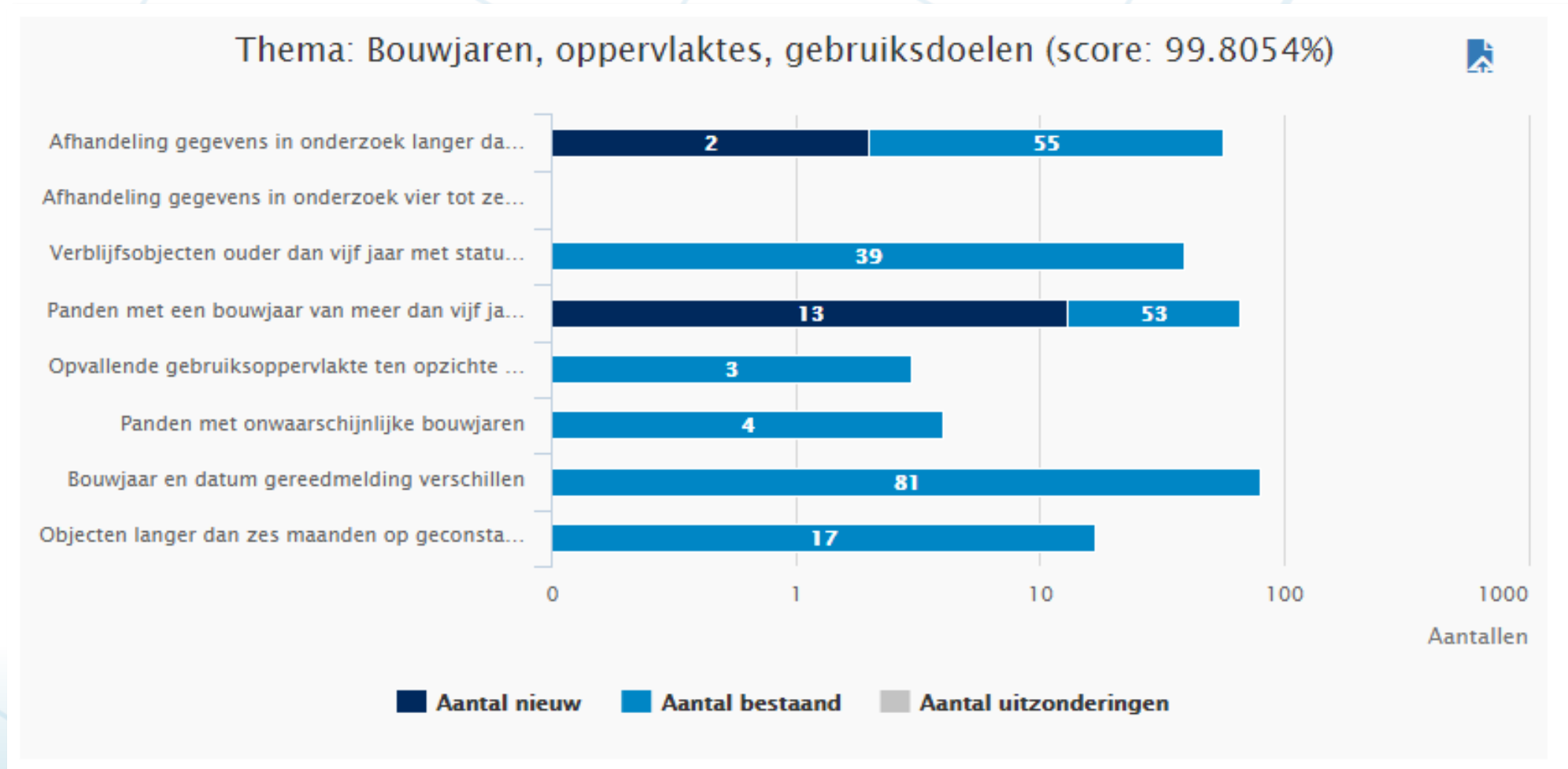
FIG paper

https://fig.net/resources/proceedings/fig_proceedings/fig2020/papers/ts08e/TS08E_huisman_sjoukema_10362.pdf

