FutureTrees: Predicting the future of urban trees and their ecosystem benefits

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Model trees

We know its ecosystem benefits

We know where every tree is in north western Europe

SomenMonitor

SBIR

Innovatie

Insten

Ecosyster,

KNMI scenario's

Can we predict climate change and the effects per tree?

Climate

scenarios

(IPCC)



FutureTrees



+ climate change, + info on ecosystem services

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

Climate Change 2022 Impacts, Adaptation and Vulnerability



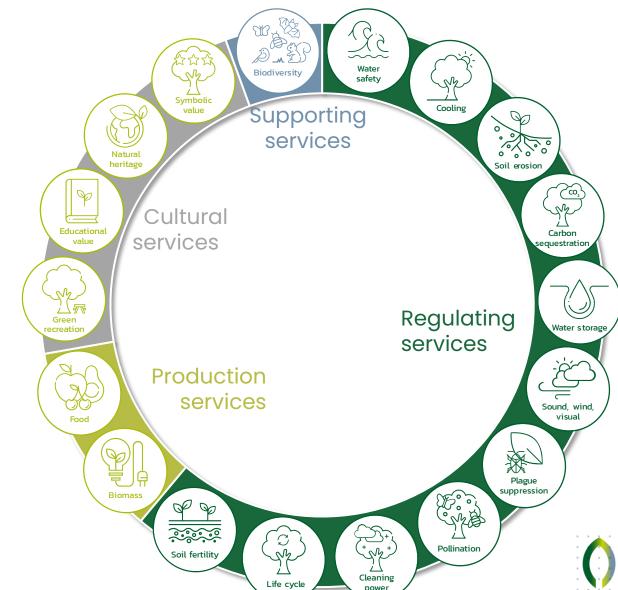
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WGII

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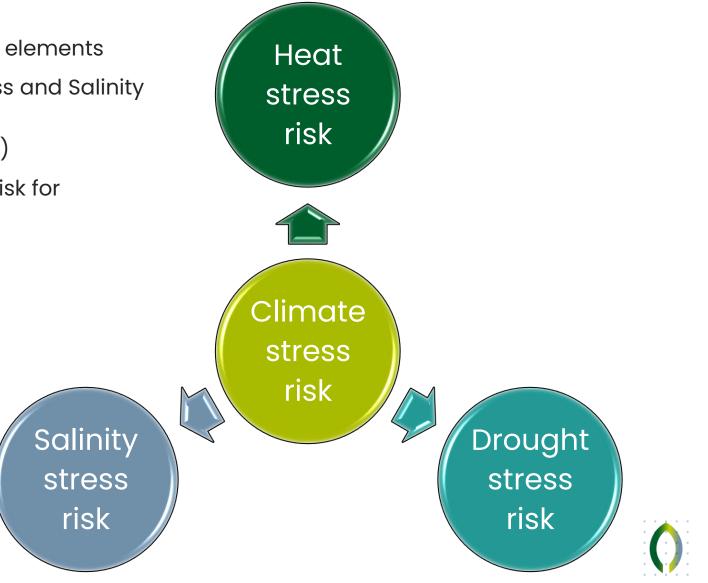
WHO UNEP

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What is that, climate stress risk?

- Climate stress is big! Dependent on multiple elements
- Currently based on Heat stress, Drough stress and Salinity stress
- More risks in the making (flooding stress, etc)
- It defines, per area, what the climate stress risk for vegetation is



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😪 Klimaatstressgebieden Helmond 🗴 🕂

