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The Steps Towards Netzero Starts with a Tree


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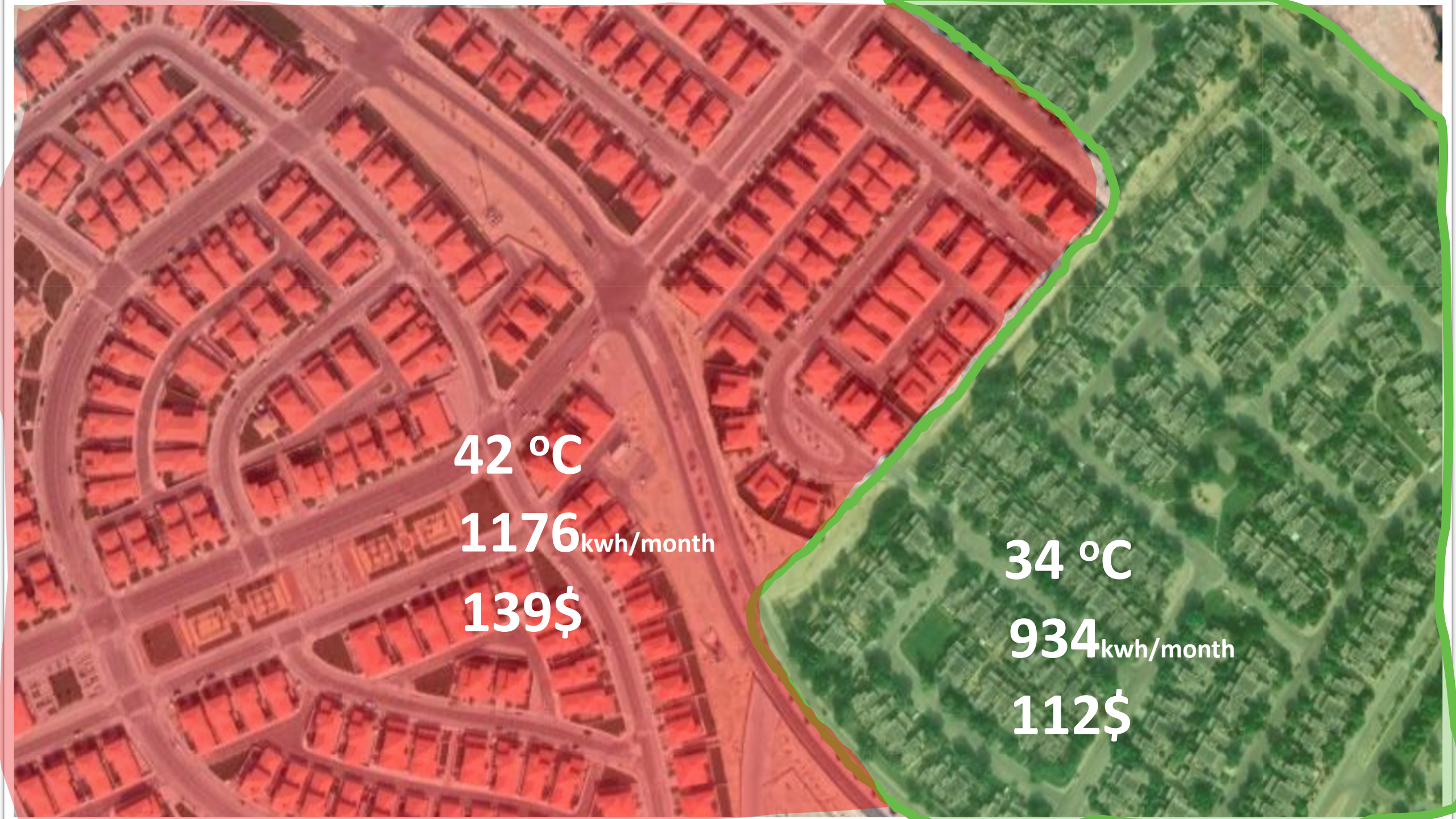
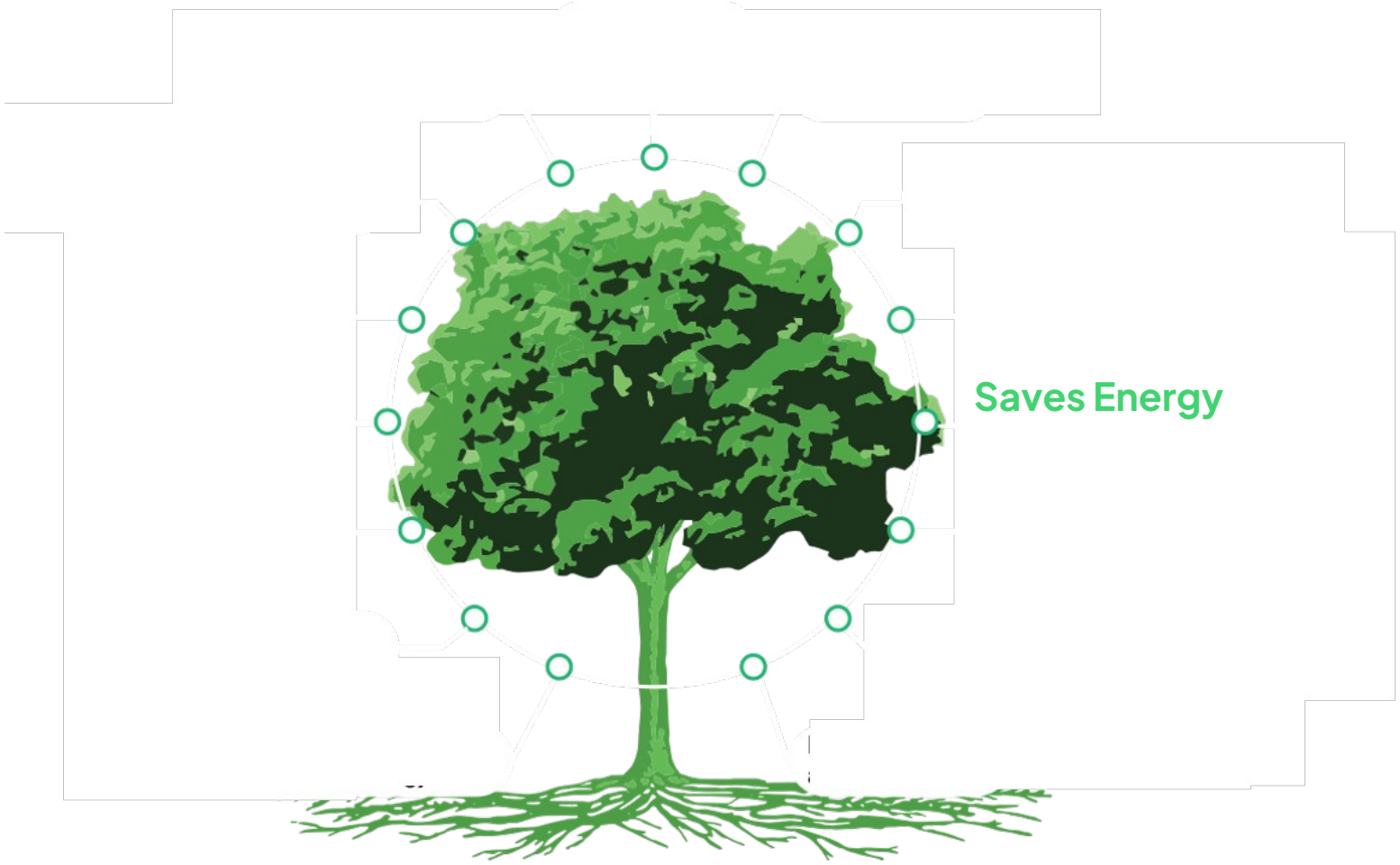
netzero
34 °C


