

Aerial Imagery Partnership

kadaster



Anouk Huisman QKEN October 2019 Bern

kadaster

Aerial imagery and Kadaster

Kadaster has been a long time user of aerial imagery.

2012 Tender for aerial imagery
Cooperation with Water Boards
and national government parties

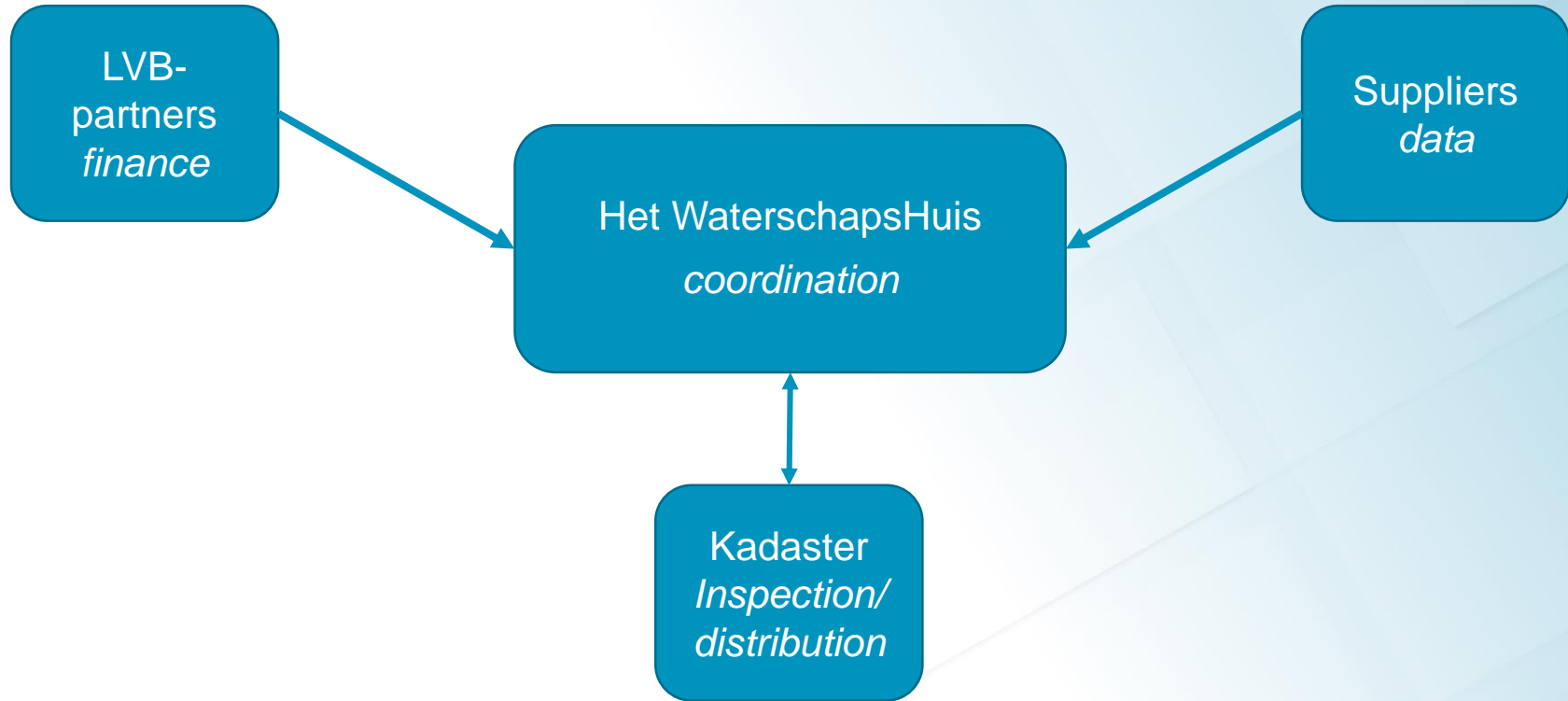


**yearly
imagery**

National Facility Aerial Imagery since 2012:
Yearly whole country

- Tender 1: 2012 – 2013
- Tender 2: 2014 – 2015
- Tender 3: 2016 – 2017 – 2018
- Tender 4: 2019 – 2020 – 2021? – 2022?

