

kadaster



Visualisation of spatial register data quality in public dashboards

Anouk Huisman
anouk.huisman-vanzijp@kadaster.nl

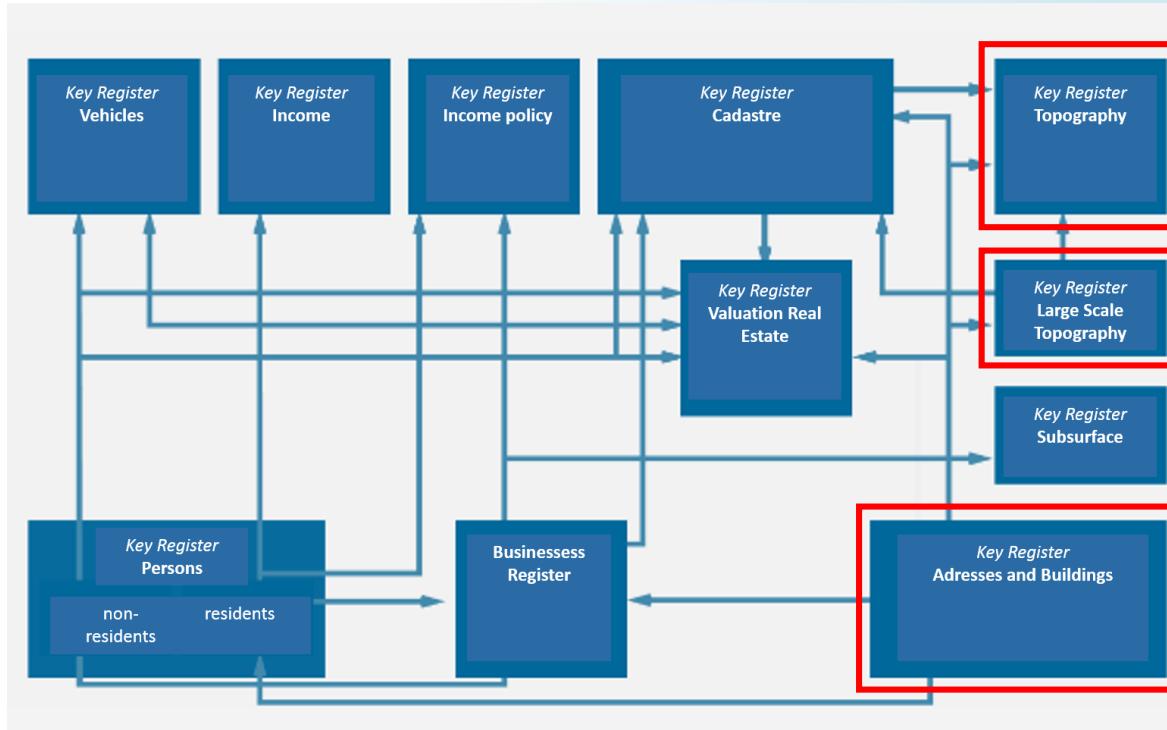
QKEN December 6th 2018, Tallinn

kadaster

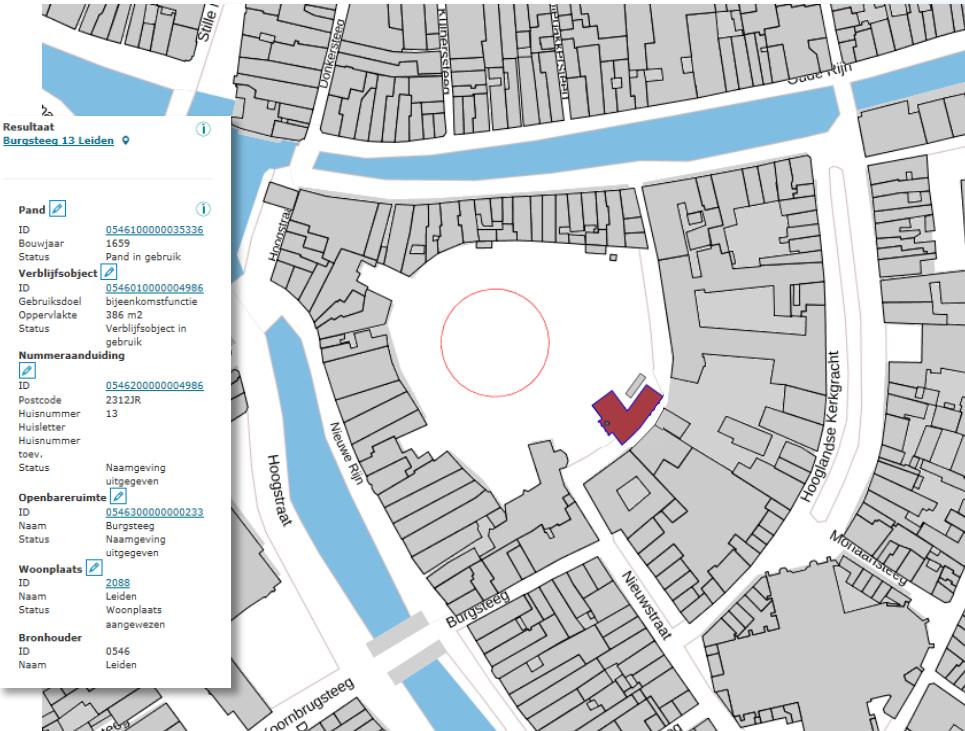
Visualisation of spatial register data quality in public dashboards

- Dutch system of Key Registers
- Role of Kadaster
- Quality dashboards