netzero
34 °C


42 °C
34 °C
netzero


42 °C
1176kwh/month
139$
34 °C
934kwh/month
112$

Benefits of Urban Trees



Benefits of Urban Trees

Benefits of Urban Trees

Encourages a Healthy Lifestyle

Produces Oxygen

Wind Control

Captures CO2

Improves Privacy

Shades

Cultural and Historical Value

Beautifies the City

Reduces Temperature

Stormwater Filter

Saves Energy

Promotes Social Engagement

Improves Air Quality

Minimizes Soil Erosion

Increases Property Value

Reduces Noise

Urban Resilience

Promotes Biodiversity

Improves Mental Health

Mitigates Climate Change

Combats Desertification

$591

Ecological Benefit per tree

Benefits of Urban Trees

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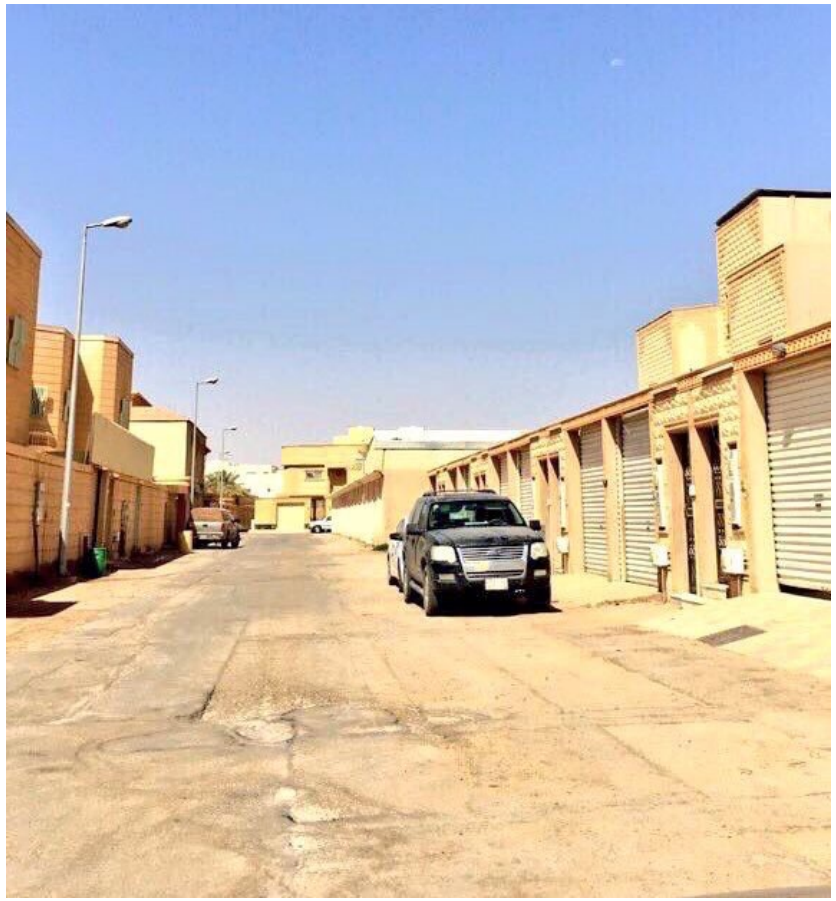

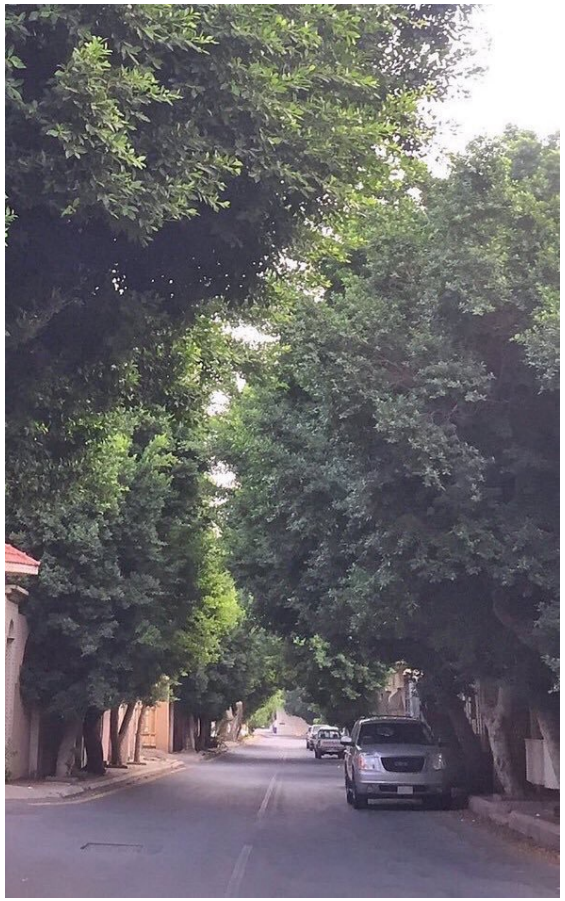

Benefits of Urban Trees

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Benefits of Urban Trees

netzero

Desertification is costing the economy billions of dollars

Nature Based Climate Solution is $384 billion/year Industry

- Lack of Transparency
- Rigorous process for crediting and carbon accounting
- Role of the public is often overlooked or underutilized

10 Billion Trees to be planted in the coming decades

278 Million tons per annum reduction of carbon emission by 2030

- Reducing Emissions
- Greening Saudi
- Protecting Land & Sea

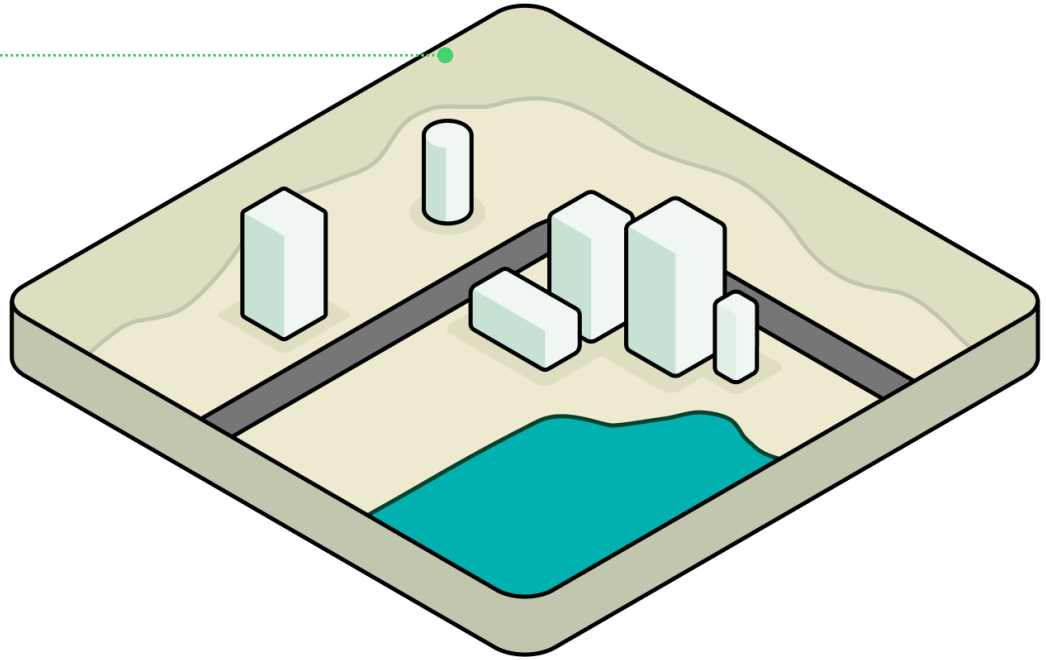
Opportunity of Saudi Green Initiative

Turning the desert green and rehabilitating 40 million hectares of land over the coming decades is a cornerstone of the Saudi Green Initiative.

