



Zoek op adres, plaats of postcode

Filter



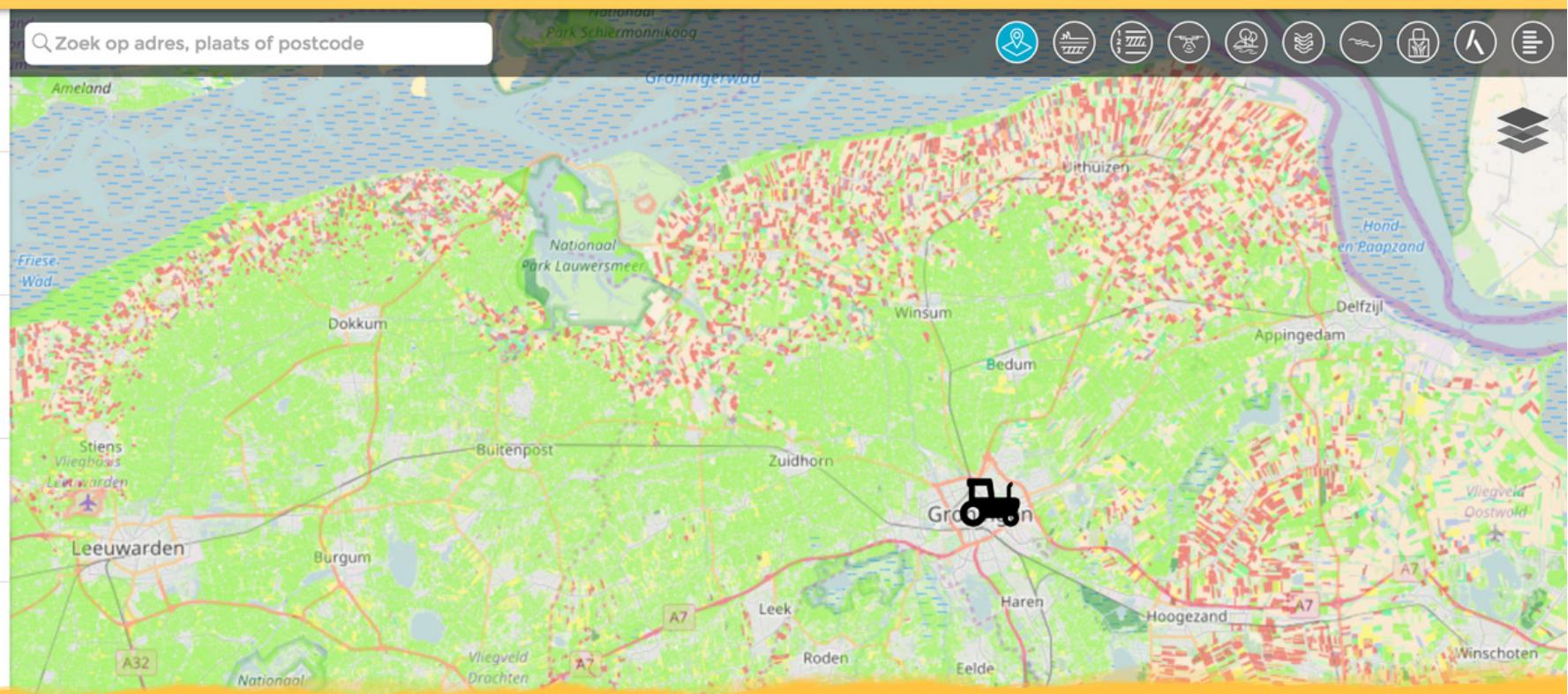
Bunders



Boeren



Profiel

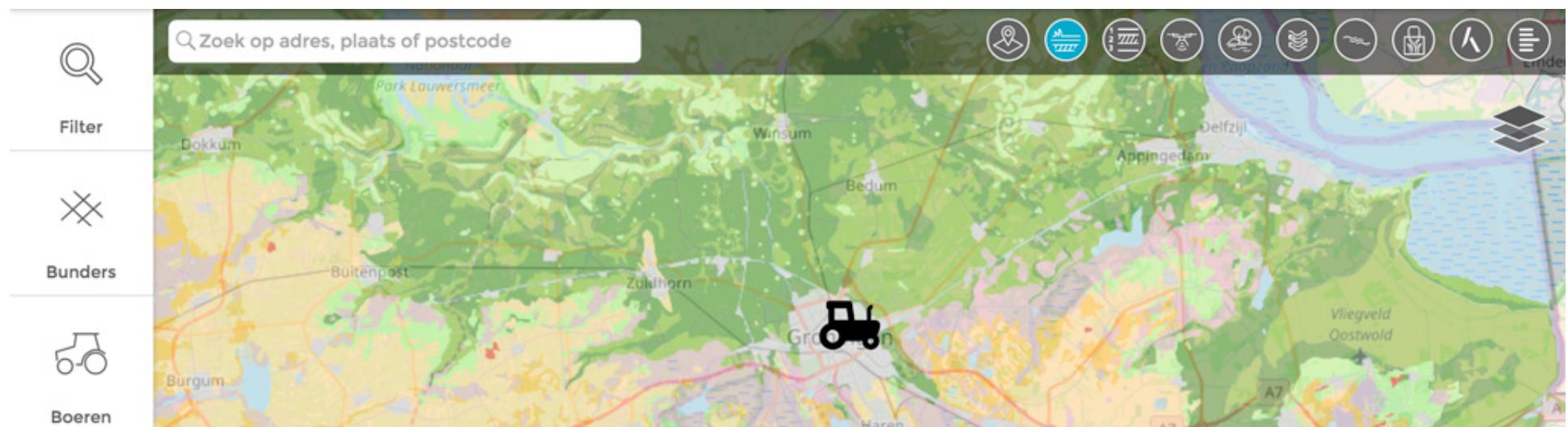


# Open data in boerenbunder

Ivor Bosloper, Foss4GNL 28/6/2017

# Mijn verhaal

- Boerenbunder; open source / open data gebaseerde website voor boeren
  - Open data afstemmen op je doelgroep brengt waarde
  - Open Source Tools



# Ivor Bosloper

<software>



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@\_ivor / @dacom



# Akkerbouw software 2011

## Sofware zonder web, mobiel, GIS en integratie

Enter time ticket for production order

		Goods movements		Actual Data
Order	920000049	Material	T1343	Growing-Fertilizer-Dry (Mechani
Oper./activity	0020	Sequence	0	tractor
Work center	01T00000	/ Plant	4000	Tractor s
Confirm.type	Partial confirmation	<input type="checkbox"/> Clear open reservations		
<b>Quantities</b>				
	To confirm	Unit		
Yield	8,180	ACR		
Scrap				
Reason for Var.				
<b>Activities</b>				
Power	To confirm	Unit	R	<input type="checkbox"/> Already Confirmed <input type="checkbox"/> Planned to
Setup			<input type="checkbox"/>	0,000
Machine	8,180		<input type="checkbox"/>	0,000
Labor			<input type="checkbox"/>	0,000
Activity 4			<input type="checkbox"/>	0,000
				0,000

Van voor  
het cloudtijdperk

LEZ

Program Edit Goto System Help

Schedule Planting & Growing task

Selection parameters

Plant	2000
Process	Planting
Field Process	
Task	T*
Requirement Date	
Production Zone	
Area	

Open data in boerenbunder

# Eerste versies

**CROP-R** Dashboard **Kaart** Registratie Apps Bosloper Roel 2013 Log uit

**Roel 2013** 67.23 ha

Aardappels roel (2.57 ha)

Achter de schuur (4.26 ha)

Bosloper (6.31 ha)

Bosloper 1 (1.61 ha)

Bosloper 2 (1.18 ha)

Bosloper 3 (8.15 ha)

Bosloper 3 B (5.78 ha)

Bosloper 4 (1.59 ha)

Bosloper 4 rand (4747 m<sup>2</sup>)

Bosloper 5 (4.84 ha)

Bosloper 6 (2.17 ha)

Bosloper 8 (2.96 ha)

Selecteer gewasperceel

Klik op een punt in een referentieveld om een gewasperceel aan te maken. Op deze locatie wordt dan een zo groot mogelijk gewasperceel gemaakt welke niet overlapt met andere gewaspercelen.