- Crowdsourcing

Dutch system of Key Registers



BAG - Addresses and Buildings



Key Register Addresses and Buildings

Unique objects with address, area, contour and purpose

Produced by municipalities (380)

BGT - Large Scale Topography

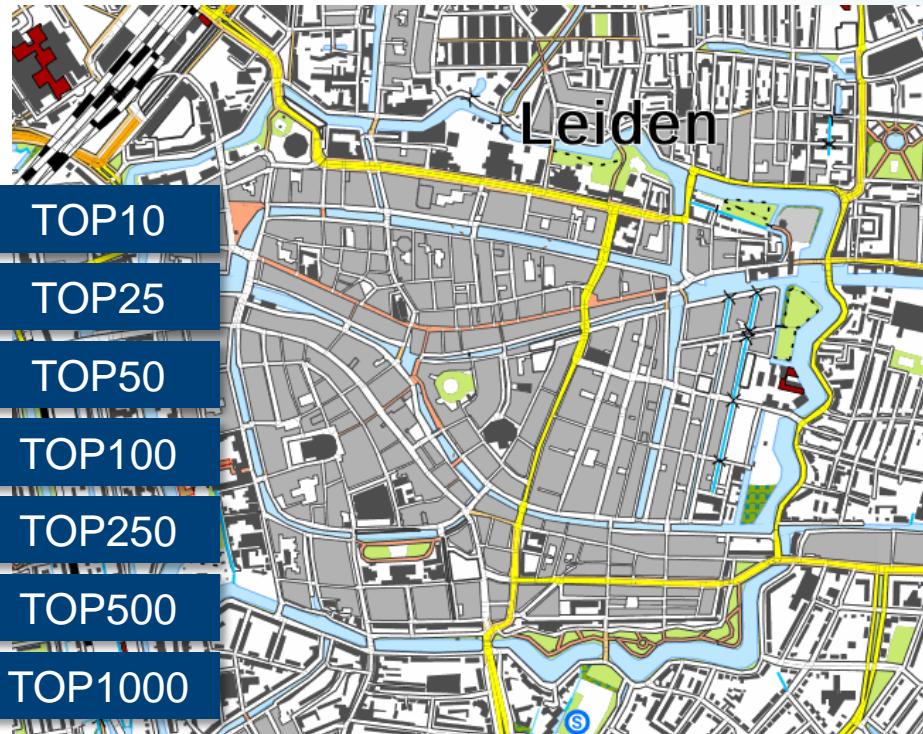


Key Register Large Scale Topography

Produced by local, regional and national authorities (418)