Saudi Green Initiative

The geoclimatic constraints of Nature Based Solutions in the Region

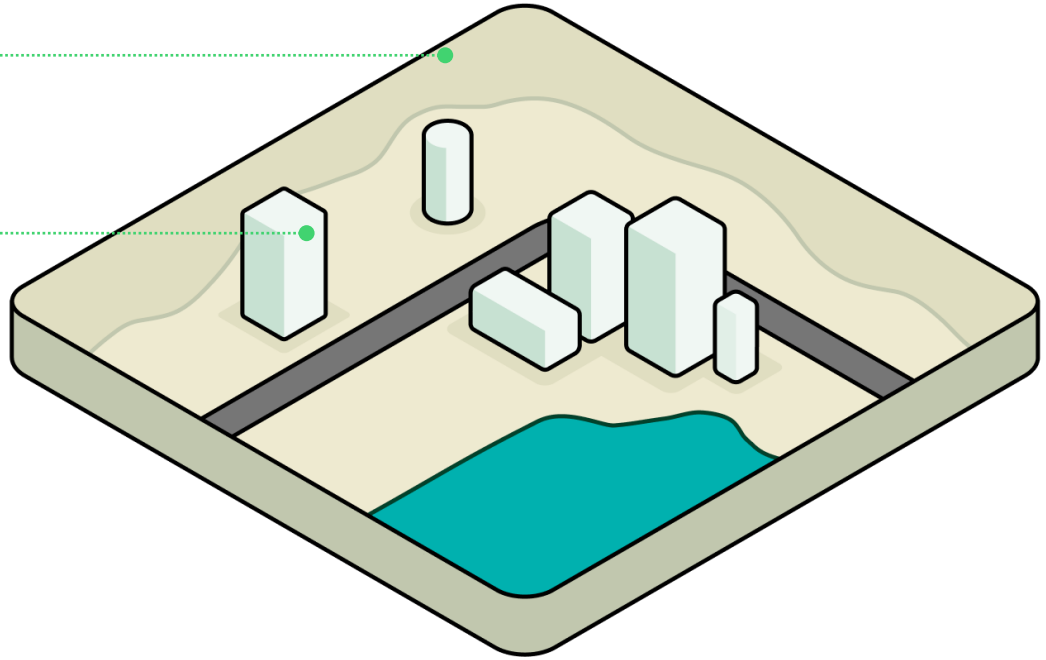
Access to Land



The geoclimatic constraints of Nature Based Solutions in the Region

Access to Land

Harsh Climate



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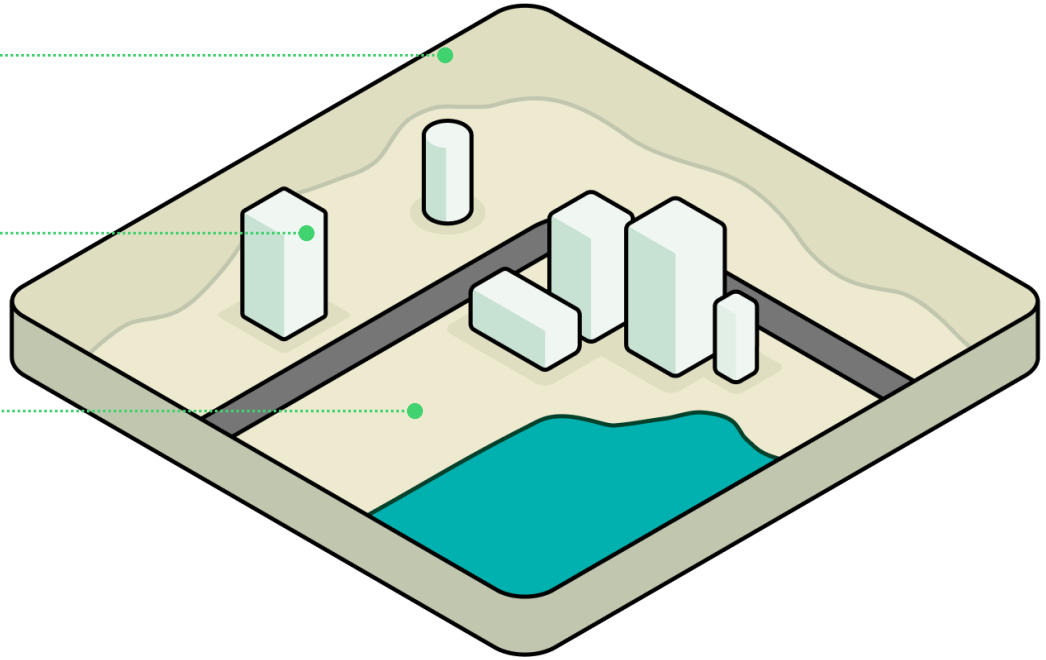
Access to Land

Harsh Climate

Biodiversity Limitation



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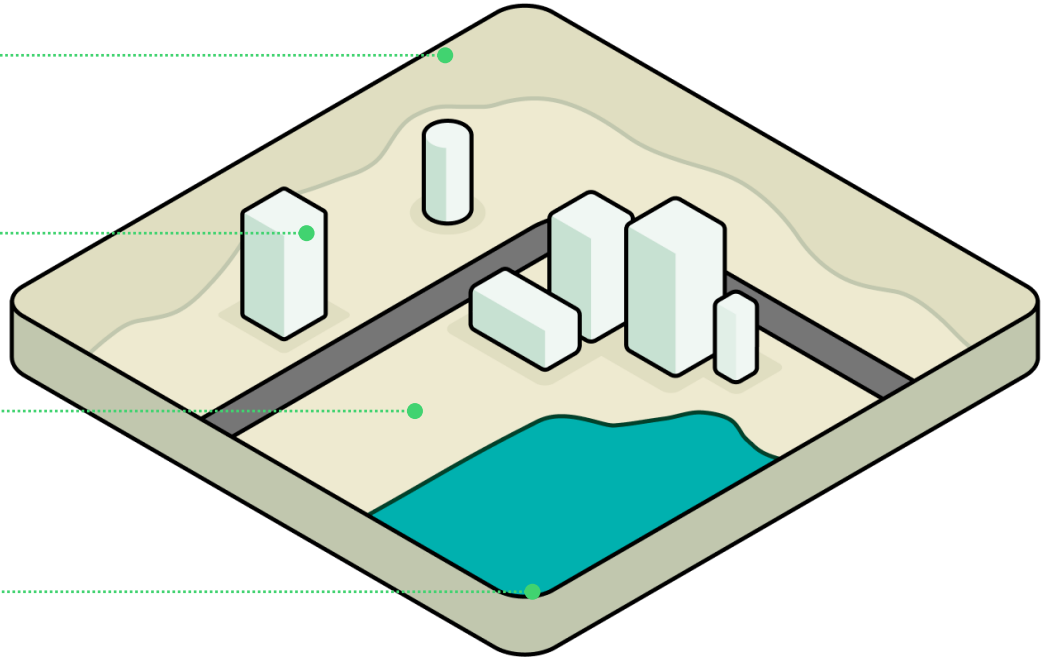
Access to Land

