

Green transformation

Teams 22 October 2021

Check in

- Short introduction
 - Who is who?
- Any questions?
 - Chat or raise hand

Objective

- Inspiration
 - Content of green transformation
 - Didactics
- Demarcation
 - Not all the details regarding green transformation
- Emphasis
 - Train the trainer
- Questions
 - How and why?

Program

- 10.00 start and explanation program
- 10.05 – 10.20 Introduction Esther
- 10.30 – 10.45 What is green transformation. Interactive discussion, led by Marinus
- 10.45 – 11.00 Break
- 11.00 – 11.45 ~~Green transformation of Amsterdam, a presentation by a representative of the municipality --> cancelled due meeting alderman~~
- Challenges greening Amsterdam by Paul
- Discussion: how would this be applicable in for Bucharest?
- Green data, few examples by Marinus
- 11.45 – 12.00 Break
- 12.00 – 12.30 Example how HAS university incorporate this into the education, led by Paul
- 12.30 – 12.45 What is needed if a similar approach is done in Bucharest
- 12.45 Wrap up

What is green transformation?

- <https://www.wooclap.com/SMYLZG>



Which word will indicate green transformation for you as lecturer?

Which word will indicate green transformation for your students?

Which word will indicate green transformation for your policy makers?

What kind of expertise/ is needed to implement the green transformation?

.

Which skills (data) are needed for green transformation?

.

Which skills (design) are needed for green transformation?

Which skills (stakeholders) are needed for green transformation?

.

Which skills (process) are needed for green transformation?

.

What kind of attitude is needed for the green transformation?

Examples of ecosystem services in the Netherlands



Regulating services: benefits obtained from the regulation of ecosystem processes

Provisioning services: products obtained from ecosystems

Cultural services: non-material benefit that people obtain from ecosystems

<https://www.pbl.nl/en/infographic/examples-of->

Which ecosystem service will be most important for you to implement in Bucharest?

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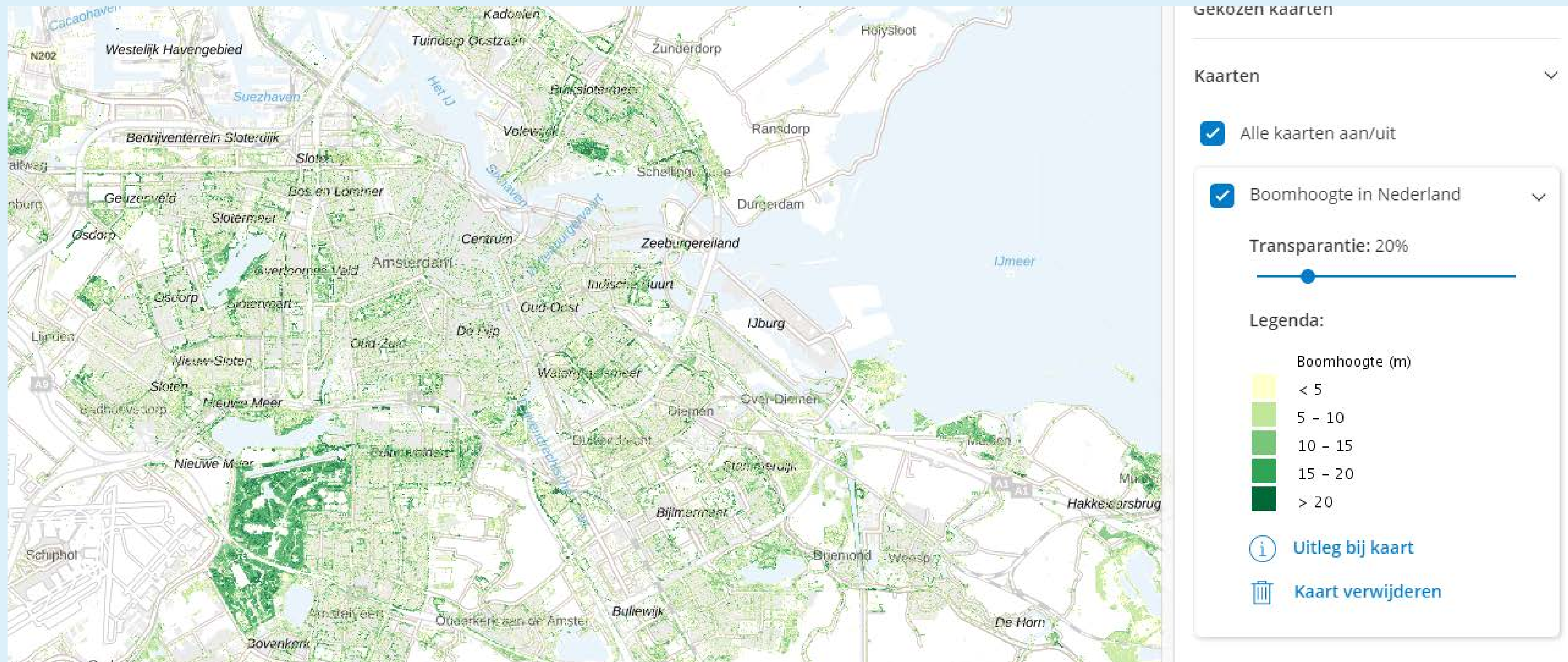
Quotes