Opties

Gebruik referentie Geoboer

Gebruik referentie EBRP 2009

Gebruik referentie Prov. Antw.

Gebruik referentie Mijn kavels

Geimporteerde referentielagen

[Importeer]

Gebruik referentie Mijn laag

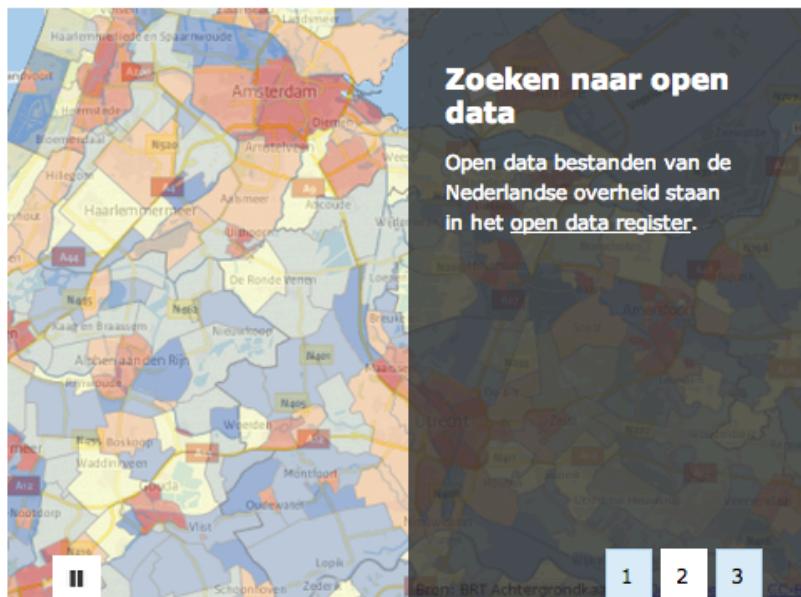
Annuleren

Open data in boerenbunder

# Open data

Data.overheid.nl: het open dataportaal van de Nederlandse overheid

Home Open Data NEXT Datasets Handreiking KennisNetwerk



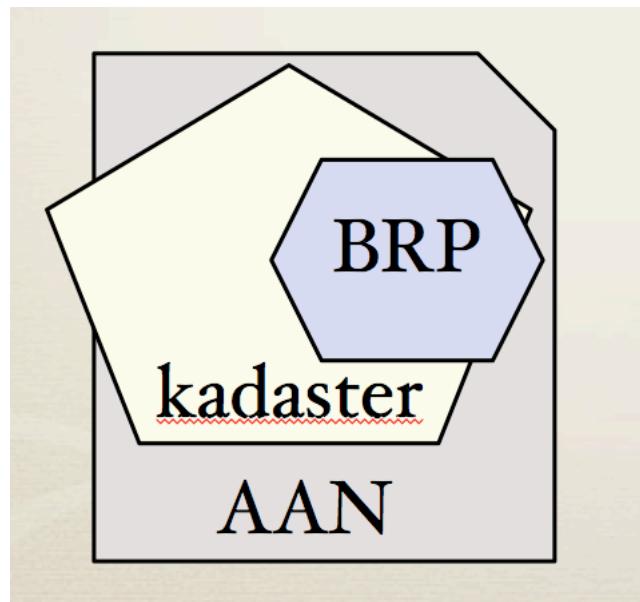
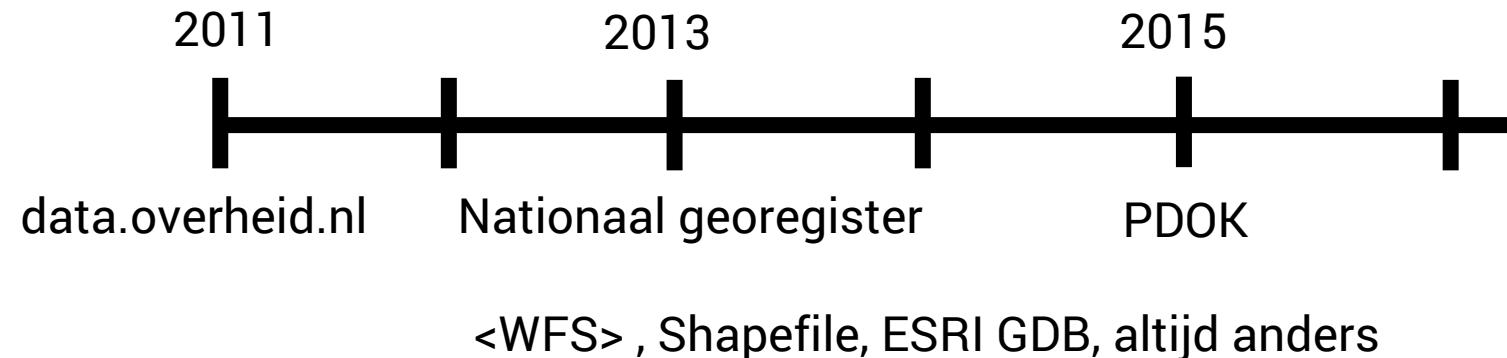
NGR Nationaal Georegister

Provinciaal GeoRegister

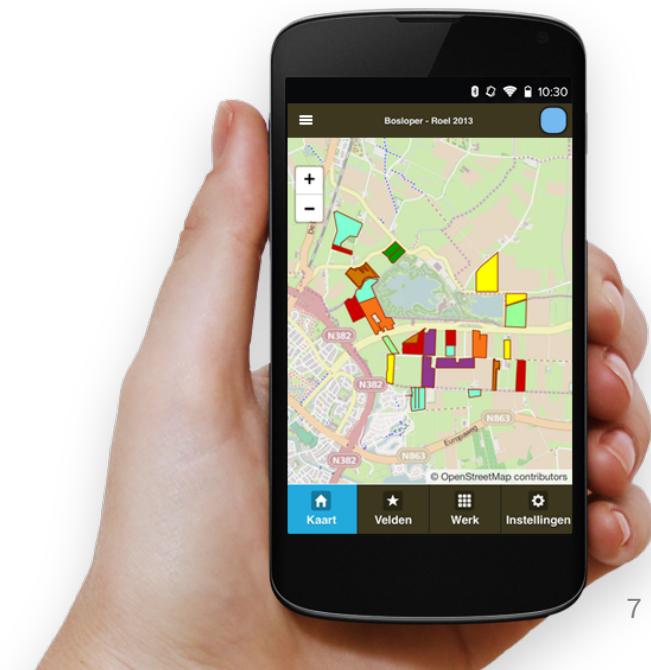
PDOK Publieke Dienstverlening op de Kaart