Harsh Climate

Biodiversity Limitation

Scarcity of Water



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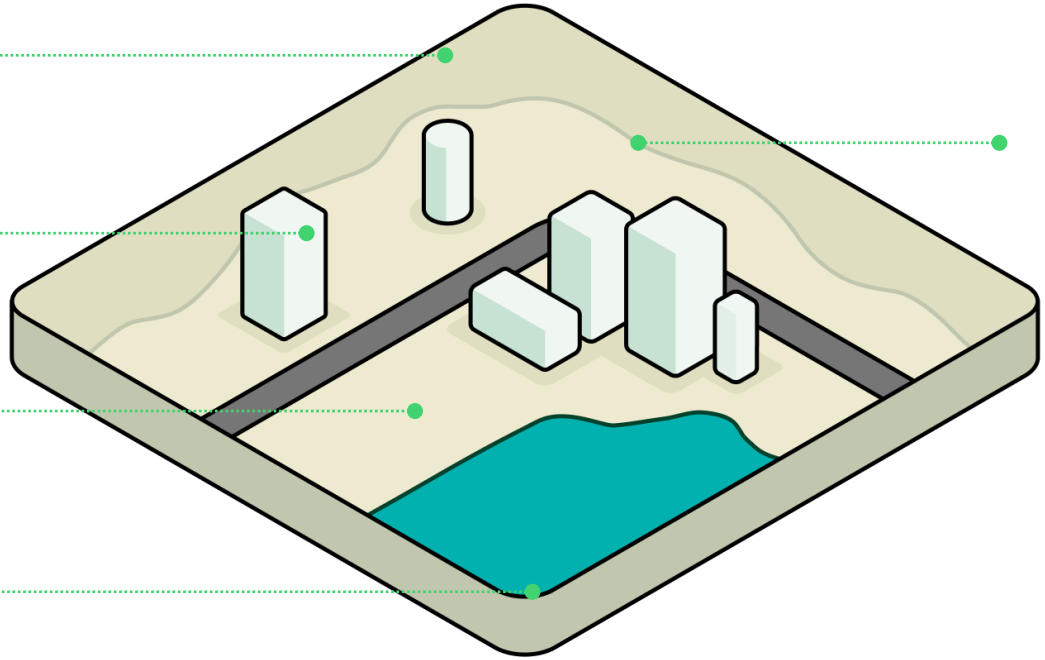


Cost of Projects

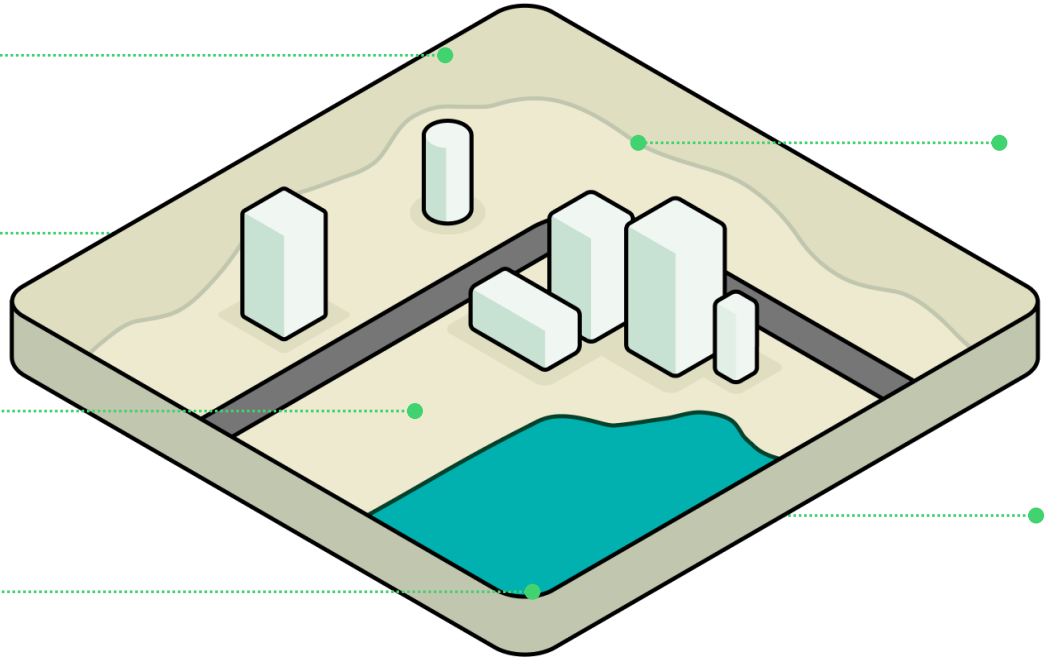
The geoclimatic constraints of Nature Based Solutions in the Region