Organisation



Role Kadaster

- Inspection
- Storage
- Data management
- Distribution

Disks

WMS through Dutch geoportal PDOK.nl

- 10cm closed service
- 25cm open data

Products

High resolution 10cm

Winter imagery

RGB



Low resolution 25cm

Summer imagery

RGB and CIR




Goal

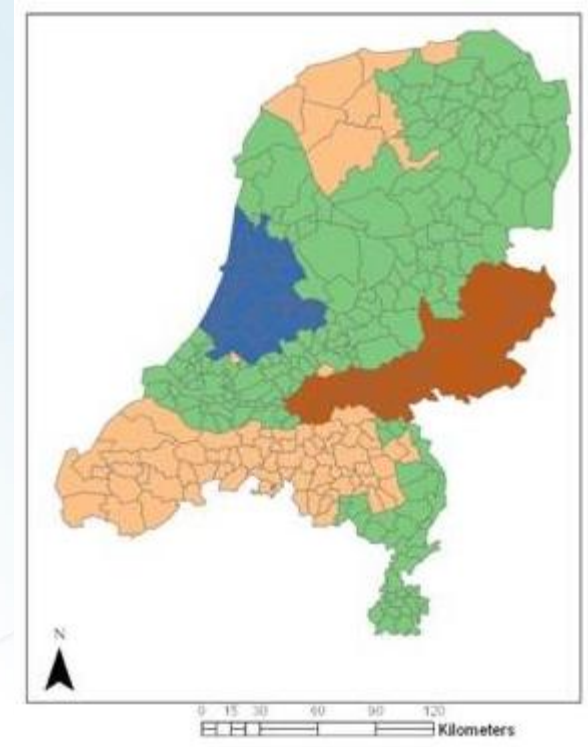
Common operational picture
Collect once – use multiple times

Long-term vision:
aerial imagery as a common provision

Tender 4: two pilots

 Municipal cooperations buy their own imagery and supply it to the Tender 4 project.

 Other municipalities stop their own collection and participate in Tender 4.



Tender 4

More possibilities with new technologies

Main differences with Tender 3:

- More partners!
- 9 parcels with smaller blocks to speed up delivery
- More groundpoints for first-time-right processing
- Stimulating early-flying

Project approach

Preparation phase: consultation with suppliers and participants about possible and required specifications

Tender phase: European tender

Realisation phase: execution of Tender 4.

Result

High Resolution:

4, 5, 7,5 and 10 cm - 60/30 overlap

Low Resolution:

25 cm - 80/20 overlap

open data CC BY

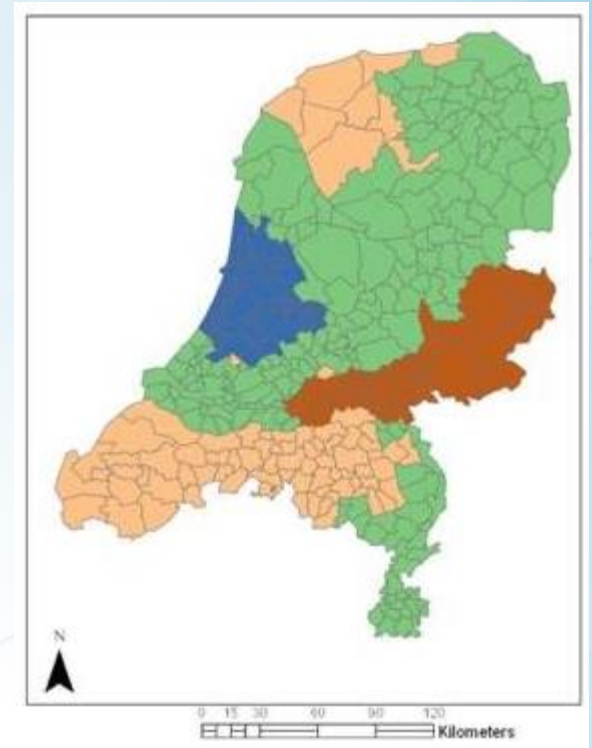
All stereo and ortho images

[Storymap Aerial Imagery](#)



Result

A lot of positives,
but there is room for improvement...



Future

First evaluation Tender 4 – last week

Second evaluation – end 2019

Work meetings to work out the common provision

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