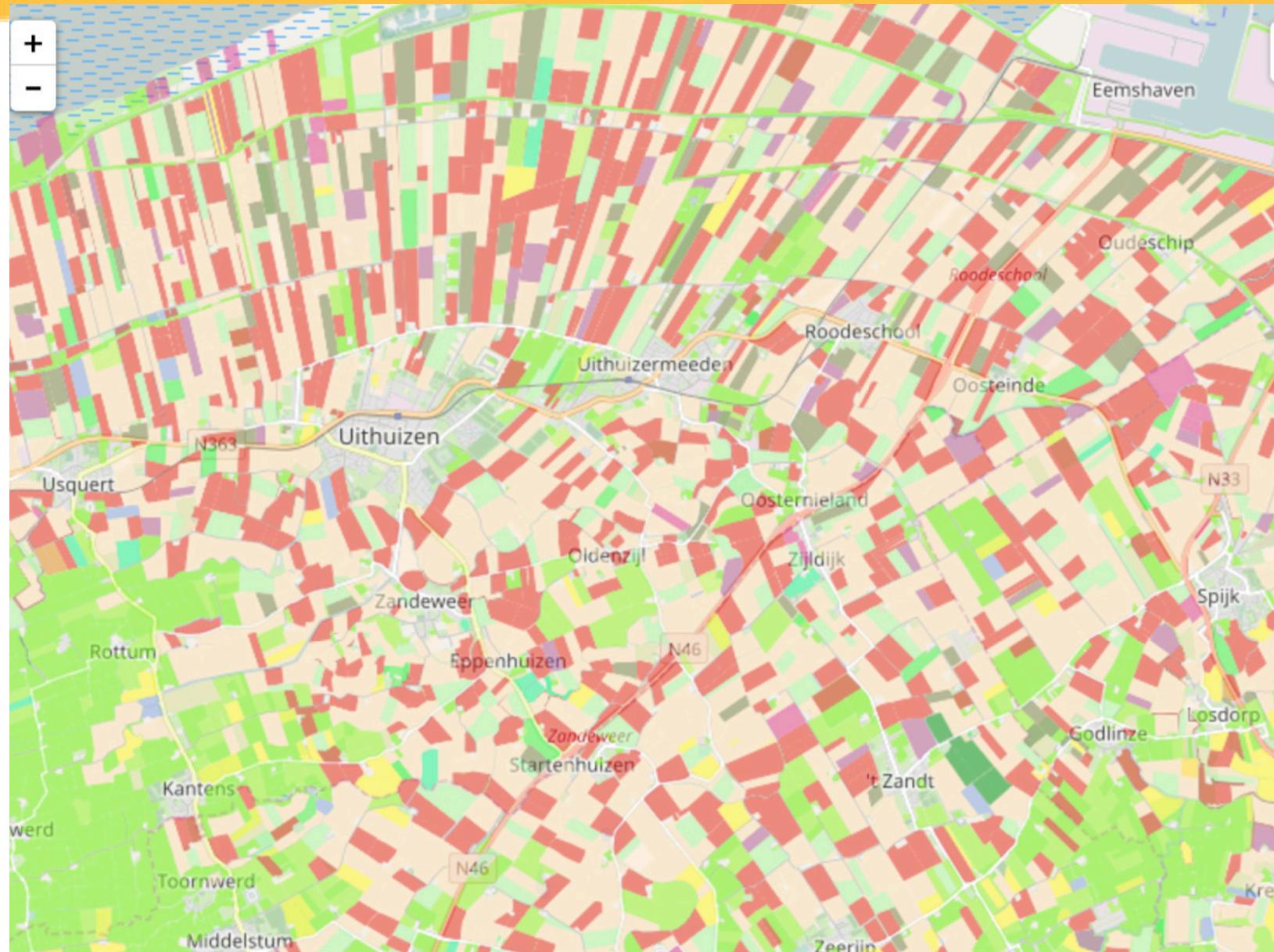
# Agrarisch Areaal NL / BRP



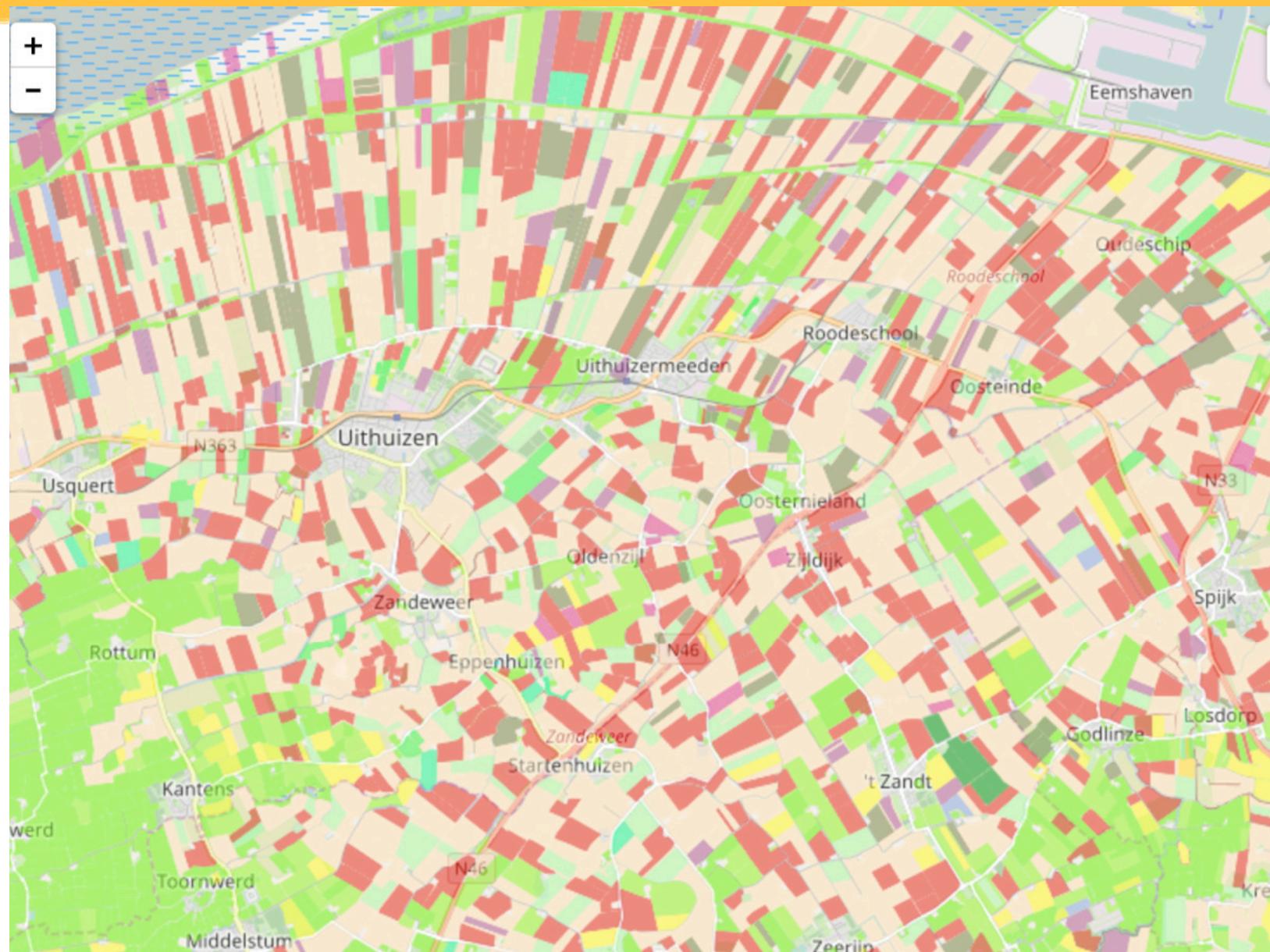
Open data in boerenbunder



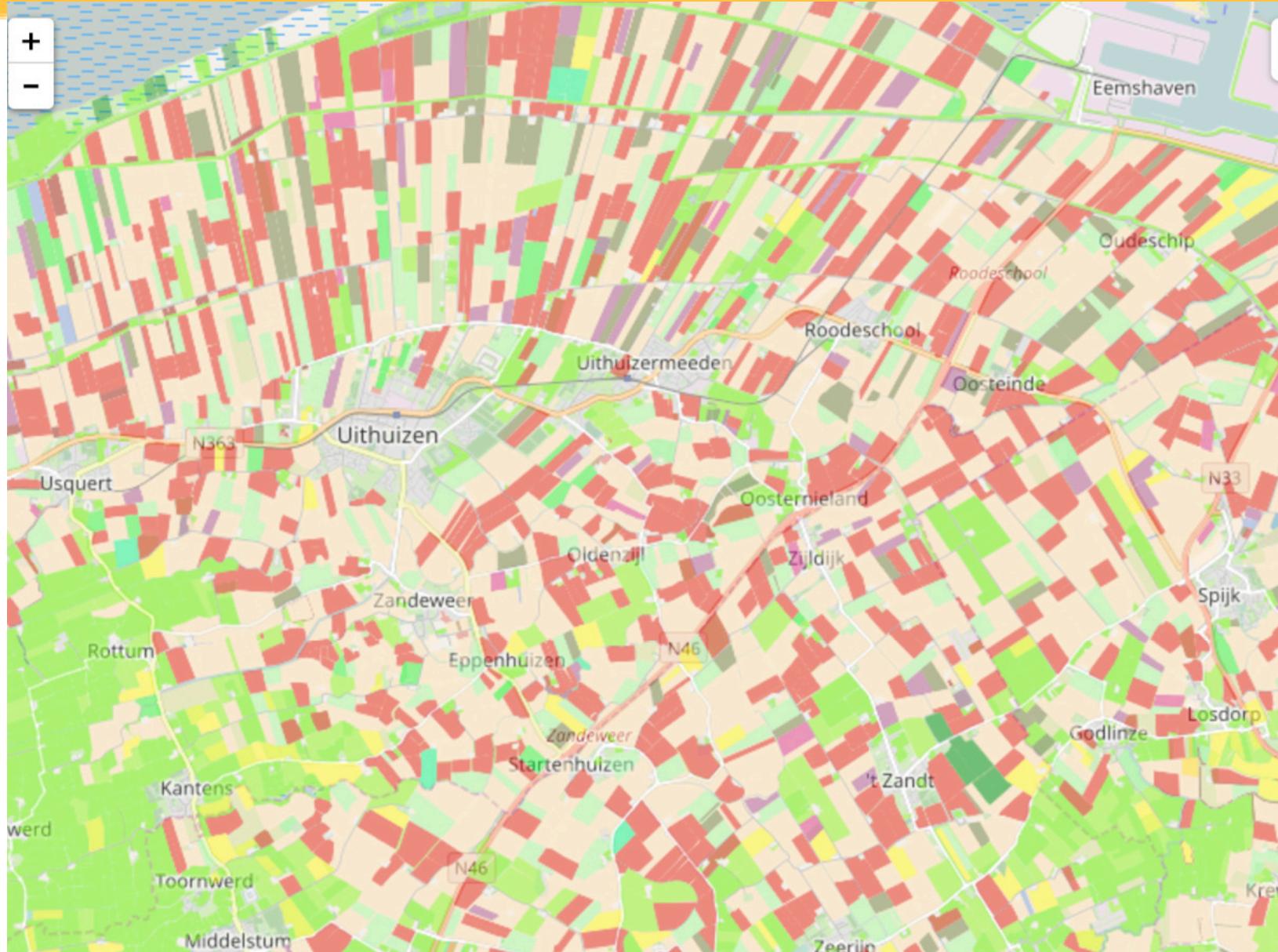
# 2010



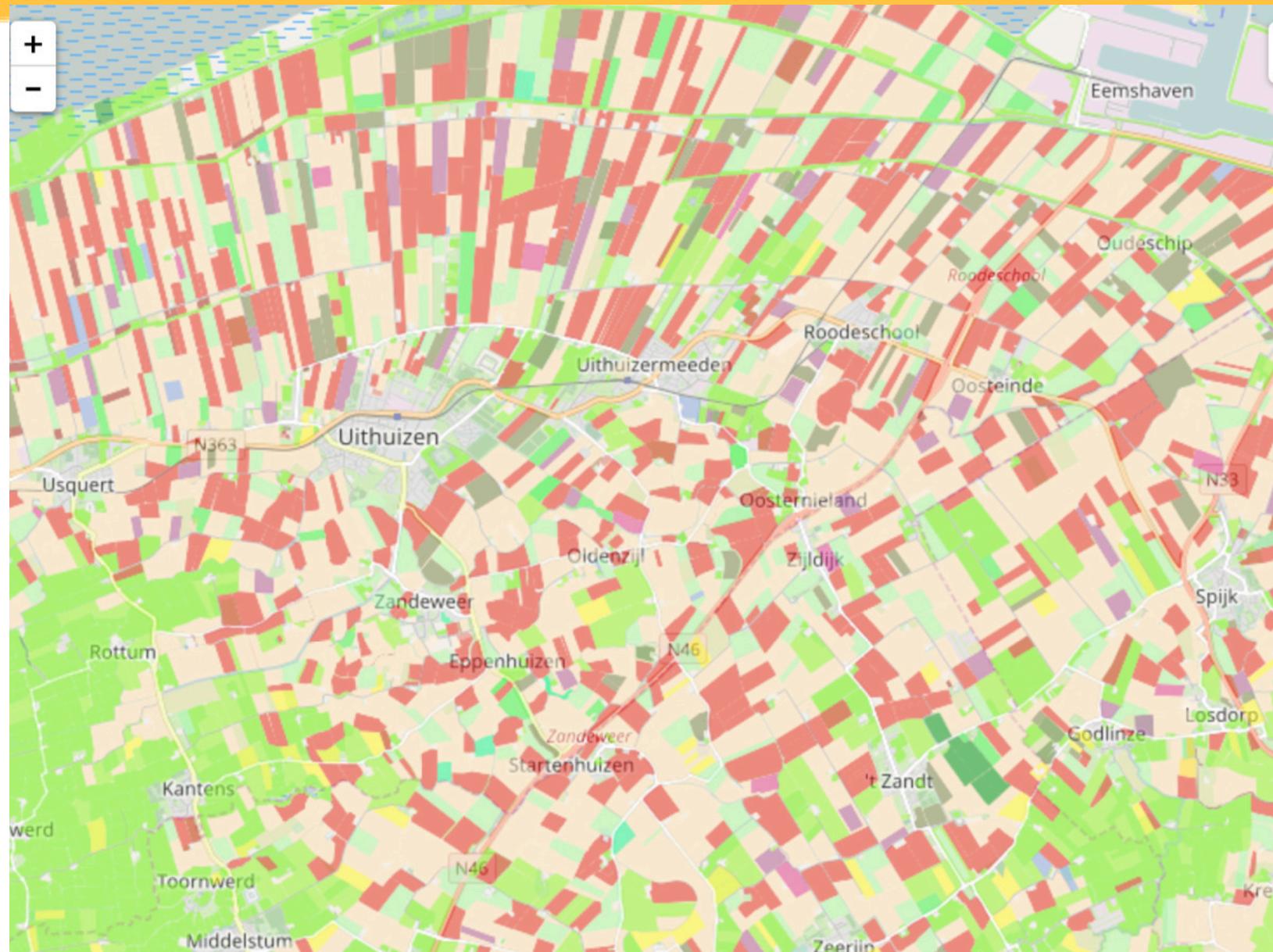
# 2011



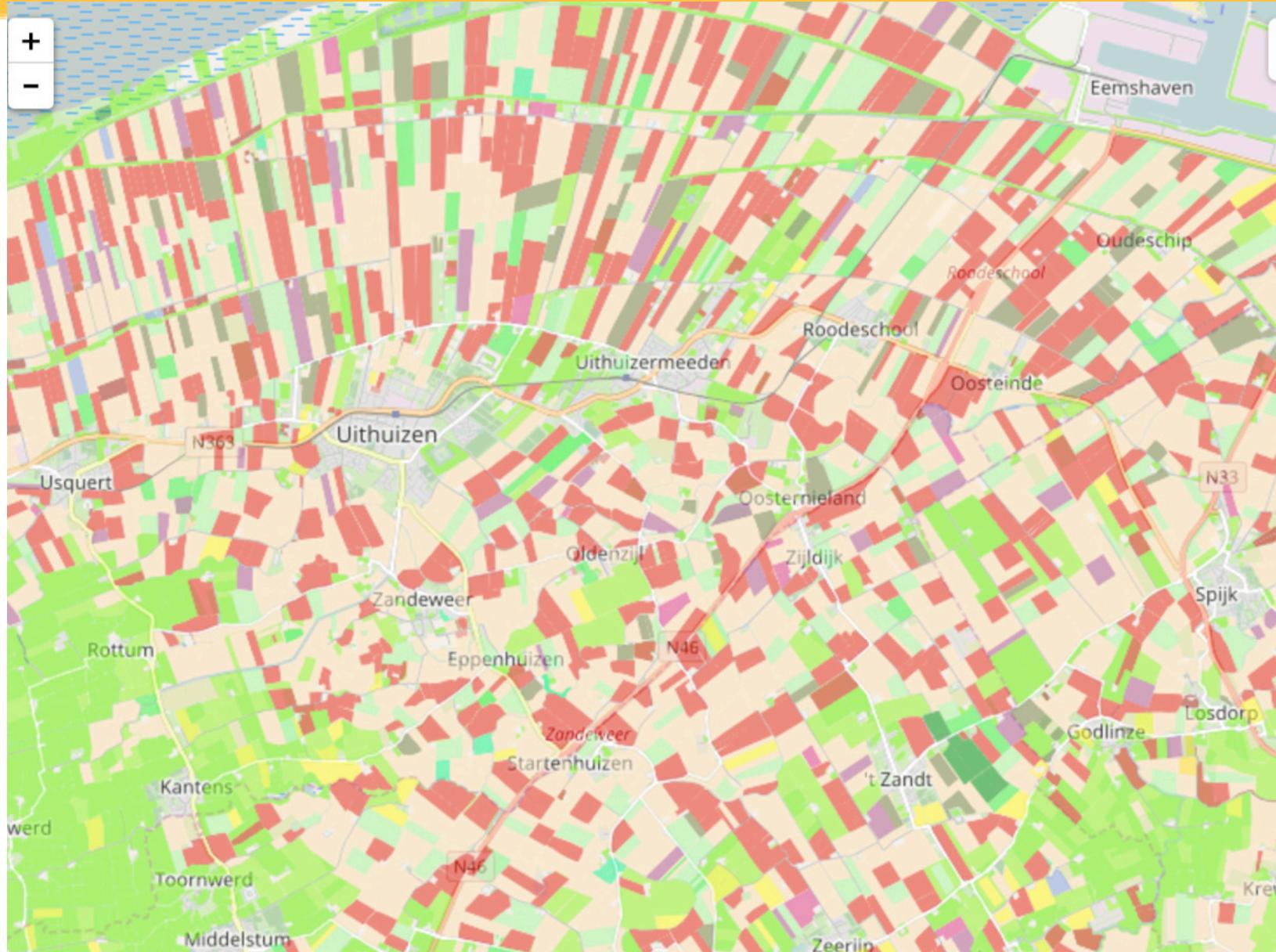
# 2012



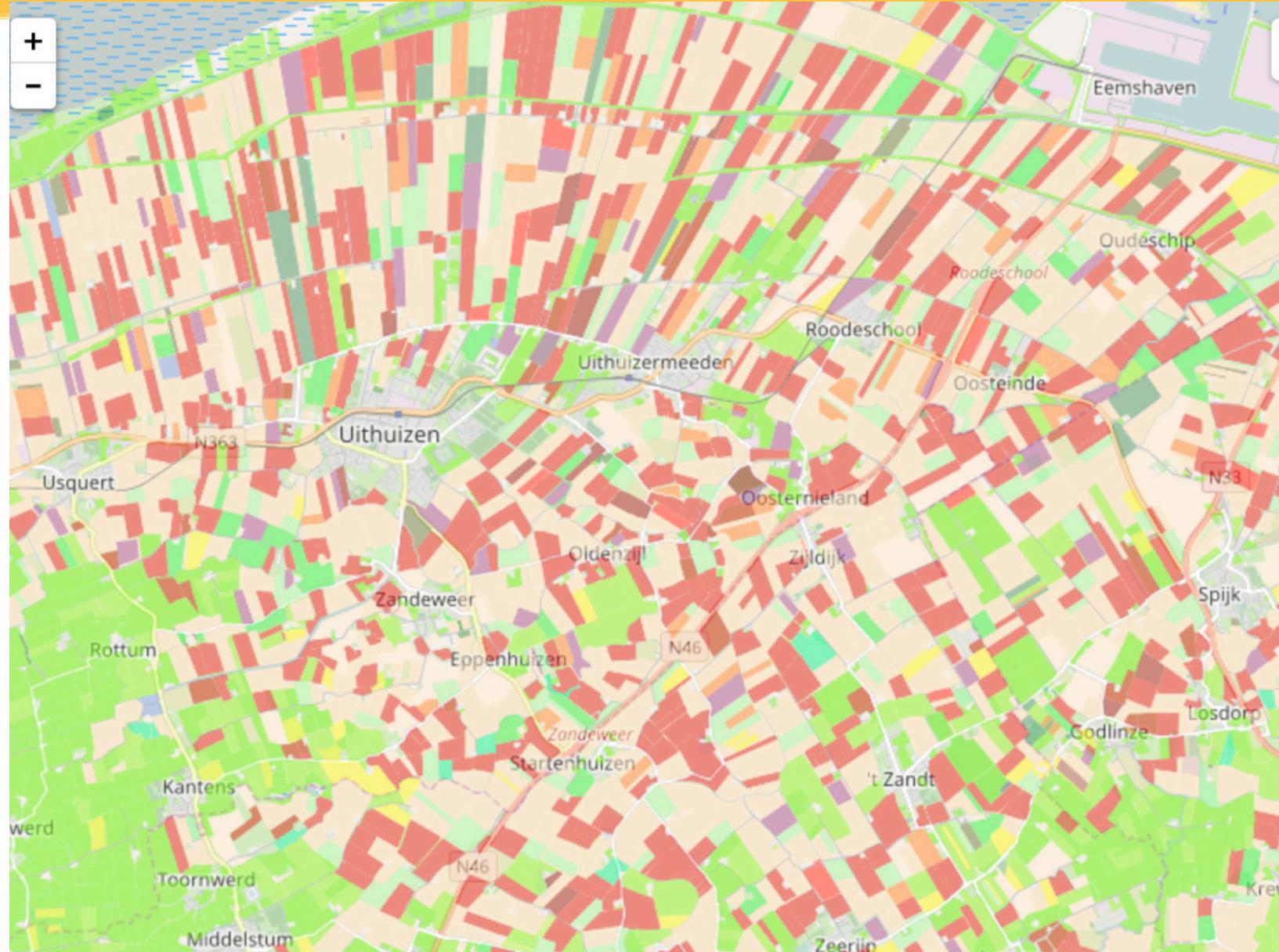