Access to Land

Harsh Climate

Biodiversity Limitation

Scarcity of Water

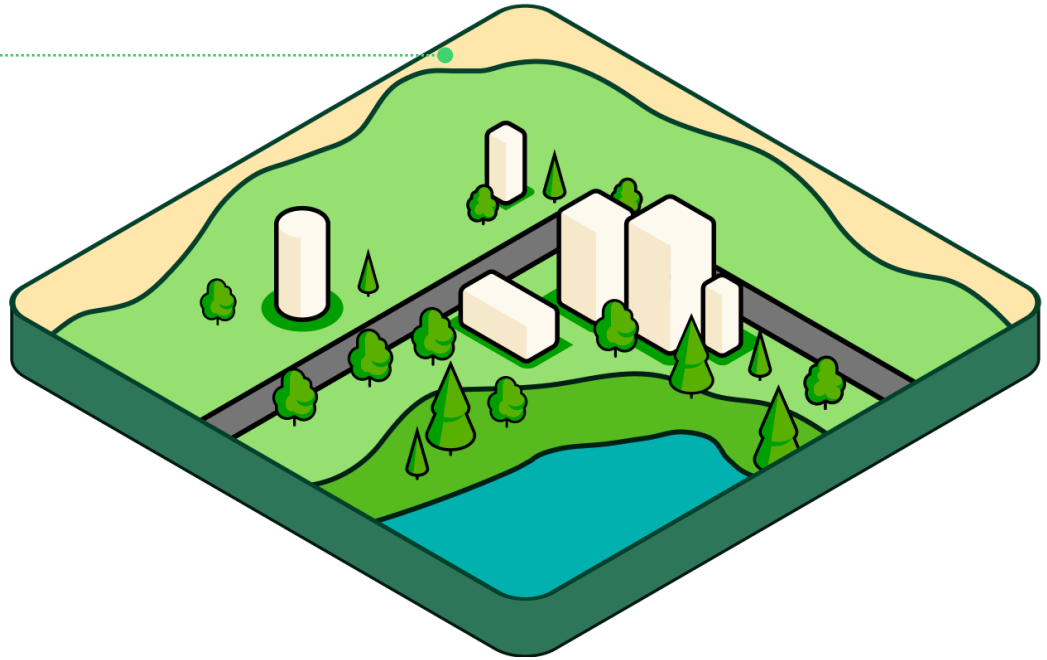


Cost of Projects

Access to Funding

The geoclimatic opportunity of Nature Based Solutions in the Region

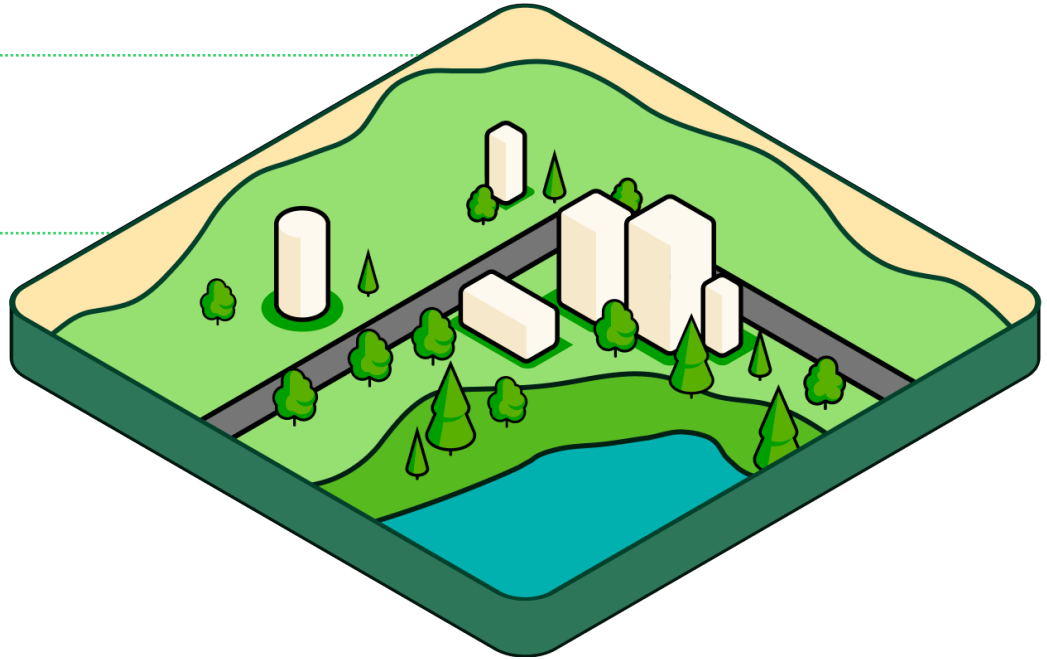
Emerging Tech



The geoclimatic opportunity of Nature Based Solutions in the Region

Emerging Tech

Native Species

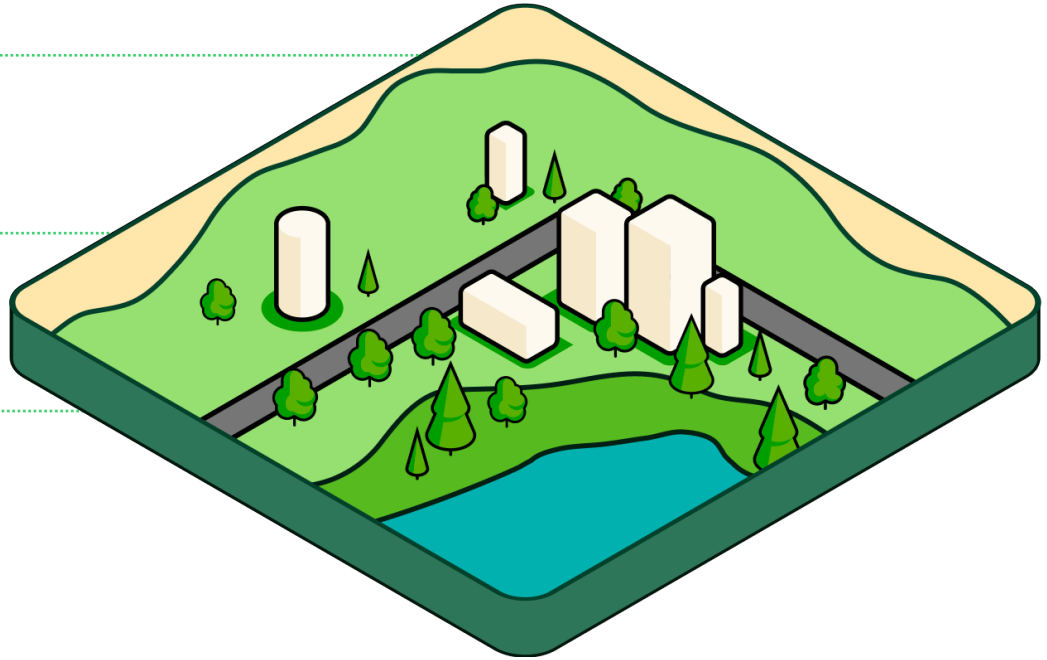


The geoclimatic opportunity of Nature Based Solutions in the Region

Emerging Tech

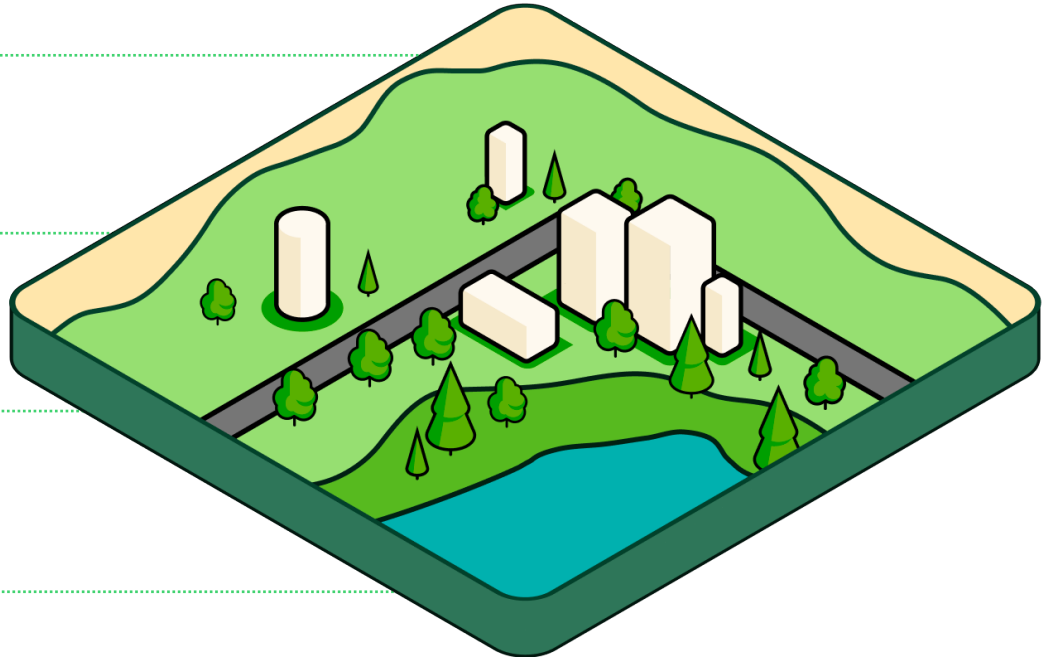
Native Species

Water Management



The geoclimatic opportunity of Nature Based Solutions in the Region

- Emerging Tech
- Native Species
- Water Management
- Coastal vastness



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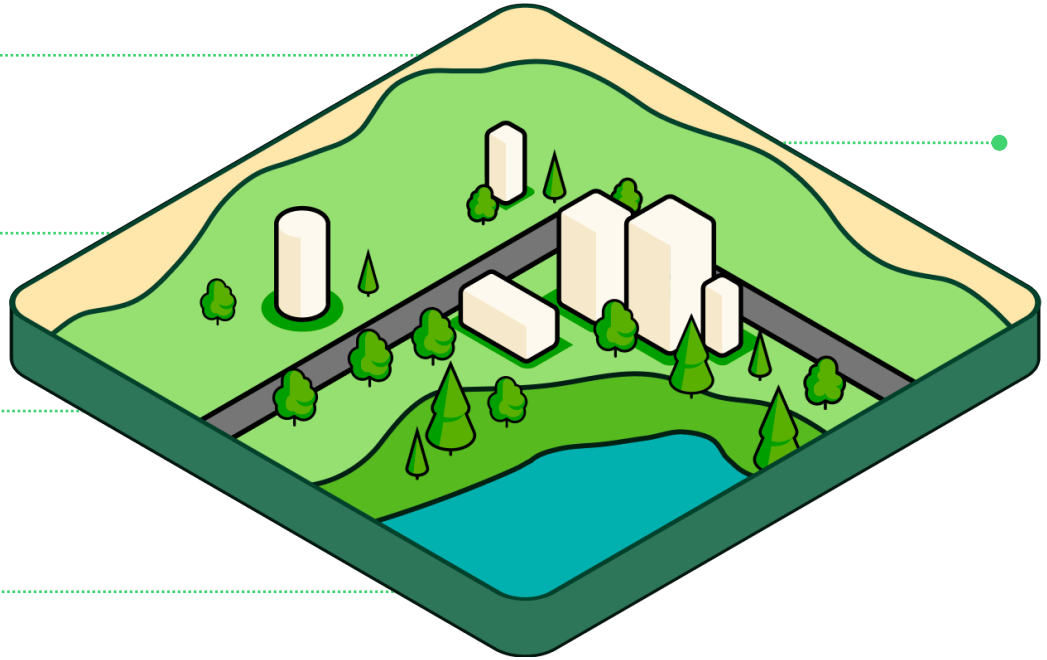
Emerging Tech

Native Species

Water Management

Coastal vastness



Gov Mandates (SGI)

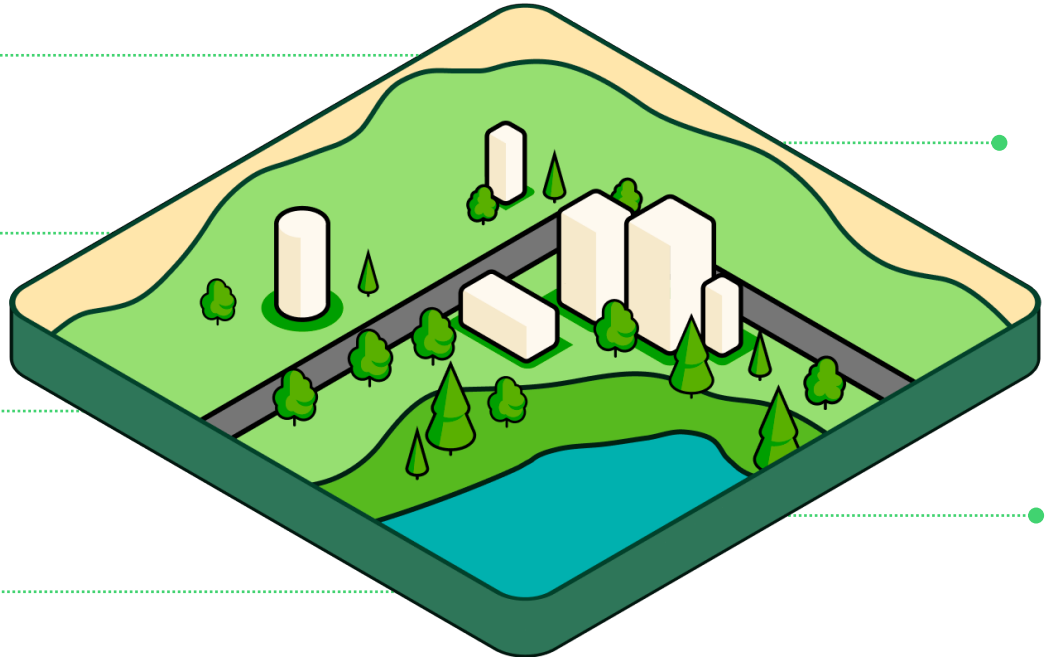
The geoclimatic opportunity of Nature Based Solutions in the Region

Emerging Tech

Native Species

Water Management

Coastal vastness



Gov Mandates (SGI)

New Carbon Market

Optimizing Greening of lands and cities in the Region

Utilizing Latest AgriTech

Converting waste into soil remediation products and to be used in greening projects or using water conservation techniques to save water and cut project cost.