- **Frans Timmermans:** We can do the Green Transition – we have the science, the technology and we can certainly find the means
 - <https://greentransition.bg/2021/09/18/frans-timmermans-we-can-do-the-green-transition-we-have-the-science-the-technology-and-we-can-certainly-find-the-means/?lang=en>

???

Knowledge, wisdom

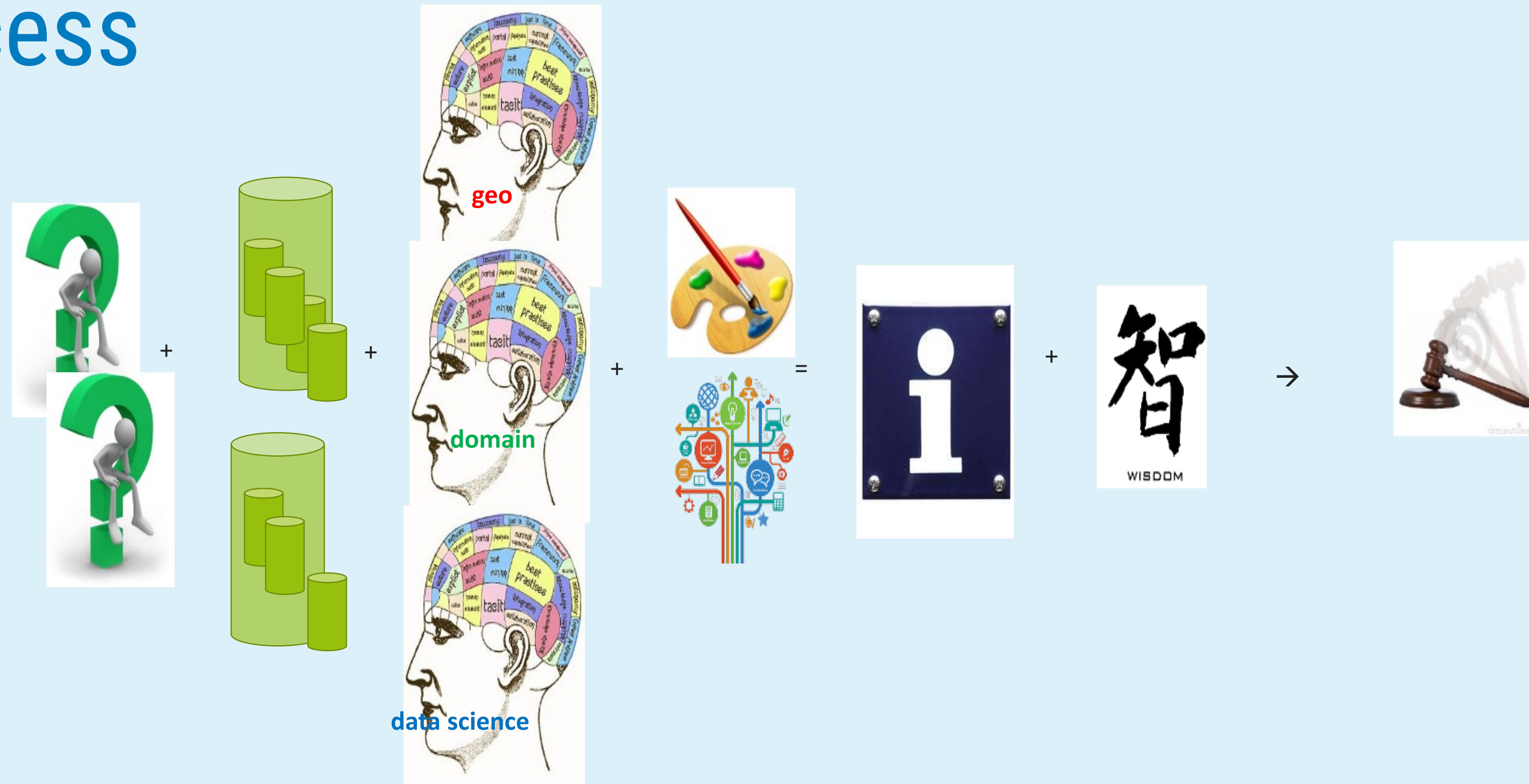
Challenges Greening Amsterdam



Examples Green (geo) data I

- Different sources
 - Satellite imagery
 - Clouds, processing, “costs”
 - Lidar
 - Aerial photos
 - Field collection
 - Quality, consistency, costs
 - Crowd sourcing

Process



Interactive,
Not linear

Question(s) + data + knowledge (3x) + interface/visualisation
→ information + wisdom → decision