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Klimaatzones Helmond

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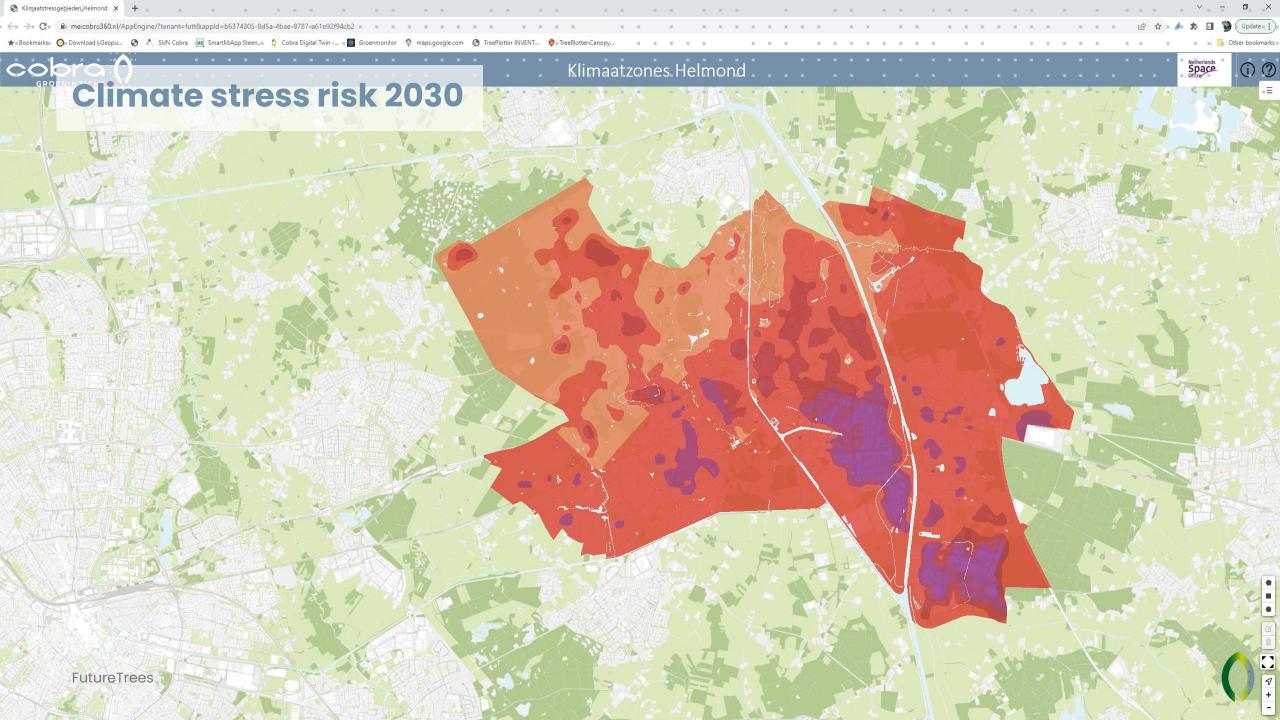
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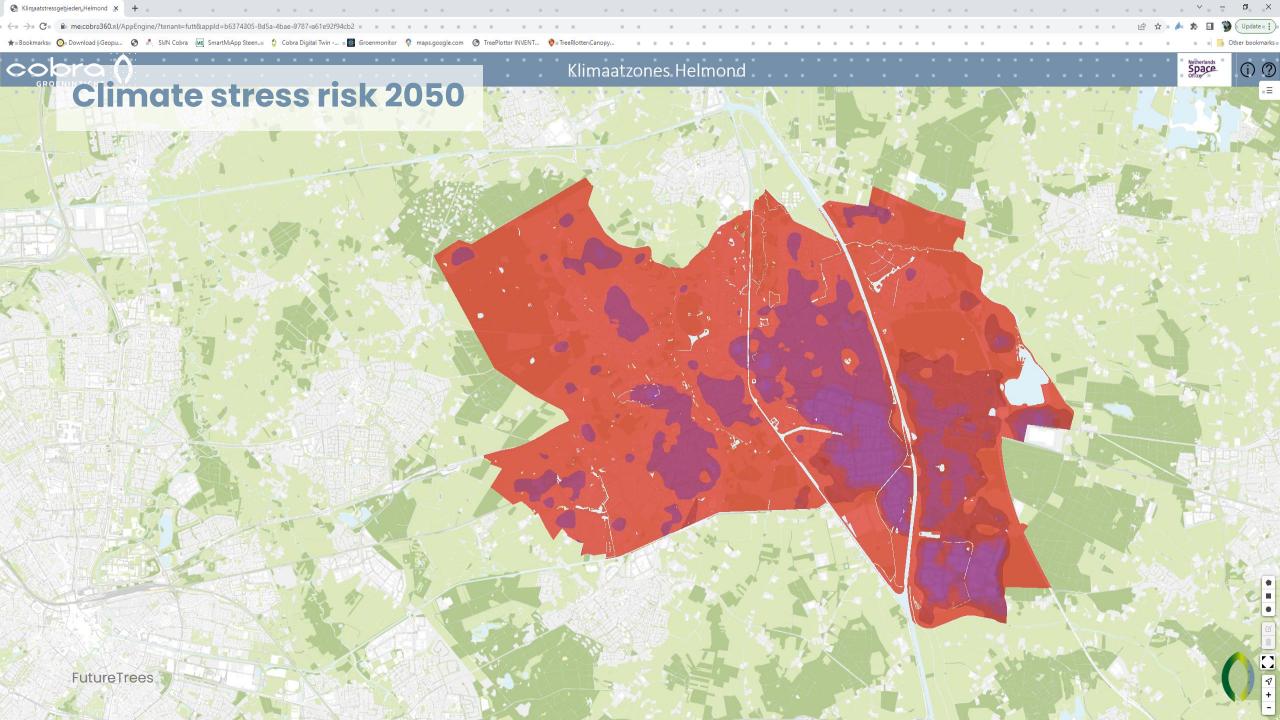
Netherlands Space