Quality dashboard - Themes



Quality dashboard – Theme results



Quality dashboard - details

Details: Opvallende gebruiksoppervlakte ten opzichte van het gebruiksdoel

10 ▼ resultaten weergeven Zoeken:

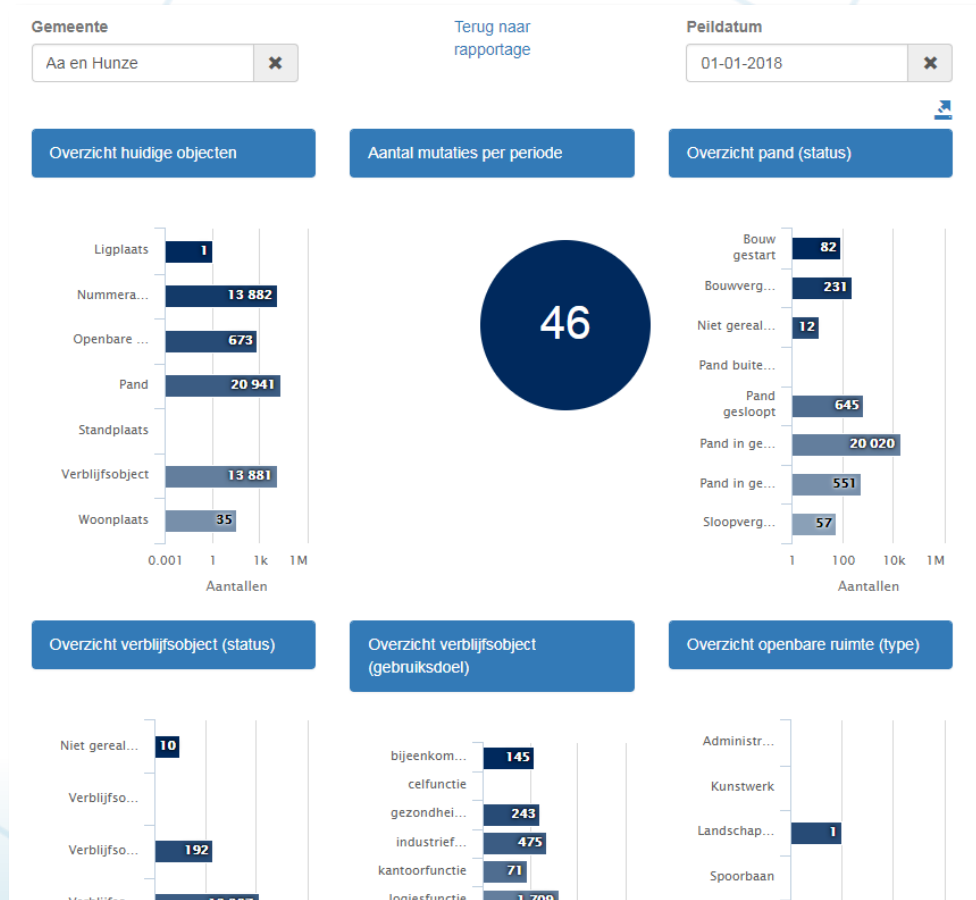
VBO-ID	gebruiksdoelen	ADO-status	oppervlakte	OPR-naam	huisnr.	letter	toev.	postcode	WPL-naam
1680010000000289	logiesfunctie	Verblijfsobject in gebruik	6	Hoogte der Heide	10		5	9462TT	Gasselte
1680010000004784	woonfunctie	Verblijfsobject in gebruik	2727	Zandvoort	3			9461TA	Gieten
1680010000005387	logiesfunctie	Verblijfsobject in gebruik	3	Gietenweg	13		26	9462TC	Gasselte