Initial completion mid 2017
Phase of quality improvement until 2020

BRT - Topography



Key Register Topography

Produced by Kadaster

Data and raster maps, 3D
and Linked data

Fully updated yearly in 5
releases with uniform quality

Automatically generalised

Roles Kadaster for BRT, BGT and BAG

Key Register	Producer	Register keeper	Hosted
BRT (topography)	Kadaster	Kadaster	Kadaster (pdok.nl)
BGT (large scale topography)	Local, regional and national authorities	Kadaster	Kadaster (pdok.nl)
BAG (addresses and buildings)	Municipalities	Kadaster	Kadaster (pdok.nl)

Key register quality

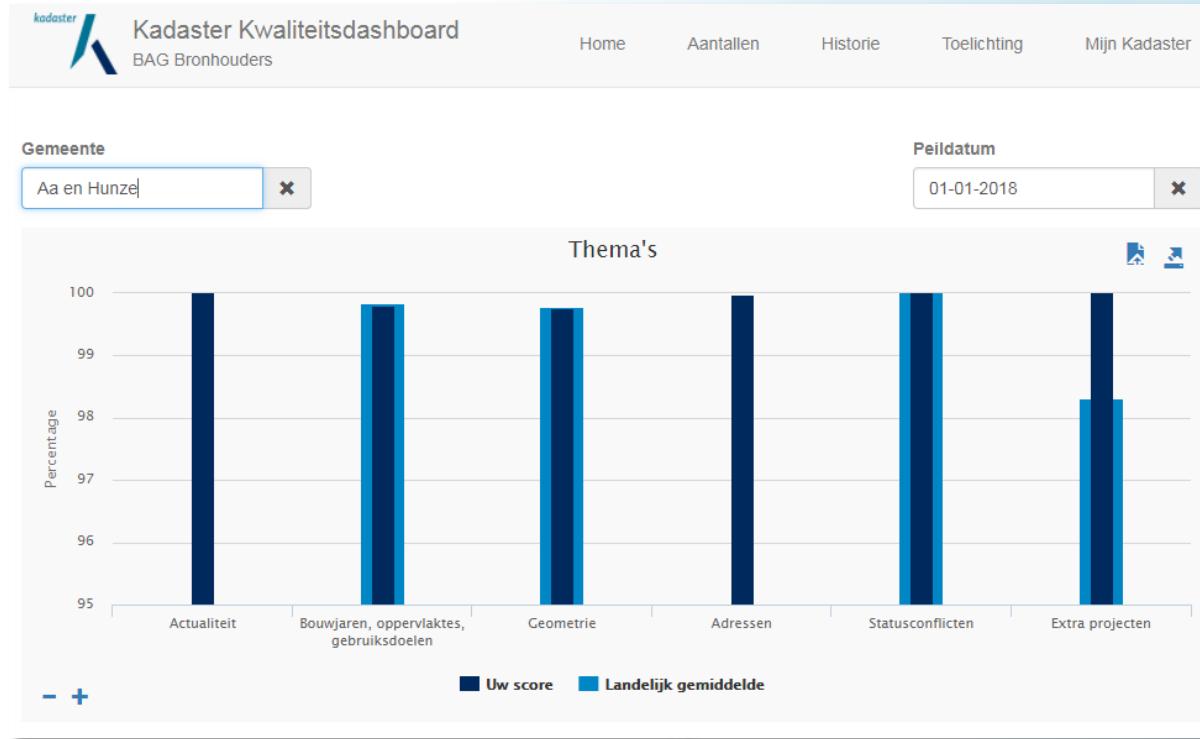
- Insight in key register quality
- Handles for improvement