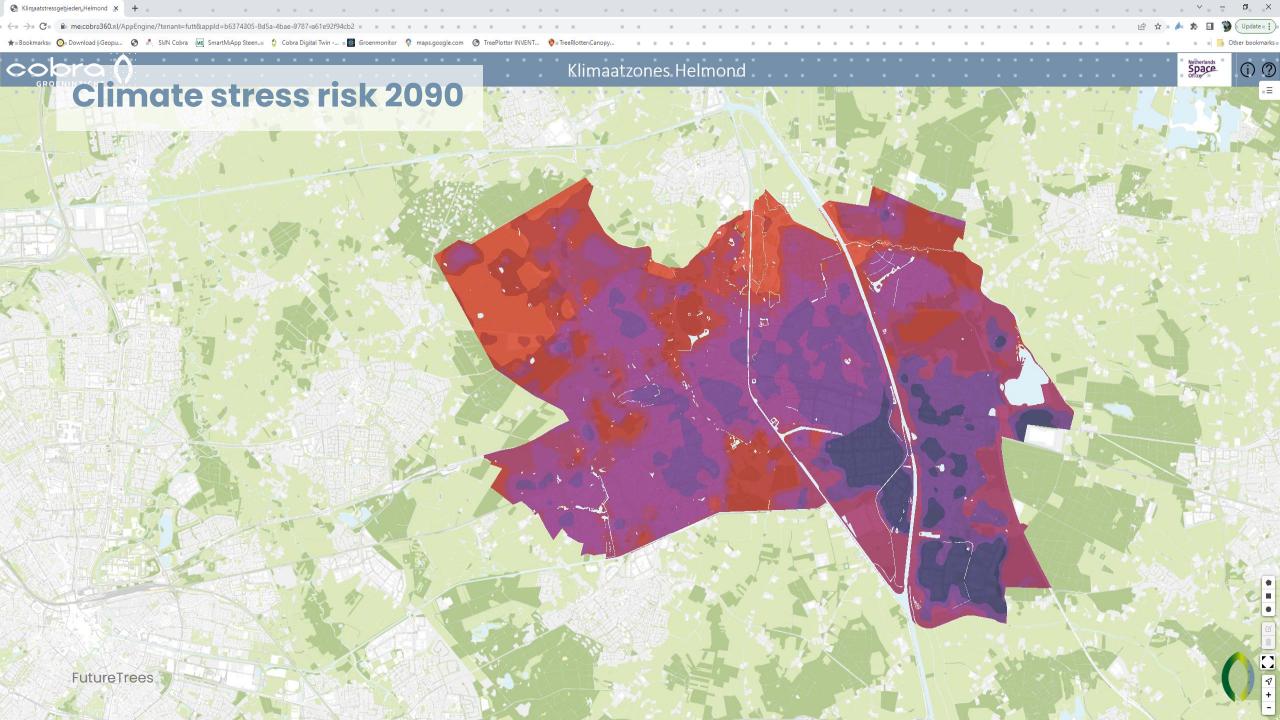
Other bookmarks

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Climate