# FIG WORKING WEEK 2019

## 22–26 April, Hanoi, Vietnam

Presented at the FIG Working Week 2019,
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"Geospatial Information for a Smarter Life and Environmental Resilience"

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# Improving quality of the Key registries with 3D building information models and Linked Data

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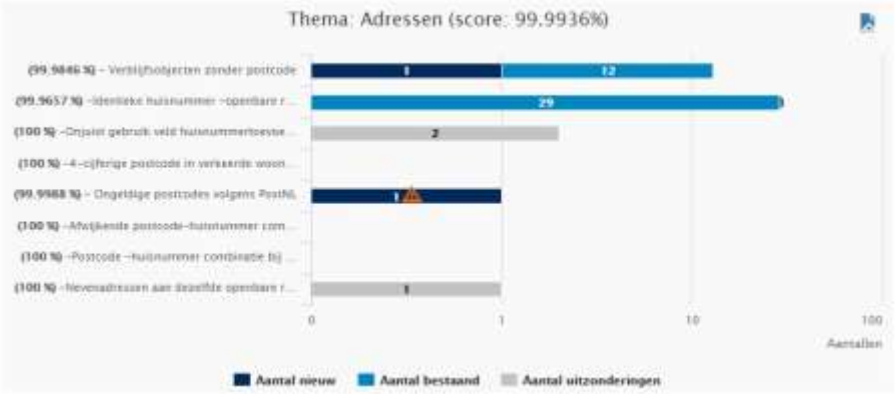
# High quality key registries, but room for more

- Quality of the key registries is high, but there is room for more:
  - Quality dashboards have proven their effect
  - 3D BIM is an interesting step to consider, not only to improve the quality but also to improve processes
  - Linked Data can be the final step to fully integrate data, improve quality even more and to have a real shared information position

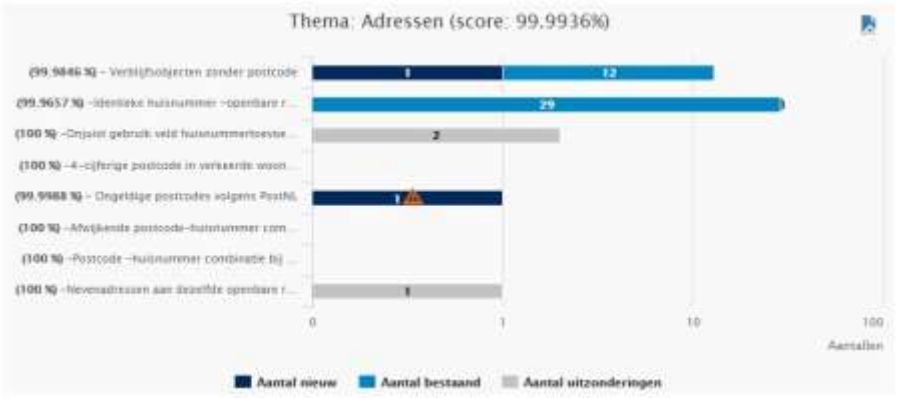
# Quality dashboards are a big succes

- Signification improvements in data quality, of interest for source holders and data users
- More and more interest from other key registries
- Creating quality dashboards for combinations of key registries might find even more incorrect data and improve quality further



# Source holder dashboard

- Detailed overview of all errors in the key registries
- Comparison with overall score of all municipalities
- Easy to use and easy to find the specific errors

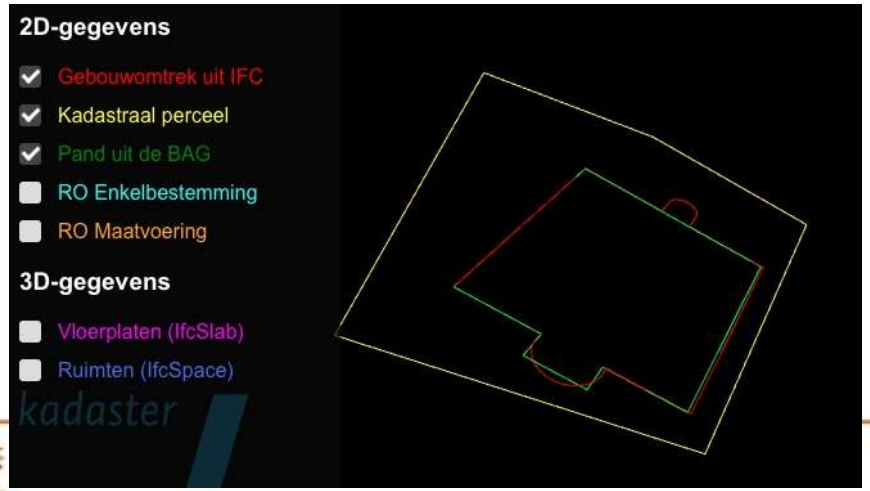


# Data user dashboard

- Overview of the quality for each municipality and each province
- Possibility to dive deeper into the data and find specific metrics

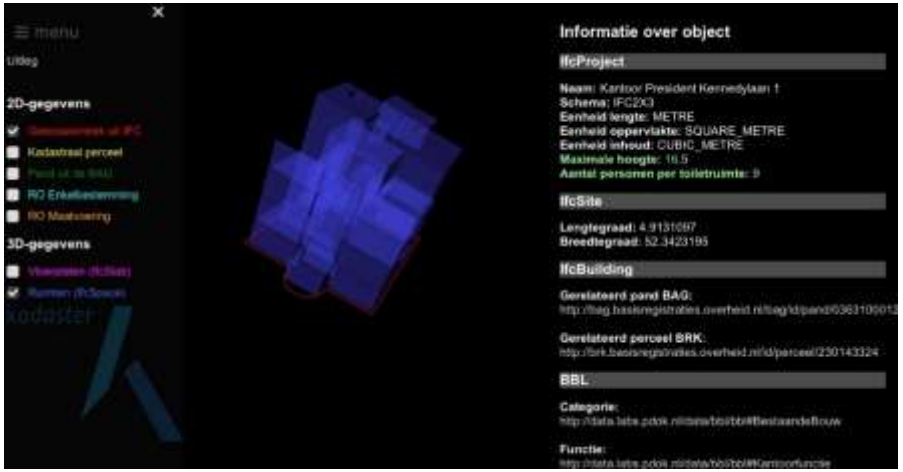
# 3D BIM data for data improvements and efficient processes

- Usage of 3D BIM data leads to:
  - Less manual work
  - Fewer data entry and therefore better data quality
  - Easier visual check and less chances of incorrect permits



# Linked Data leads to shared information position

- Not necessarily process improvement
- Does lead to easier comparison of data and therefore a possibility to find errors
- Better information position for all parties involved



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