Engaging with Local Communities

Community engagement is a key resource as it will promote awareness, action and innovation

Accelerate Mangroves Planting

Mangroves are one of the key Nature Based Solutions in the region due to their carbon sequestration potential and demands no irrigation

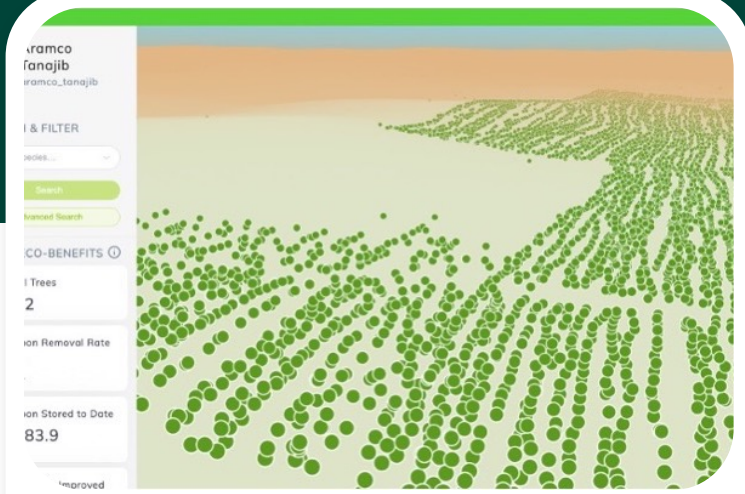
Optimizing Greening of lands and cities in the Region

Managing water with Renewables

Weather using gray water or finding alternative source of water that is renewable or powered by renewable system

Protection of Trees

Protecting lands and trees from overgrazing or logging



Using Data to Measure Impact

Managing tree data in order to promote transparency in action and provide insight to investors or funders on the impact of the project

The value of Mapping and Impact Measurement in Nature Based Solutions

Tree ECO-benefits

Mapping trees allows project financers to keep track of the progress of the projects and estimate the impact, these can be used as asset management tools, to treat each tree as a digital twin. Each tree has an environmental, social and economic impact. Being able to measure these impacts unlocks tremendous insights such as:

$ CO2 Removed

Amount of Carbon Sequestered by the tree

$ Air Quality

Pollutant and particle (dust) reduction.