# 2013



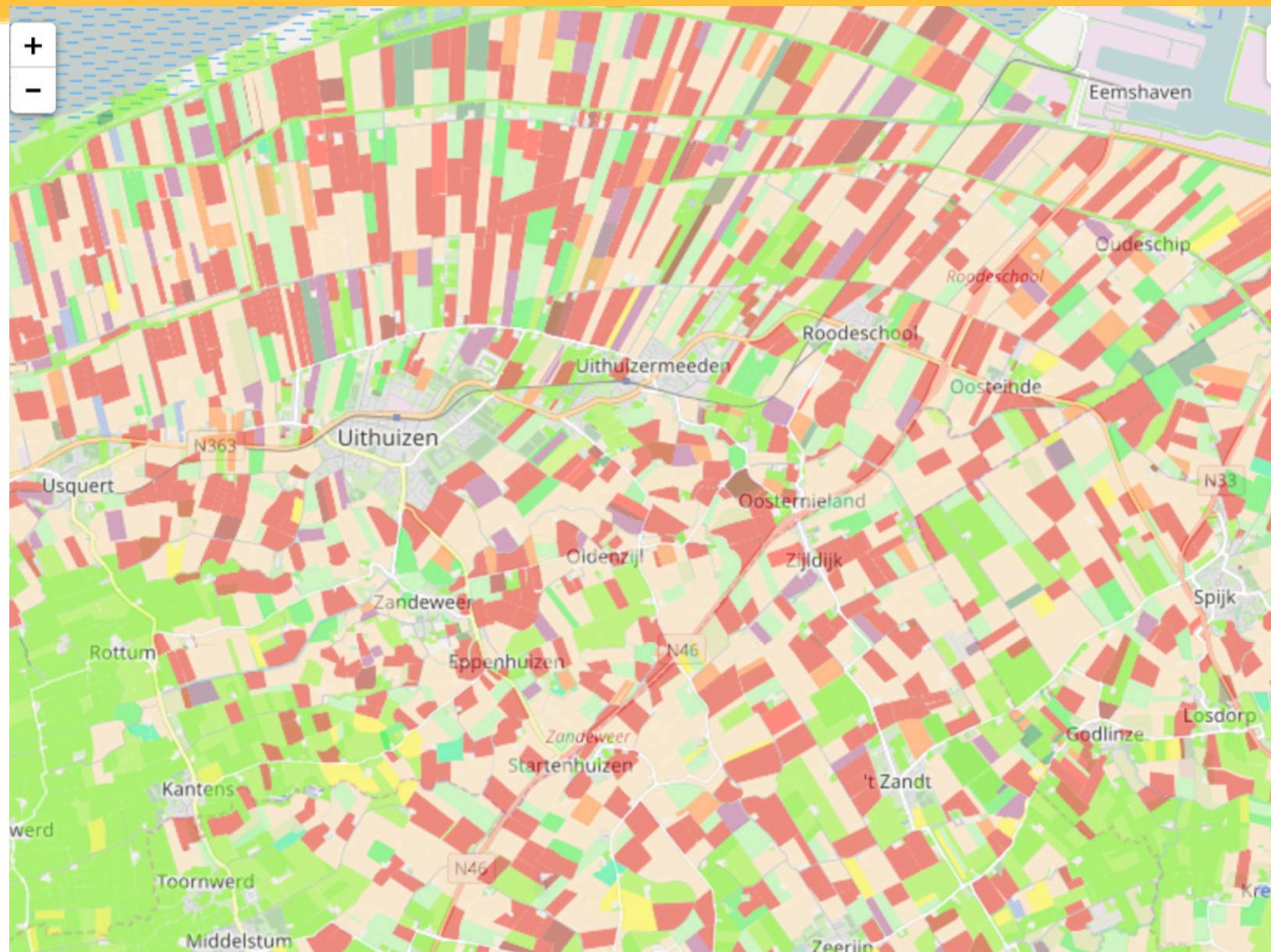
# 2014



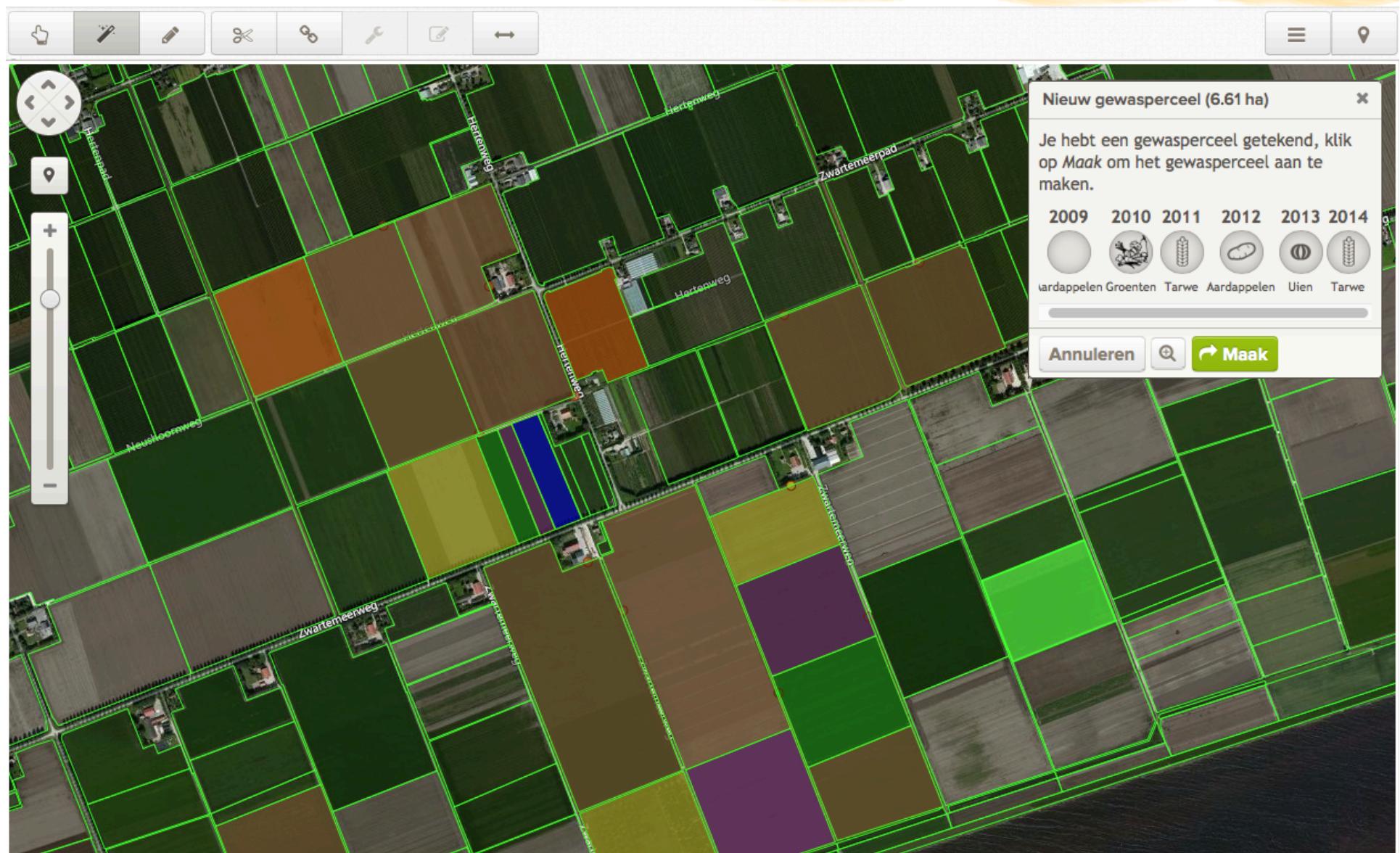
# 2015



# 2016

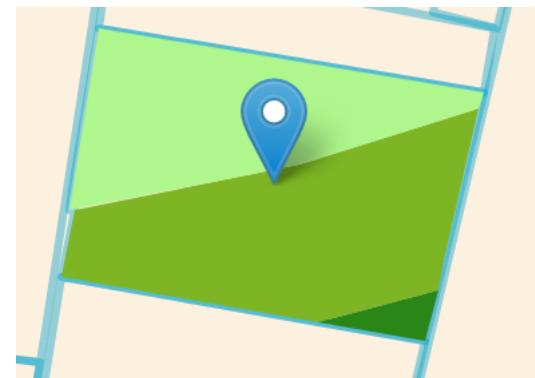


# Data-intersectie



# Data-intersectie

## Lagen afknippen binnen perceel



### Name

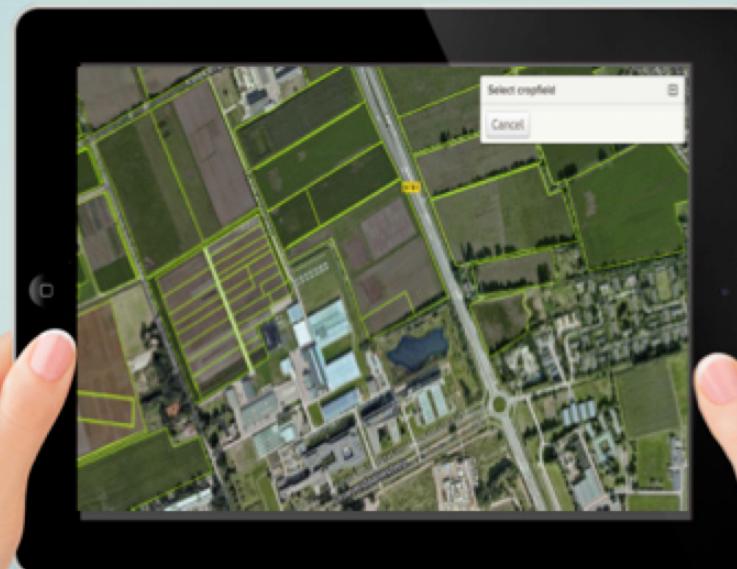
`ST_Intersection` — (T) Returns a geometry that represents the shared portion of geomA and geomB.