→ Quality dashboard for quality management

Quality dashboard

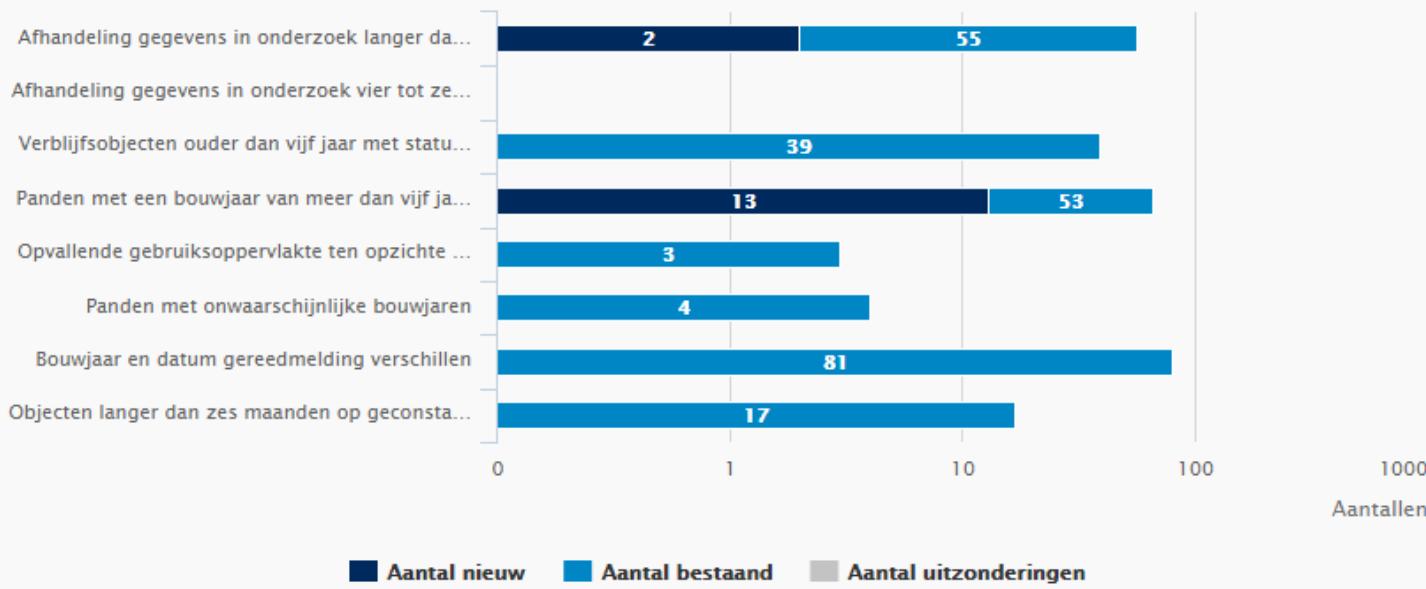
- Quality managers and producers consider the same information
- Positive approach: working towards 100%
- Comparison to national average
- Results: errors and signals
- Themes – results – details
- Exports
- Numbers
- History

Quality dashboard - Themes



Quality dashboard – Theme results

Thema: Bouwjaren, oppervlaktes, gebruiksdoelen (score: 99.8054%)



Quality dashboard - details

Details: Opvallende gebruiksoppervlakte ten opzichte van het gebruiksooel

10 resultaten weergeven

Zoeken:

PN	VBO-ID	gebruiksdoelen	ADO-status	oppervlakte	OPR-naam	huisnr.	letter	toev.	postcode	WPL-naam
16	1680010000000289	logiesfunctie	Verblijfsobject in gebruik	6	Hoogte der Heide	10		5	9462TT	Gasselte
16	1680010000004784	woonfunctie	Verblijfsobject in gebruik	2727	Zandvoort	3			9461TA	Gieten
16	1680010000005387	logiesfunctie	Verblijfsobject in gebruik	3	Gieterweg	13		26	9462TC	Gasselte