Example themes

Heat stress



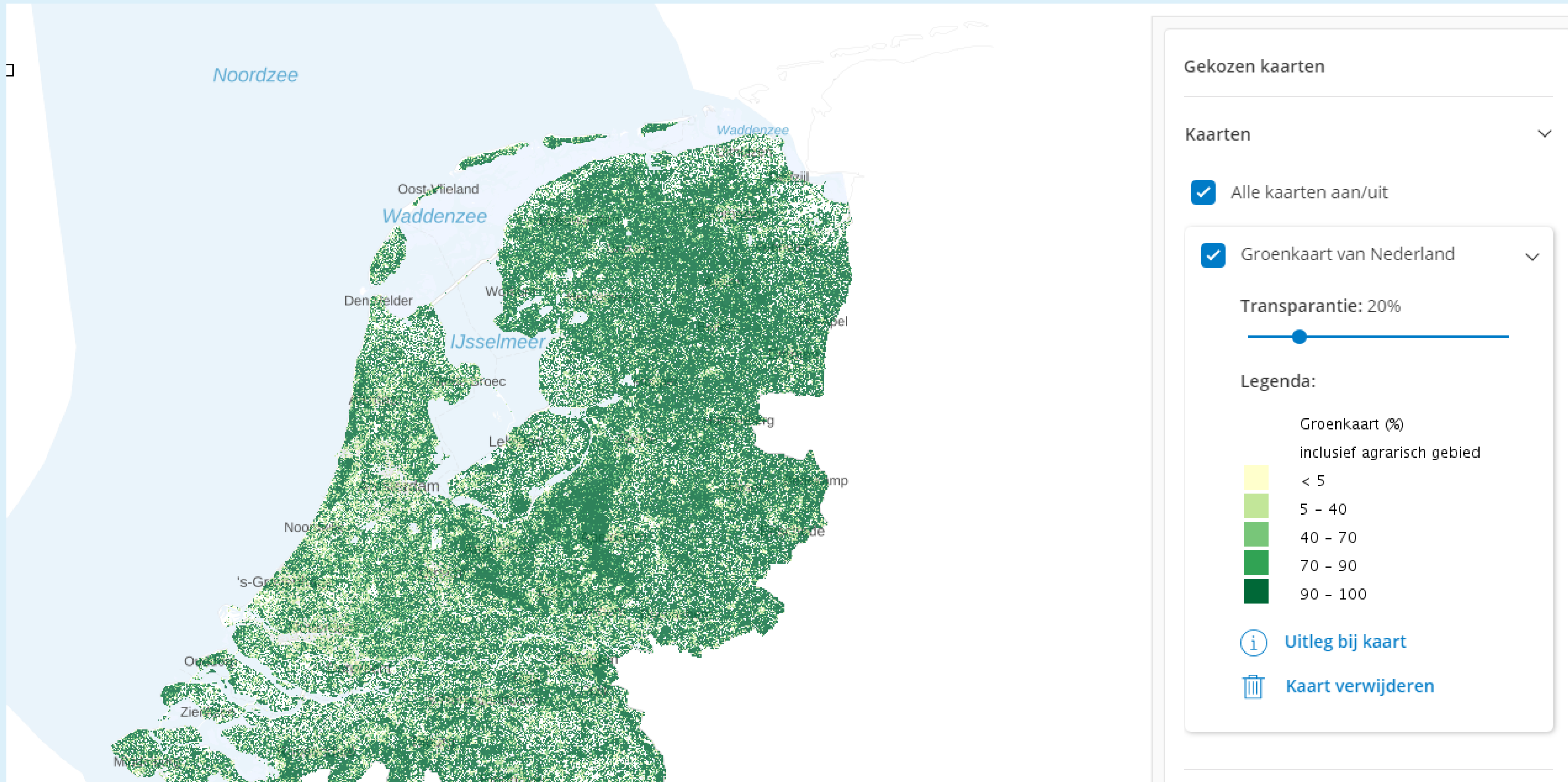
Cooling down



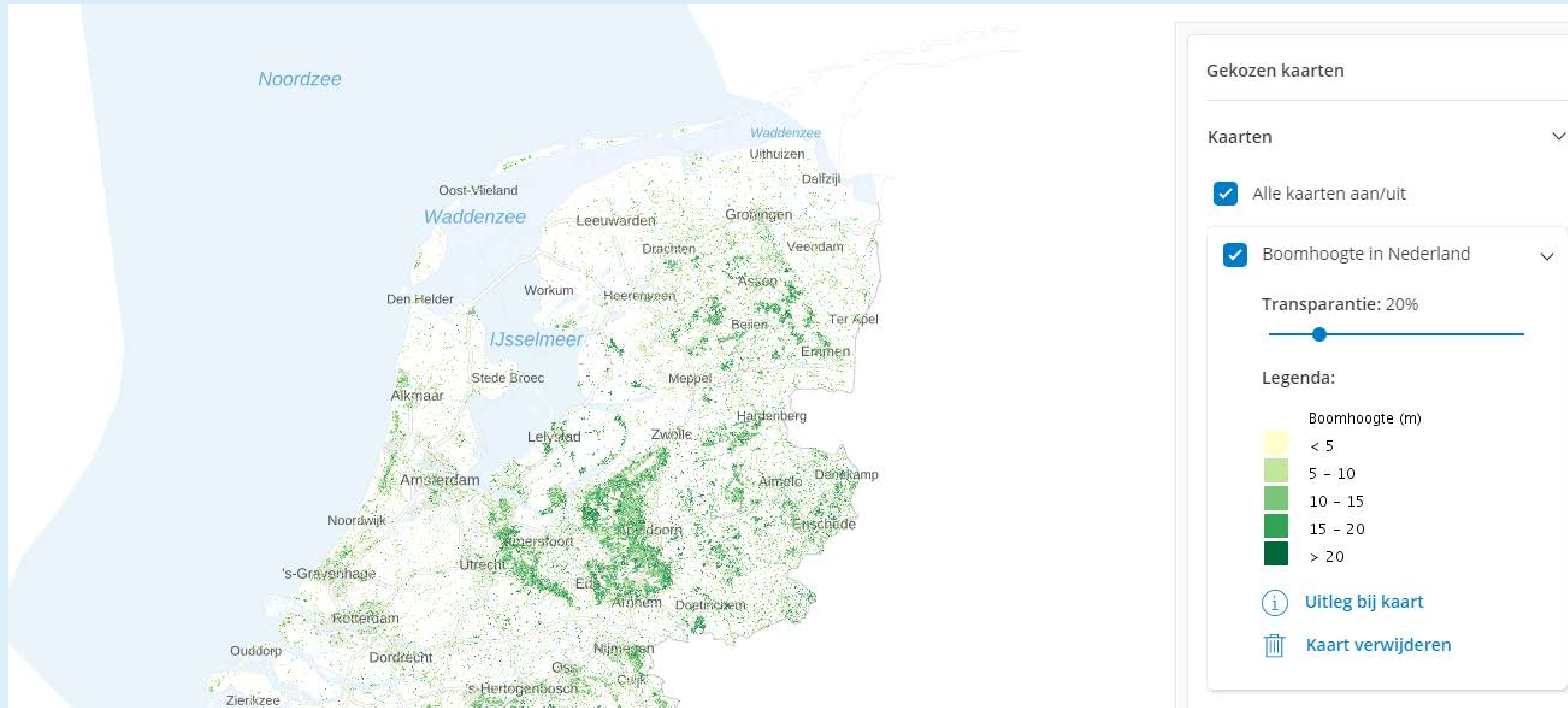
Wind chill



Green map of the Netherlands



Tree height

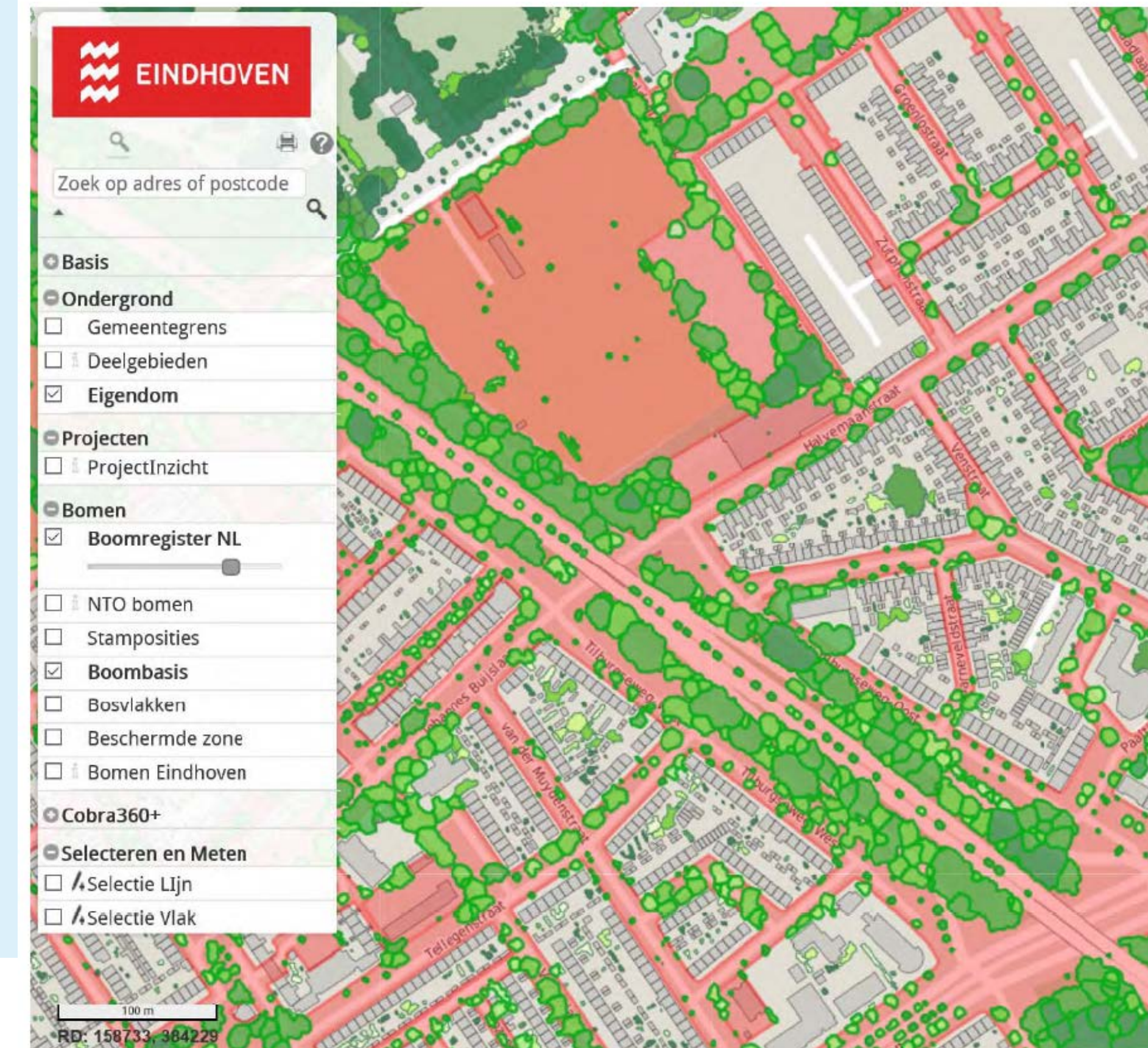


Tree monitor

Tree monitor
(2016, 2017, 2018, 2019)

Source: satellite and field

Definition:
vegetative object > 3 m,
tree crown > 2 m²





Check your location

Ernst Ruskaveld 11, 5223AW 's-Hertog

Of klik in de kaart om een locatie te kiezen

1. Adresinformatie

- Adres: Ernst Ruskaveld 11
5223 AW 's-Hertogenbosch
- Gemeentenaam: 's-Hertogenbosch
- Gebruiksdoel: woonfunctie
- Bouwjaar pand: 2019
- Energie label pand: Geen informatie gevonden

2. living environment quality

- Fijnstof in de lucht (2019): 12 µg PM_{2,5} / m³
- Stikstofdioxide in de lucht (2019): 21 µg NO₂ / m³
- Geluid in de omgeving: 59 dB
- Zomerhitte in de stad: + 1.9 °C t.o.v. landelijk gebied
- Schaduwrijke bomen binnen 500 meter: 3% van het oppervlak
- Groen binnen 500 meter: 21% van het oppervlak
- Hoe donker is het 's nachts?: 284 zichtbare sterren