stress risk 2022

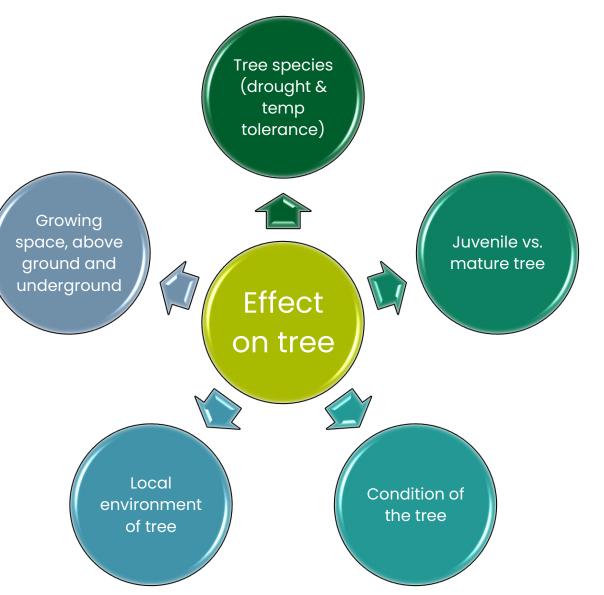




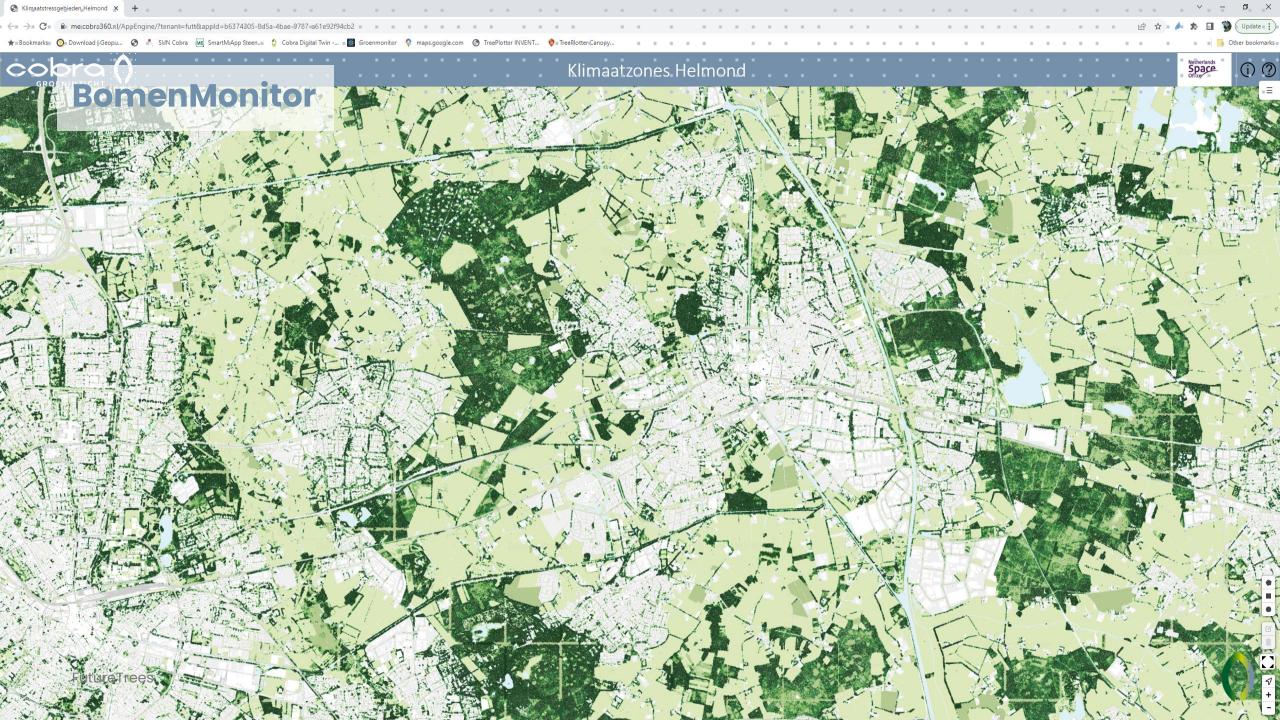