1 tot 3 van 3 resultaten

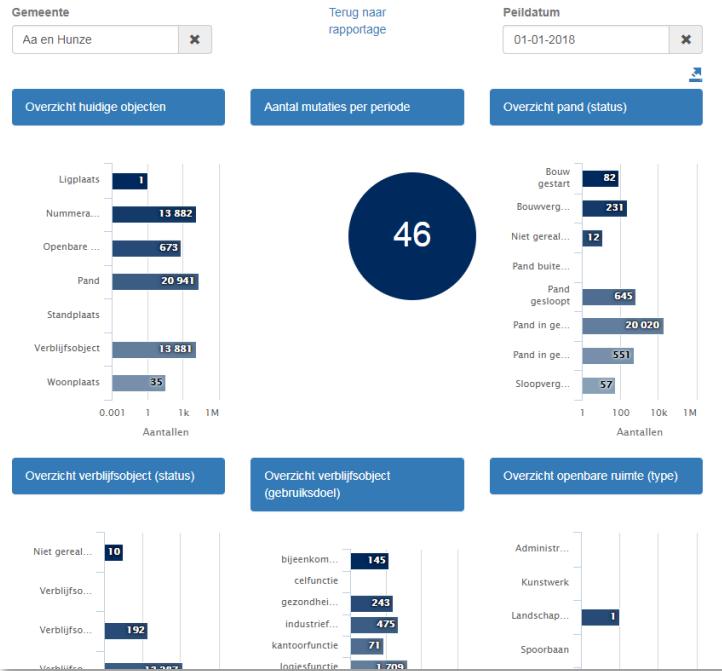
Eerste Vorige **1** Volgende Laatste

12 |

kadaster

Quality dashboard

Numbers

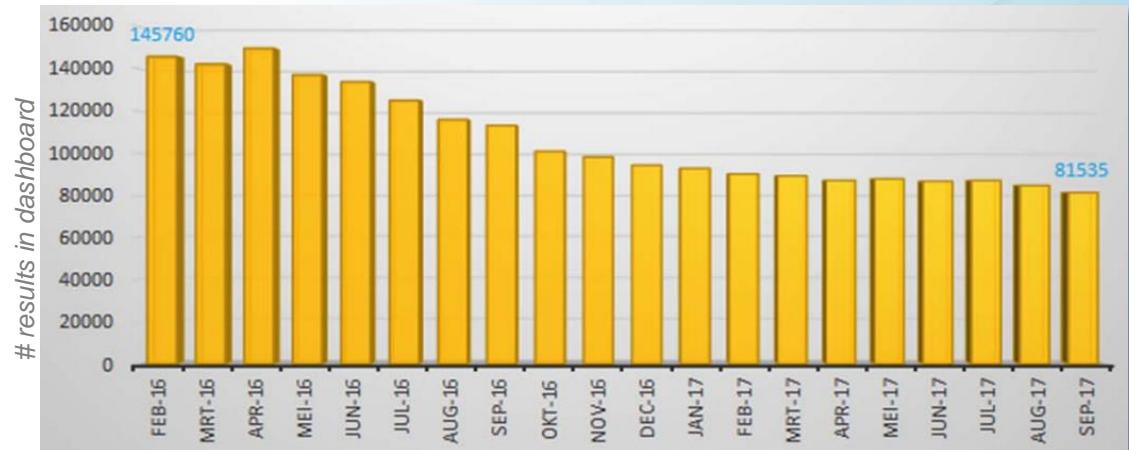


History



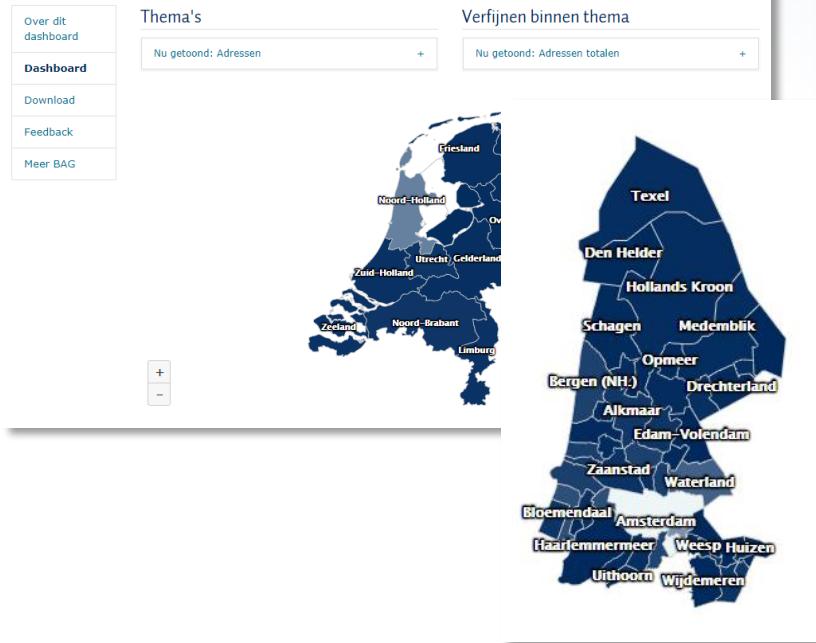
Results of quality management BAG

- 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.