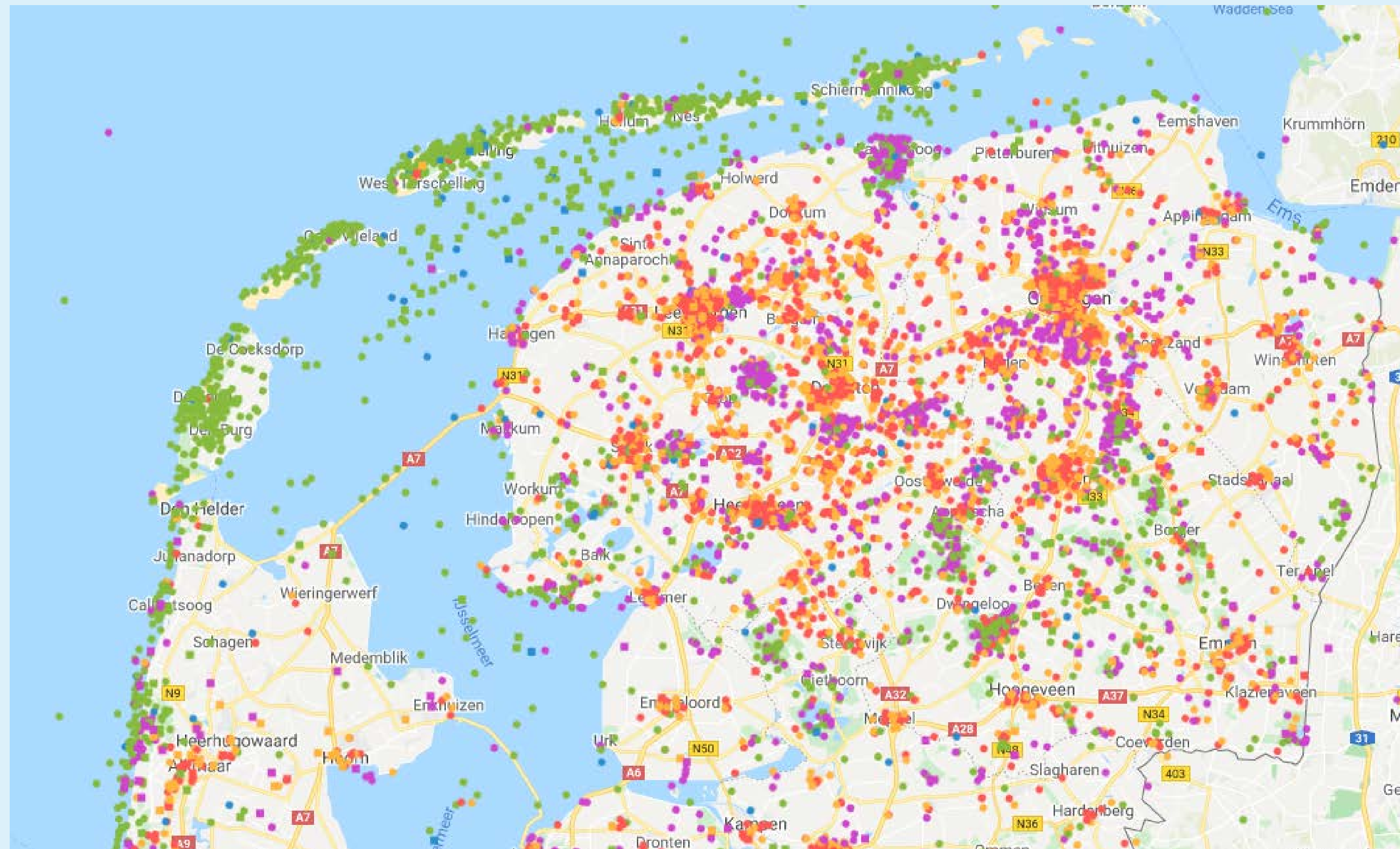
3. B neighbourhood

- Gemiddelde woningwaarde in 2020: € 200.000
- Mate van stedelijkheid van de buurt: Sterk stedelijk
- Aantal huisartspraktijken binnen 3 km: 8
- Aantal kinderdagverblijven binnen 3 km: 11
- Aantal basisscholen binnen 3 km: 9
- Aantal supermarkten binnen 3 km: 17
- Sport- en beweegmogelijkheden: Goed
- Afstand tot treinstation: 1.2 km
- Afstand tot oprit hoofdweg: 2.7 km

Information for Citizen

Public participation

Greenmapper: value nature and landscape



Select a level ▾

- Reset
- Neighbourhood
- Living area
- Country
- Worldwide

Homework

- . What are the major issues in the municipality, in relation to the topic (e.g. green transformation)?
- . Who are the involved stakeholders?
- . Is a project already active regarding the topic? Is this project in a design phase or already in implementation phase?
- . Are data and reports available for students to work with? What data and expertise will be needed?

Mostly discussed, needed for good projects

Next: session 2 Urban biodiversity (26/11)



How is the biodiversity in Bucharest?

Evaluation

- <https://www.wooclap.com/SMYLZG>



Which word will you use to summarize this session?