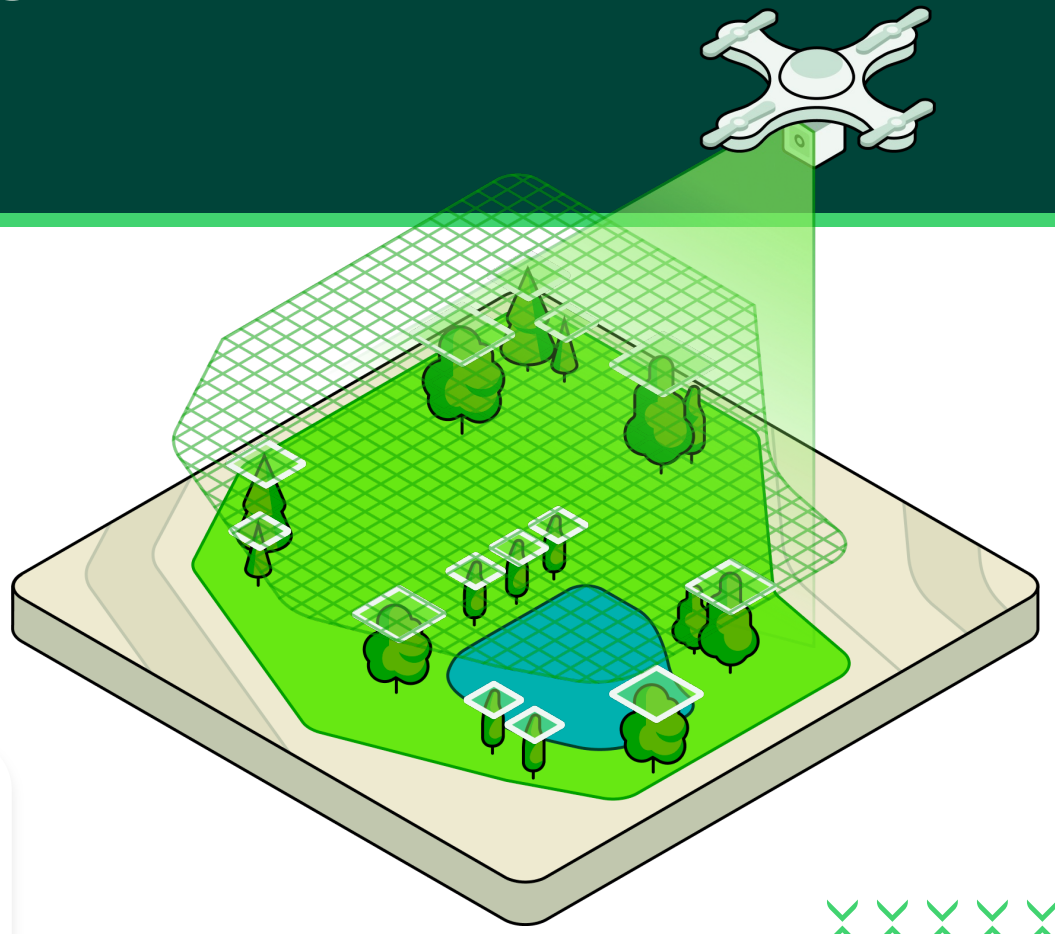
$ Energy Conservation

From air conditioners for cooling.

$ Land & Property Value

Greener lands are more valuable.

Emerging Data Collection Methodologies

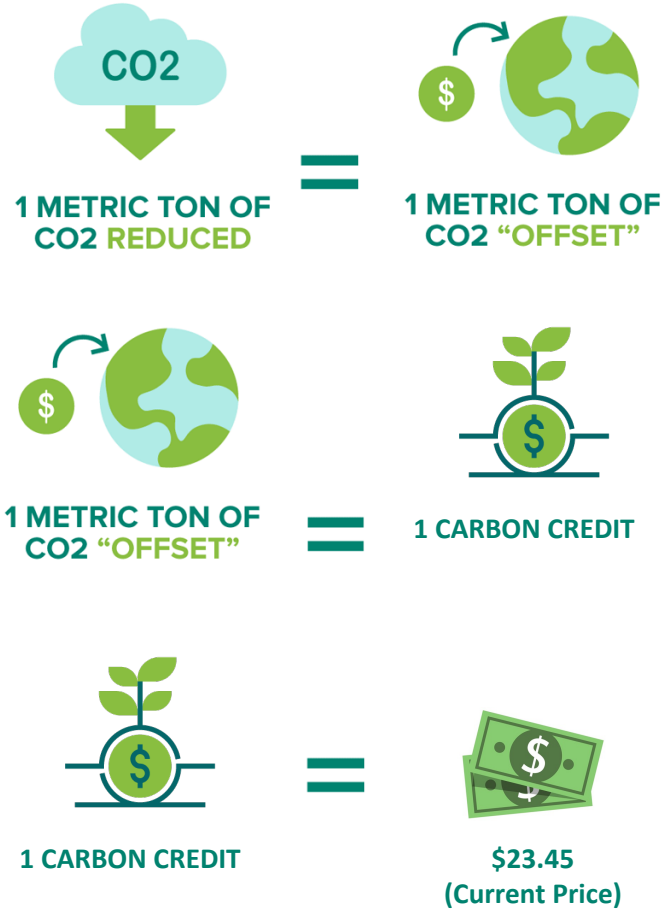


Unlocking Quality Carbon Offsets with Multi-layered Vision of Data

- Ground Level Data Collection to count each tree individually
- Multi-spectral Drone Scanning for continuous monitoring
- Satellite assessment of large-scale projects

Internet of Things (IoT) to maximize survivability

- Smart Irrigation to conserve water
- Live data Sensors for an early alert for intervention



Investing in Nature

Nature-based solutions and agroforestry are one of the solutions used to offset carbon emissions. And can be accredited by a third party.

Q: "From who do I get Carbon Credit and to who do I sell it to?

A: You get it from a certifying body when they confirm that you planted enough trees to offset 1 ton of CO2 and you sell or trade the credits either in a regional or international Carbon Markets.

Verified Carbon Standard

Gold Standard

Urban Carbon Sink:
Three Trees Per House

4.58 million

Total Number of Residences

Applicable residence include Villas and Traditional houses and apartment complex

13.74 million

Urban Trees the can be planted

Number of trees that can be planted in front of residential buildings in one year.