1 tot 3 van 3 resultaten

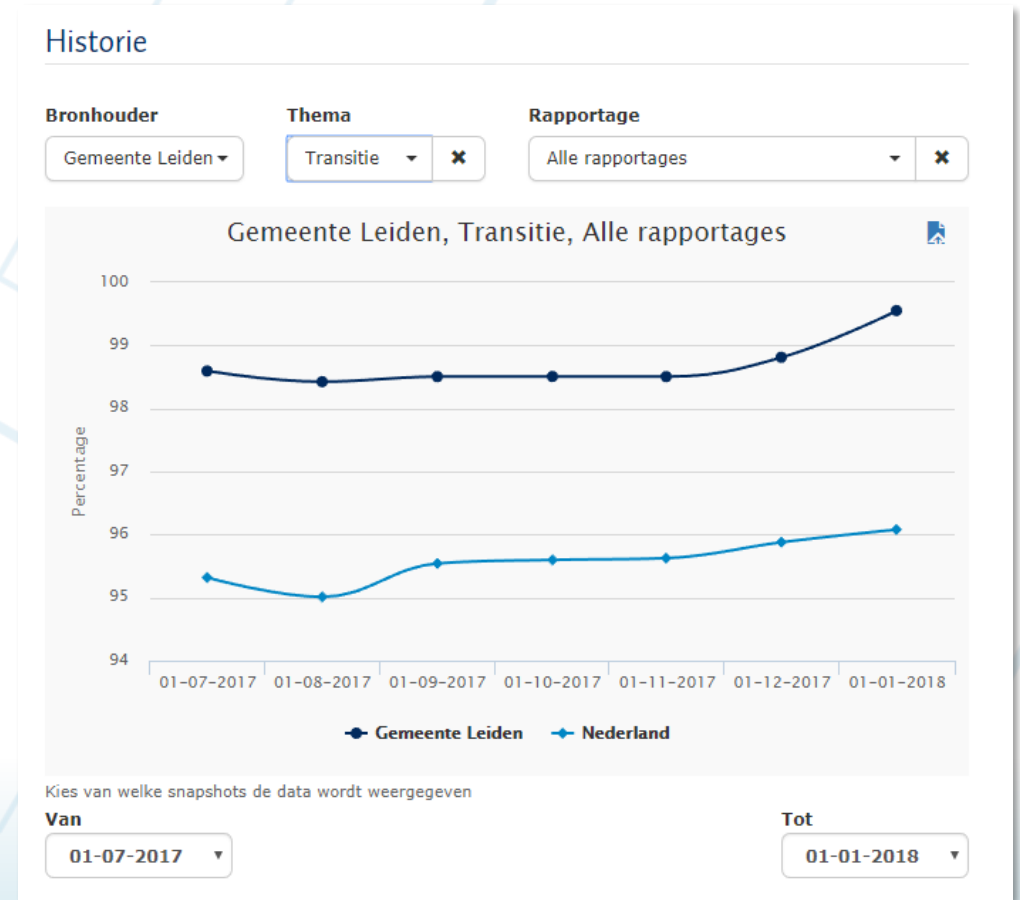
Eerste Vorige 1 Volgende Laatste

Quality dashboard

Numbers

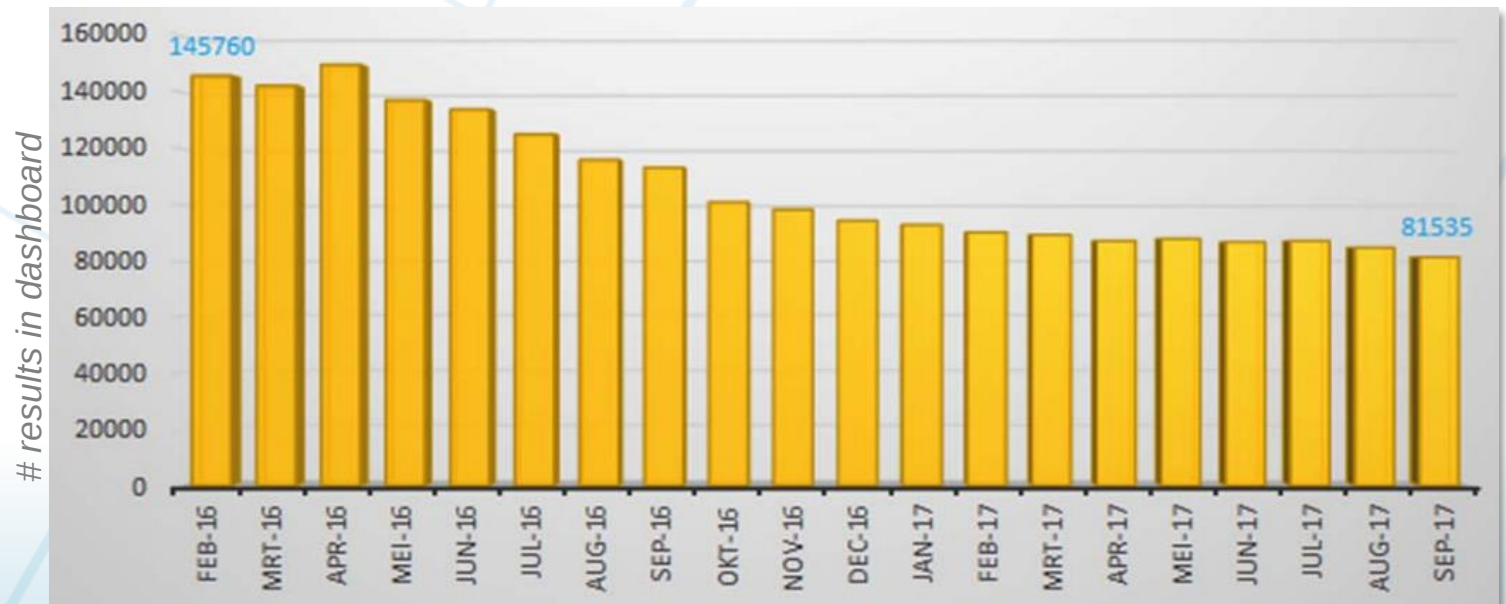


History



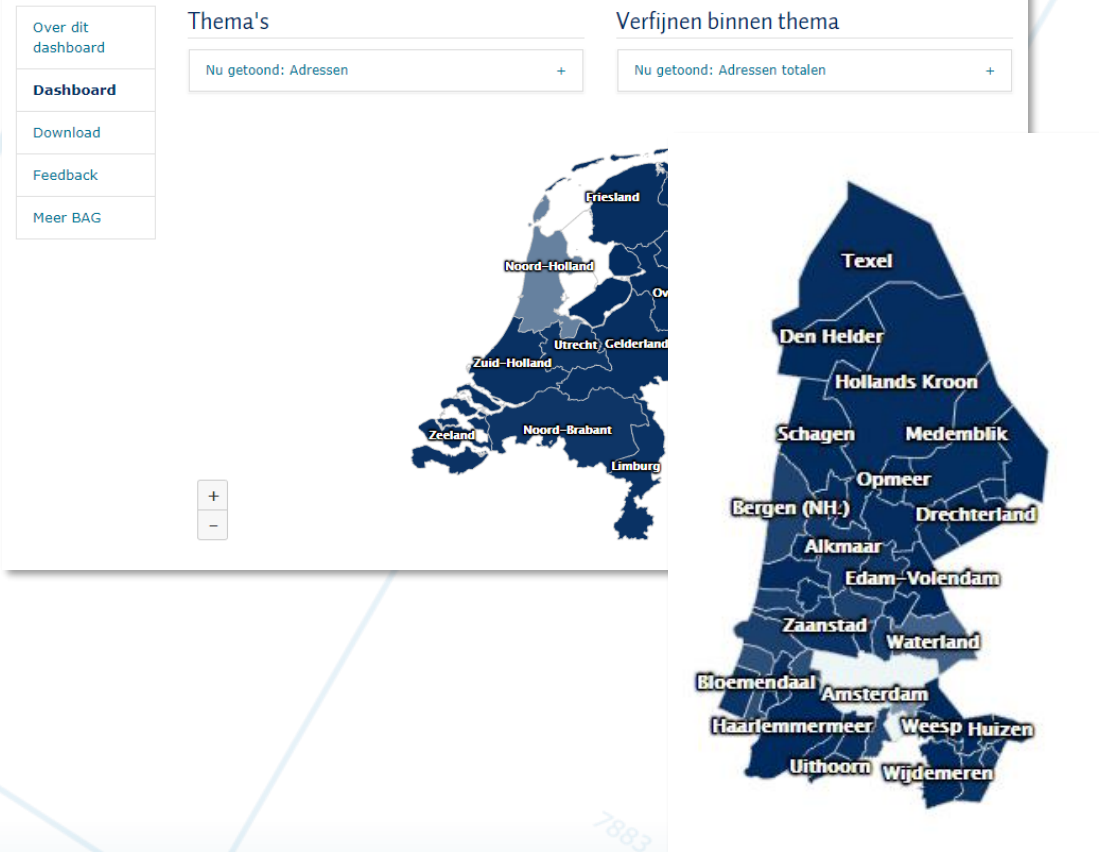