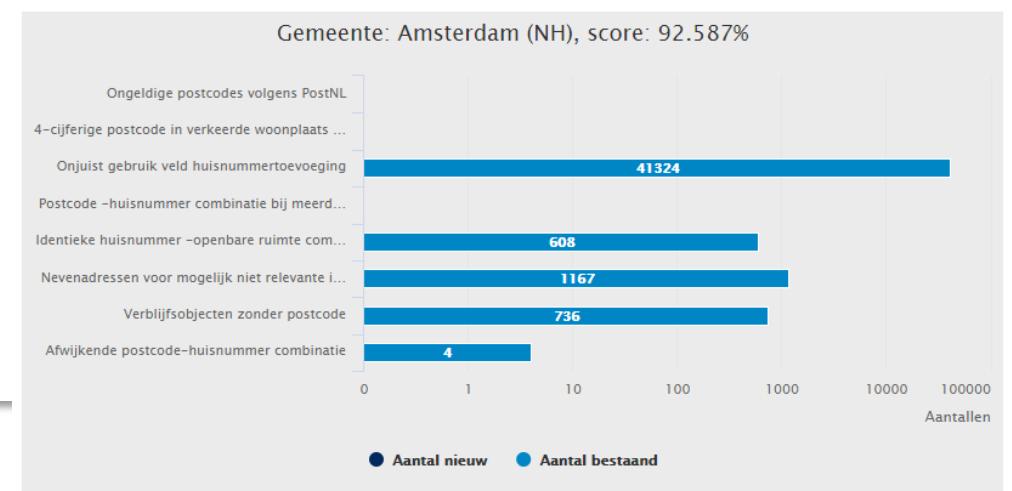


Public dashboard BAG

BAG kwaliteitsdashboard voor afnemers



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



Public dashboard BRT

BRT Kwaliteitsdashboard

Actualiteit



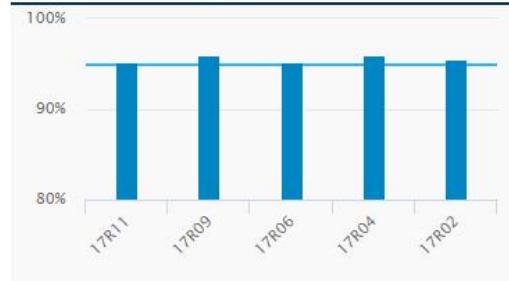
Kwaliteit



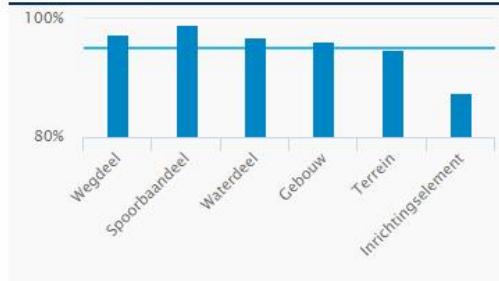
Links

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

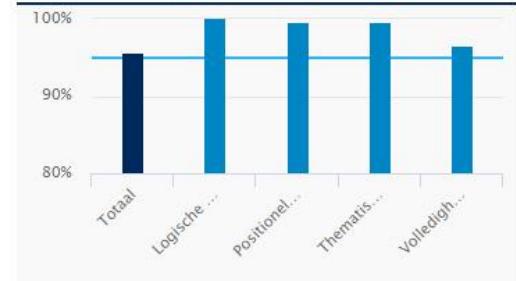
Kwaliteit leveringen



Kwaliteit objectklassen



Kwaliteitsaspecten



<https://www.kadaster.nl/brt-dashboard>

Future developments

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

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)