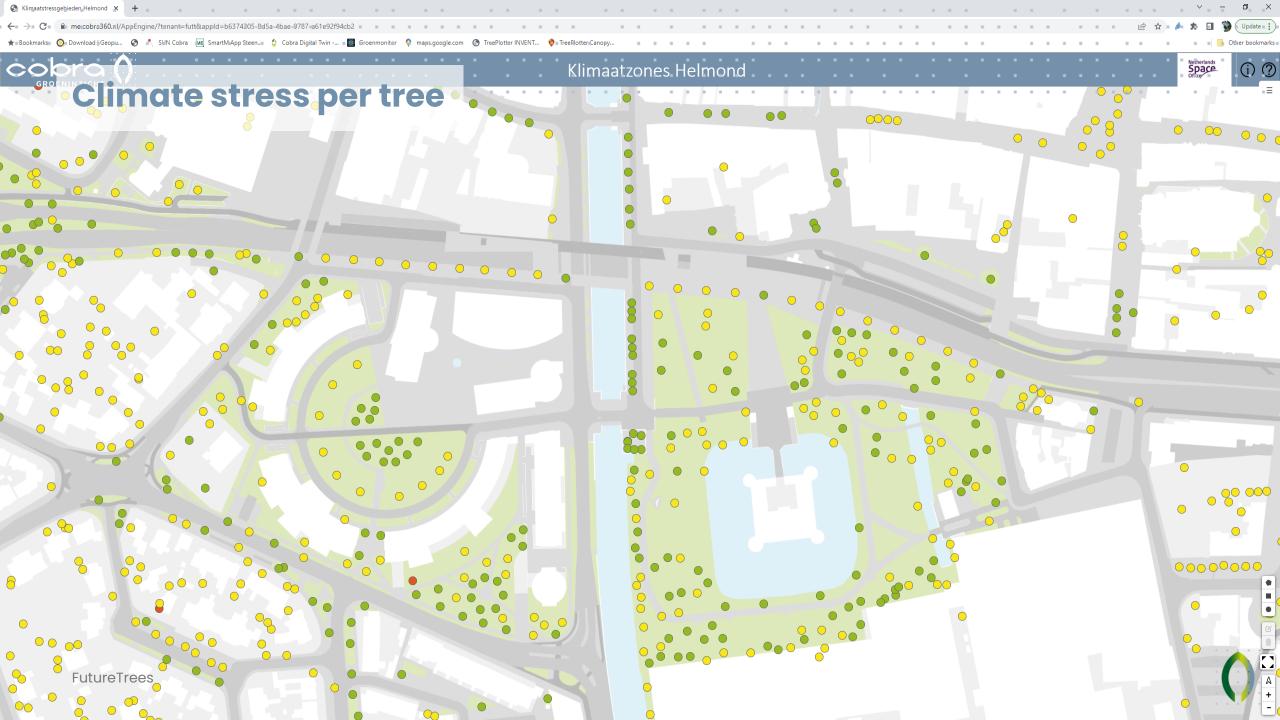
Climate stress has different effects on different trees