Results of quality management BAG

- 44% error reduction in 20 months
- Producers are active in solving results and enthusiastic about the positive approach
- Dashboard is a practical and well used tool

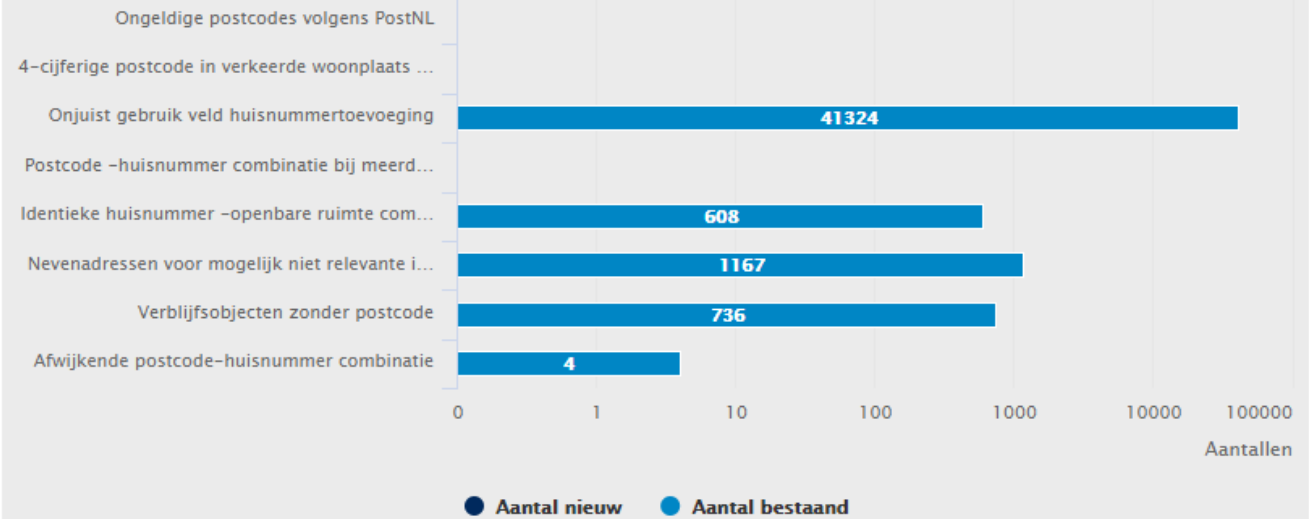


Public dashboard BAG

BAG kwaliteitsdashboard voor afnemers



Gemeente: Amsterdam (NH), score: 92.587%

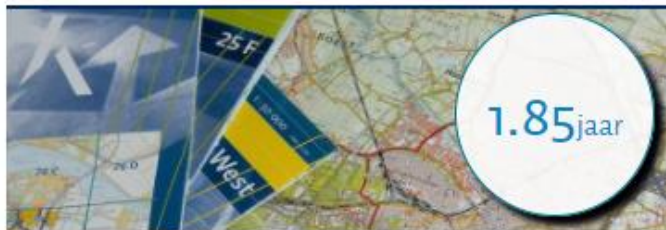


<https://www.kadaster.nl/bag-kwaliteitsdashboard-voor-afnemers/over-dit-dashboard>