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

Toon legenda

Legenda

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

Toon BGT legenda

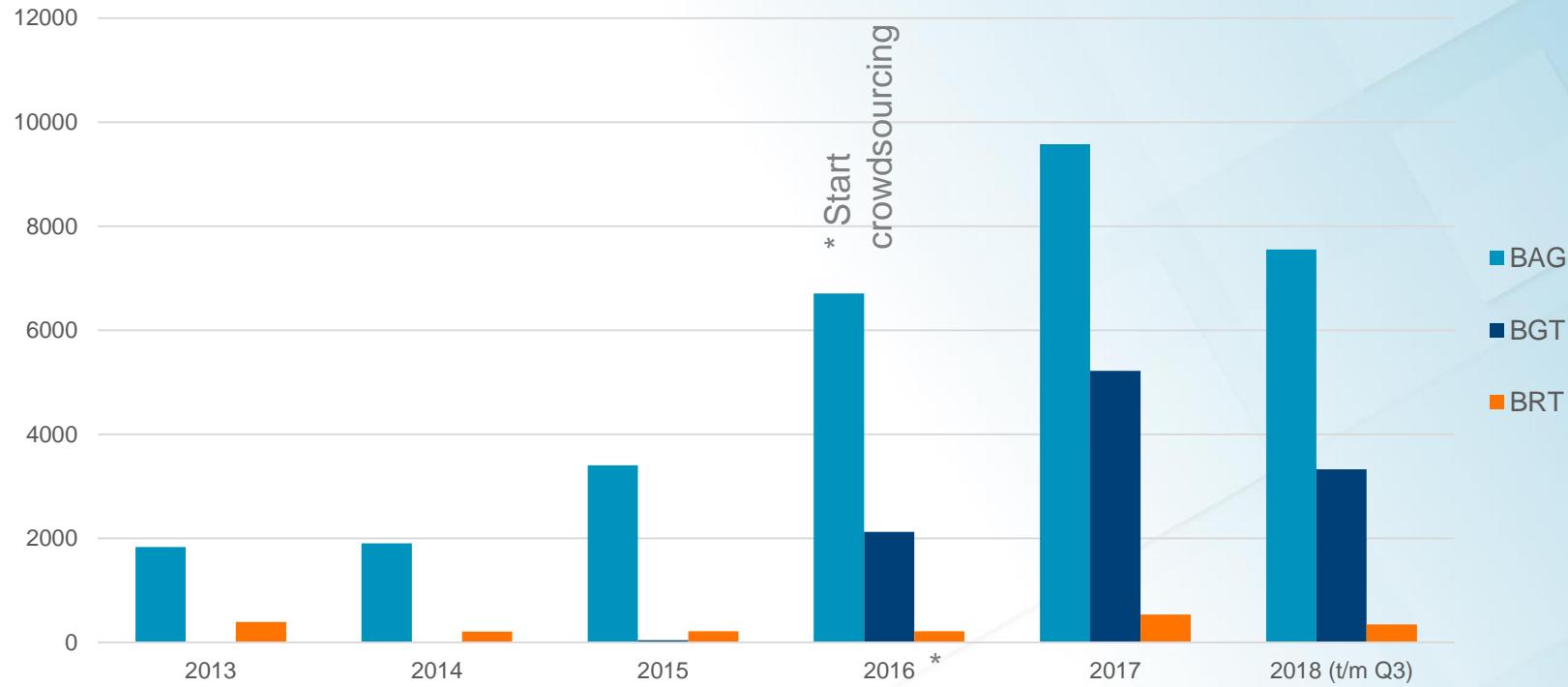
Zutphen

Kaart: TOP10 Zoomniveau: 11

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



Feedback numbers



Key Register data quality

- Initial filling first, attention for data quality second
- Quality dashboards are a great tool for quality management
- Map feedback
- Linking Key Register data (government program “Development of Key Registers in consistency”)

kadaster



Visualisation of spatial register data quality in public dashboards

Anouk Huisman
anouk.huisman-vanzijp@kadaster.nl

SDQ 2018 Malta

kadaster