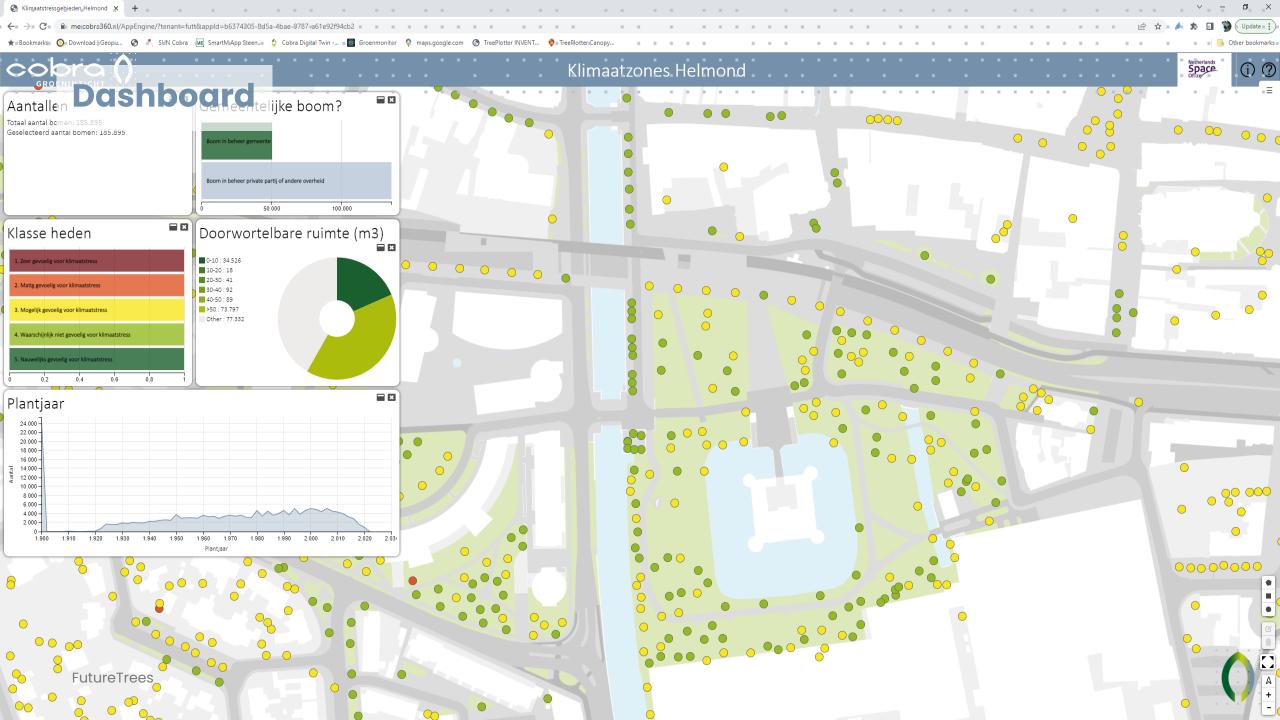
• Different aspects taken into account to address individual climate stress on trees:

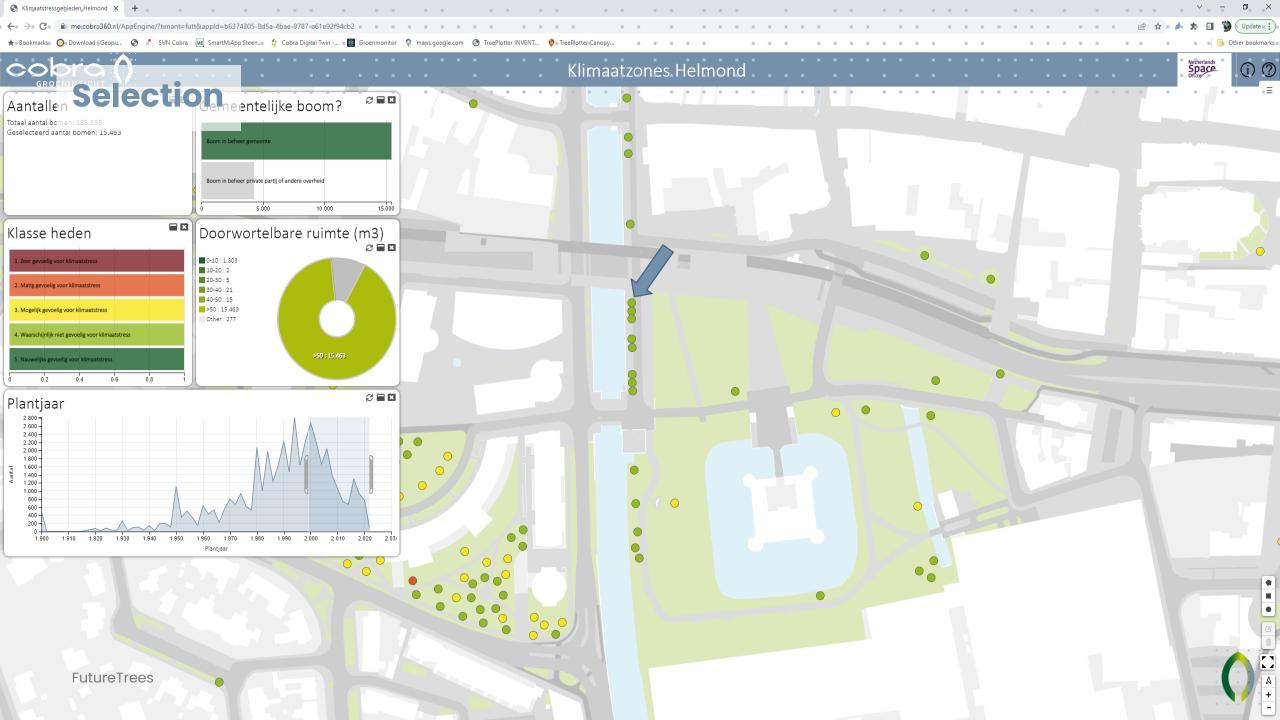


FutureTrees

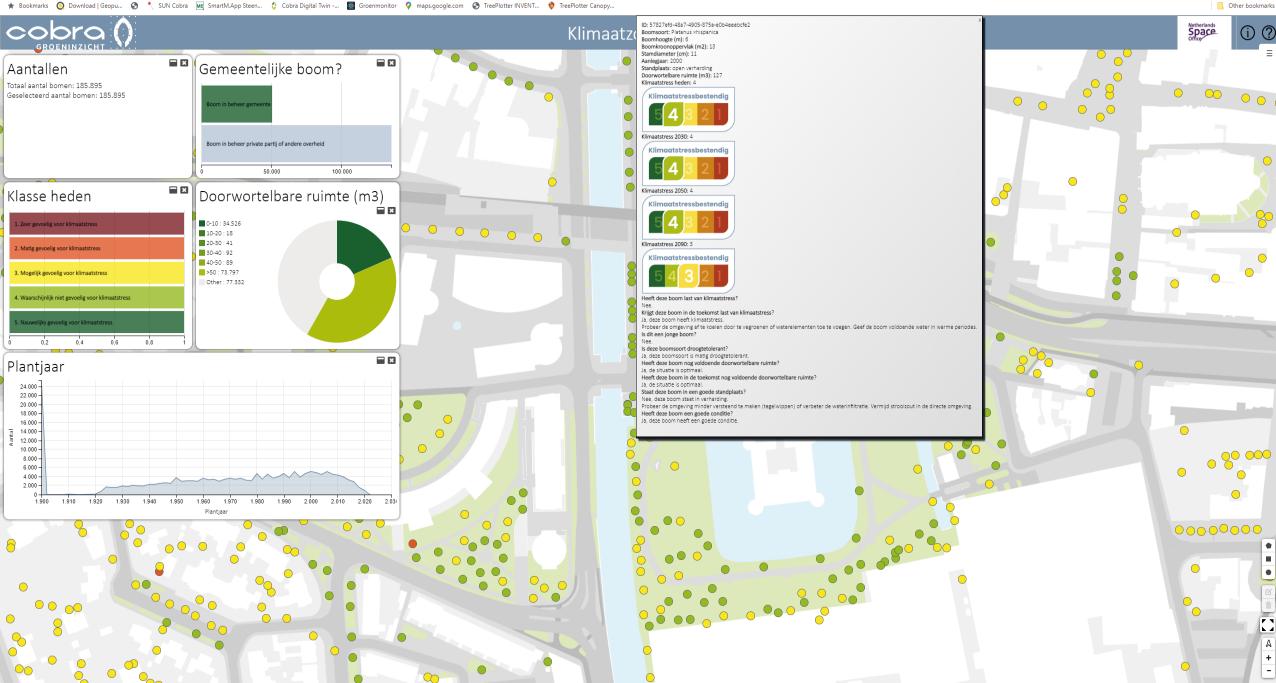








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To be enhanced!

Ready to take your questions

Dirk Voets

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