Public dashboard BRT

BRT Kwaliteitsdashboard

Actualiteit



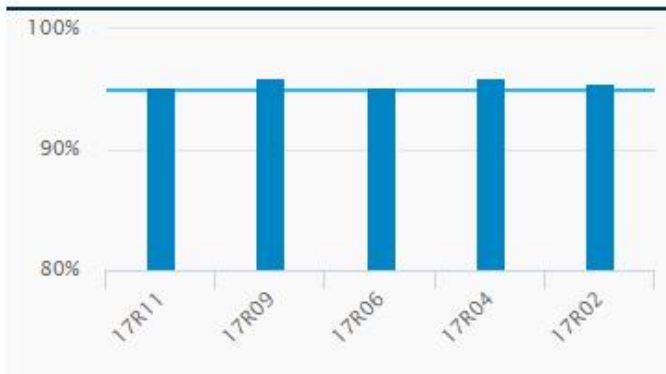
Kwaliteit



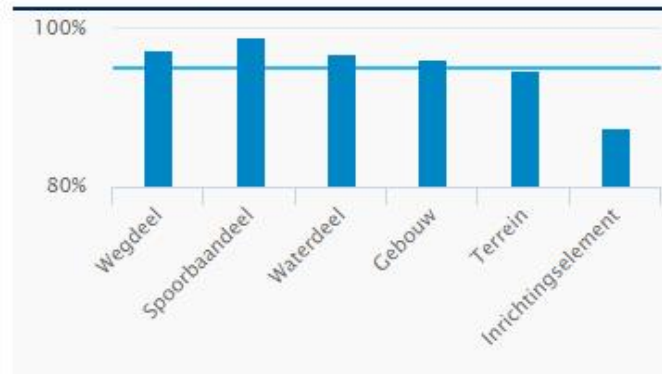
Links

- » Toelichting BRT Kwaliteitsdashboard
- » Over Basisregistratie Topografie
- » Verbeter de kaart
- » Downloadservice BRT via PDOK
- » Webwinkel topografische producten

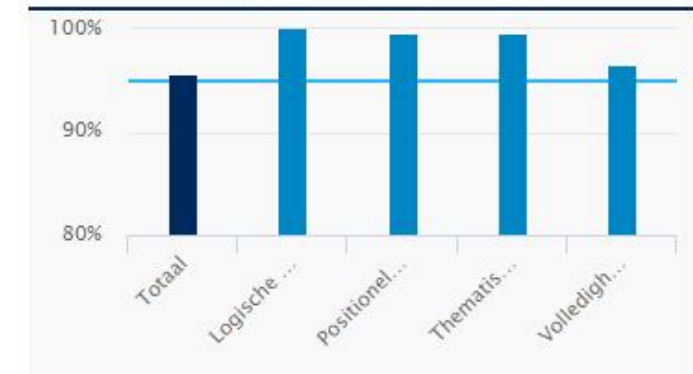
Kwaliteit leveringen



Kwaliteit objectklassen



Kwaliteitsaspecten



Improve the Map (verbeterdekaart.nl)

kadaster *Verbeter de kaart* [veelgestelde vragen](#) [contact](#)

MELDING MAKEN VOOR TOP10

Melding BGT00001918

Gemeld op: BGT

Geregistreerd op: 20-09-2016 20:42

Status: In onderzoek

Omschrijving: Nieuwe haven

Bronhouder: Zutphen

Status gewijzigd op: 20-09-2016 20:42

Toelichting bronhouder: Automatisch

Legenda

- Nieuw
- In onderzoek
- Goedgekeurd, ingepland door bronhouder
- Geparkeerd
- Doorgestuurd naar andere basisregistratie
- Afgewezen
- Afgerond

☒ Toon legenda

☐ Toon BGT legenda

Zutphen

Kaart: TOP10 Zoomniveau: 11



Legenda

- Nieuw
- In onderzoek
- Goedgekeurd, ingepland door bronhouder
- Geparkeerd
- Doorgestuurd naar andere basisregistratie
- Afgewezen
- Afgerond
- Toon BGT legenda

- New
- Under investigation
- Approved, change planned
- Parked
- Transferred to other Key Register
- Denied
- Finished