### Synopsis

```
geometry ST_Intersection( geometry geomA , geometry geomB );
```

# Boerenbunder pitch

Farmlayer  
*(open) farm data on the map*



Pitch Godan workshop 19 januari 2015

# Visueel vs attributen



## Objectinformatie

### Actieve hoogvenen (verspreiding) [wms]

Resultaat 1 van 1		<input type="button" value="Wissen"/> <input type="button" value="Tabel"/>
Name	Value	
Gml_id	HR_habitattypen_distribution.32	
Maptype	Distribution	
Category	Habitat	
Area	4400.0	
Isocode	NL	
Shape_leng	1140000.0	
Shape_area	4.4E9	
Biogr_code	ATL	
Hab_code	7110	
Hab_name	Active raised bogs	
Hab_common	Actieve hoogvenen	

# Resultaat: boerenbunder.nl

Secure <https://boerenbunder.nl/#b/52.47979,5.57035/2016/15/kenmerk>

BOER&BUNDER by DACOM

Over Boer&Bunder Blog Zo werkt het Contact

Terug naar zoeken

Kenmerken Grondsoort Groei Hoogte

## KENMERKEN

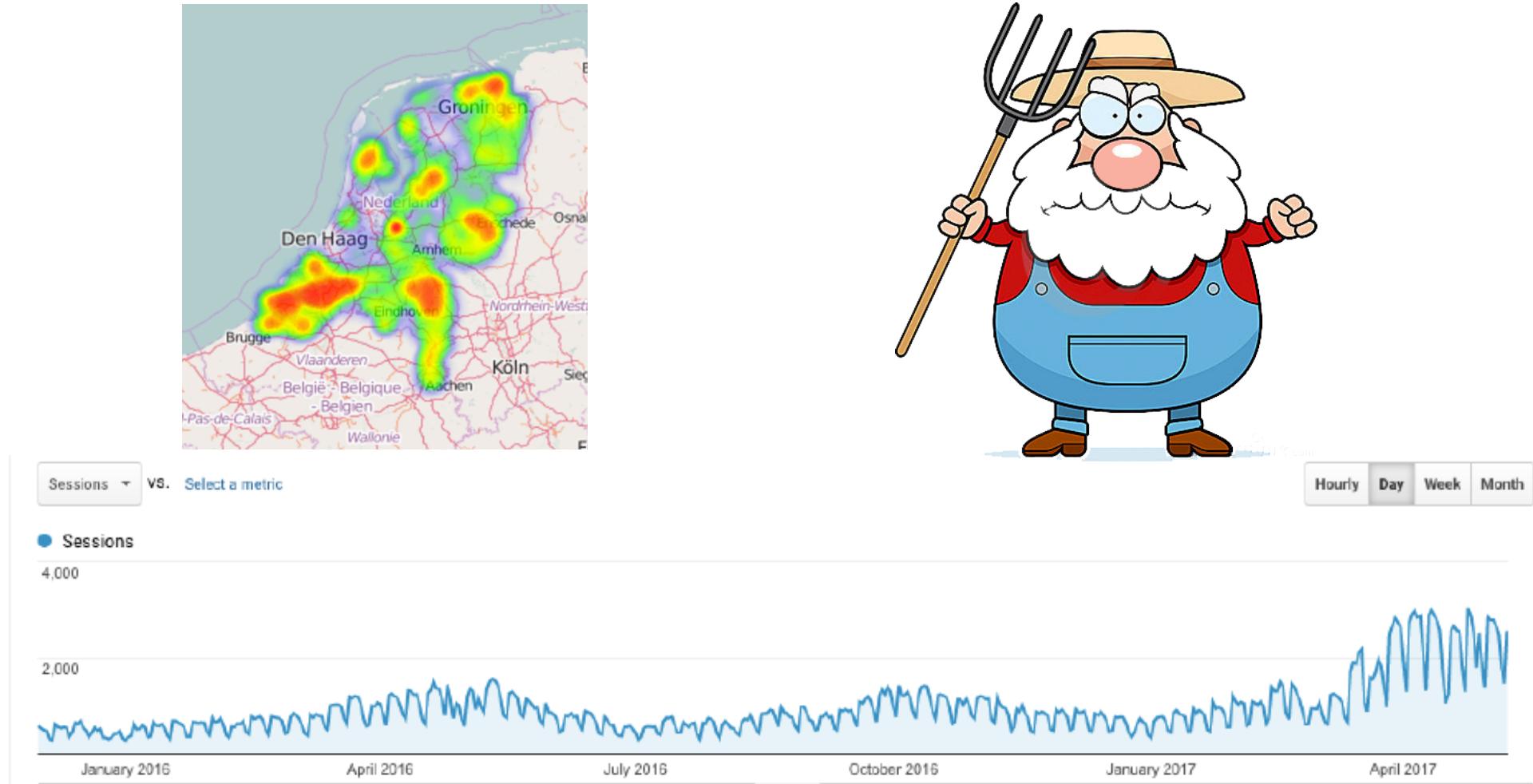
Omvang: 29.02ha  
XY coördinaten: 167442, 499134  
GPS coördinaten: 52.47979, 5.57035

### GEWASROATATIE

2011	2012	2013	2014	2015	2016
dappelen	Tarwe	Bieten	Bieten	Aardappelen	Tarwe

Geef feedback

# Reactie



# Perceelskenmerken

BOER&BUNDER by DACOM

Gewas Aardappelen, consumptie  
Gewasgroep Aardappel  
GPS coördinaten 51.71795, 4.47917  
XY coördinaten 92253, 414748  
Oppervlakte 26.23 ha

Kenmerken Grondsoort Groei Hoogte Meer

Kenmerken 2012 Tarwe 2013 Tarwe 2014 Groenten 2015 Tarwe 2016 Aardappelen

Overige kenmerken

Delen Factsheet .SHP

Uitloggen Blog Over Boer&Bunder Contact

Lange Boomweg

sterse Polderdijk Schuringsch Haven

Dacom | © OpenStreetMap contributors

The screenshot shows a web-based platform for managing agricultural land parcels. On the left, a sidebar lists navigation options: Filter, Bunders, Boeren, Profiel, Labs, and Kaart. The main content area displays detailed information about a specific land parcel, including its crop type (Aardappelen, consumptie), group (Aardappel), GPS coordinates, XY coordinates, and area (26.23 ha). It also shows icons for soil type, growth, height, and more features. Below this, a timeline shows cultivation history from 2012 to 2016. Further down, other features like warning signs and soil tests are listed. At the bottom, there are links to share, download as a factsheet or SHP file, and log out. The right side features a map of the land parcel's location, with roads labeled 'Lange Boomweg' and 'sterse Polderdijk'. A legend at the top of the map includes icons for location, elevation, slope, water, vegetation, and more. The map also includes a blue location pin and zoom controls.

# Grondsoort

BOER&BUNDER by DACOM

Uitloggen Blog Over Boer&Bunder Contact

Kenmerken Grondsoort Groei Hoogte Meer

Grondsoort: Lichte zavel: 3% Zware zavel: 88% Lichte klei: 10% KLEI: 100%

Gronds. mestwet:

Delen Factsheet .SHP

Dacom | © OpenStreetMap contributors

# Hoogtekaart



# Schaduw zones



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# Kadaster

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Kenmerken Grondsoort Groei Hoogte Meer

**Kadaster**

Kad. perceel NMD00 D 1096 (0.23 / 1.23 ha)  
Kad. perceel NMD00 D 1095 (25.24 / 25.41 ha)  
Kad. perceel NMD00 D 1083 (0.05 / 0.33 ha)  
Kad. perceel NMD00 D 1085 (0.37 / 3.42 ha)  
Kad. perceel NMD00 D 403 (0.35 / 0.35 ha)

we Oosterse Polderdijk  
Schulingsch Hol NMD00  
NMD0083  
D 403  
NMD00  
D 1085

Lange Boomweg

Dacom | © OpenStreetMap contributors

**Delen** **Factsheet** **.SHP**

# Satelliet

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Uitloggen Blog Over Boer&Bunder Contact

Filter Kenmerken Grondsoort Groei Hoogte Meer Natuur Geen natuurbeheer bekend

Bundlers

Boeren

Profiel

Labs

Kaart Schaduwkaart Delen Factsheet .SHP

Natuurbeelden

Datum	satellietbeeld	NDVI
01-01-2016	-40	-40
01-02-2016	-35	-35
01-03-2016	18	18
01-04-2016	20	25
01-05-2016	30	25
01-06-2016	50	45
01-07-2016	75	75
01-08-2016	65	75
01-09-2016	55	70
01-10-2016	35	35
01-11-2016	40	40
01-12-2016	0	0
01-01-2017	10	10
01-02-2017	-10	-10

Lange Boomweg

We Oosterse Polderdijk

Schijndelshaven

Dacom © OpenStreetMap contributors

Open data in boerenbunder

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# Bodemvocht

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Uitloggen Blog Over Boer&Bunder Contact

Filter Kenmerken Grondsoort Groei Hoogte Meer

Kenmerken: onder boombladeren (green), bebouwing (red)

Bunders

Boeren

Profiel

Labs

Kaart

Bodemvocht

Bodemvocht bovenste 5cm

0.28 0.30 0.32 0.34 0.36 0.38 0.40 0.42

18-04-2016 21-05-2016 04-07-2016 17-08-2016 30-09-2016

Foto's Delen Factsheet .SHP

Map showing soil moisture levels across agricultural parcels. A blue dot marks the location of the moisture profile. Labels include Schuringse dijk, Lunterenweg, and Oude Postzijde.

Dacom | © OpenStreetMap contributors

Open data in boerenbunder

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# No fly zone

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Uitloggen Blog Over Boer&Bunder Contact

Filter

Bunders

Boeren

Profiel

Labs

Gewas Uien, zaai-  
Gewasgroep Ui  
GPS coördinaten 52.54525, 5.60703  
XY coördinaten 169912, 506424  
Oppervlakte 14.05 ha

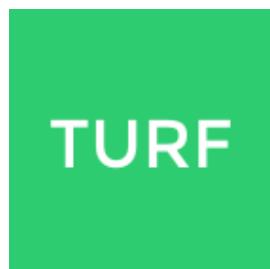
Kenmerken Grondsoort Croei Hoogte Meer

Kenmerken Tarwe Aardappelen Grasland Grasland Uien

Overige kenmerken Vb

Delen Factsheet .SHP

# Stack



Client



Server

# Stack2





**THAT'S ALL, BEDANKT**

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