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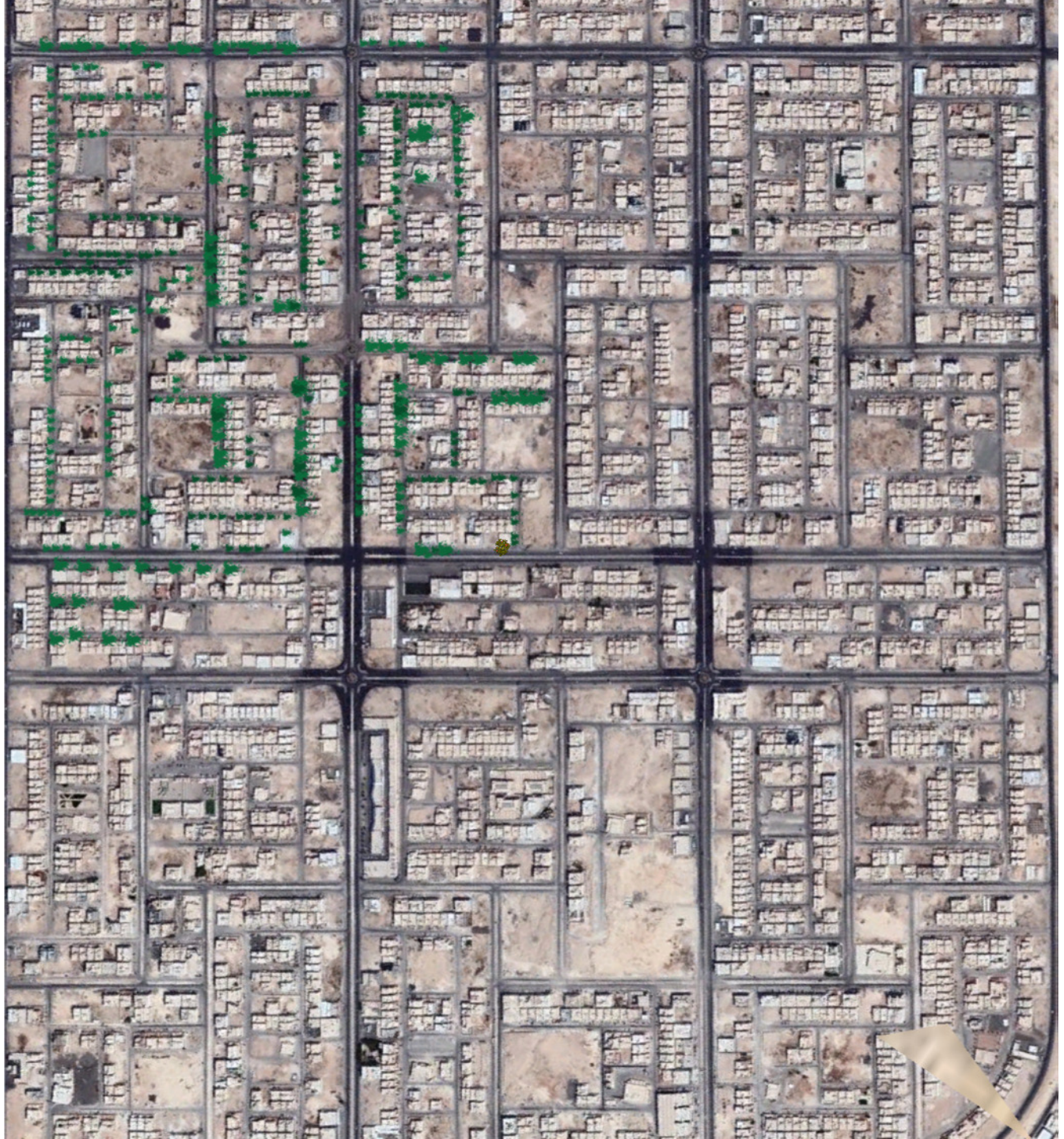

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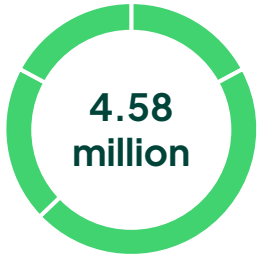

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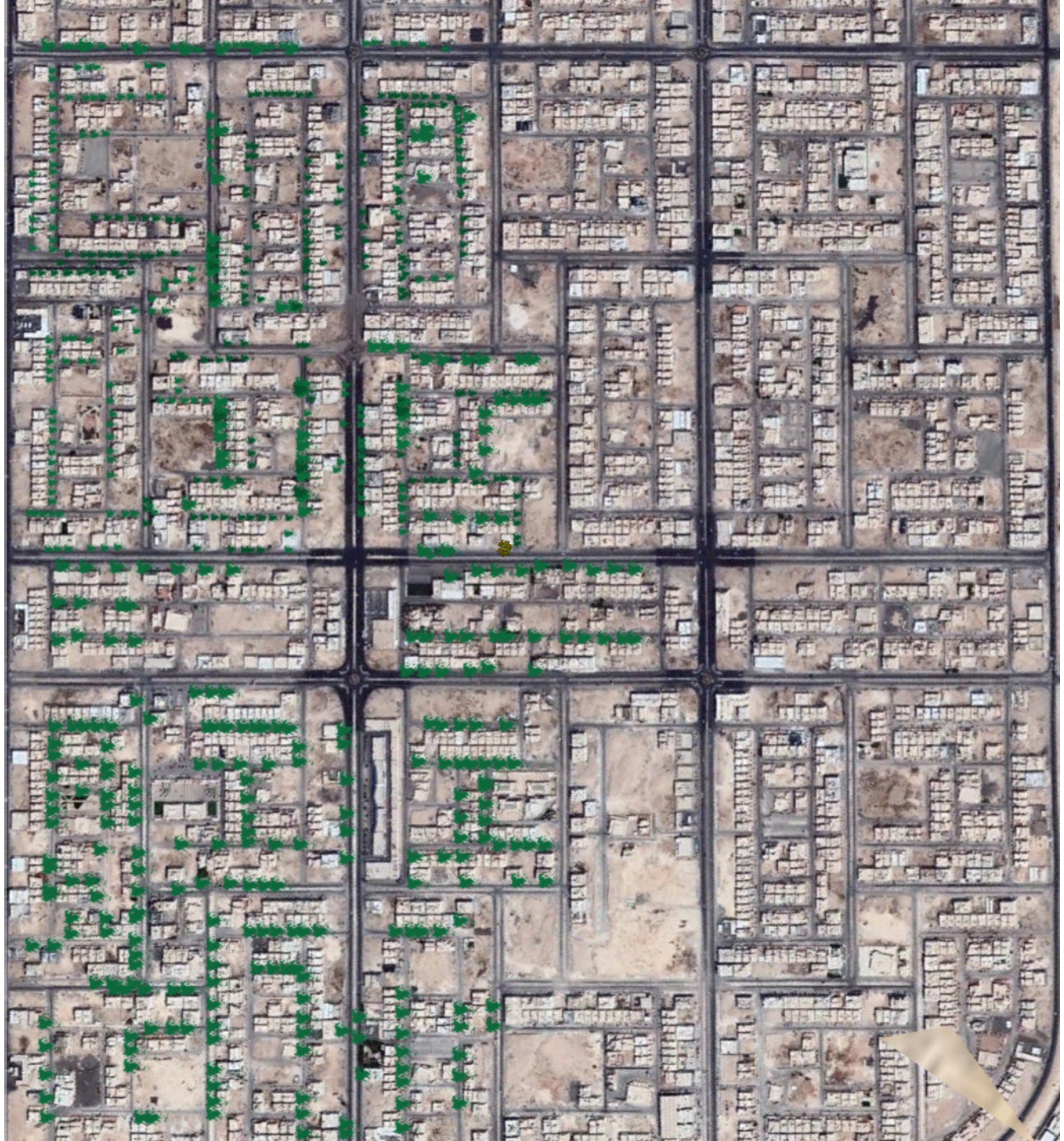

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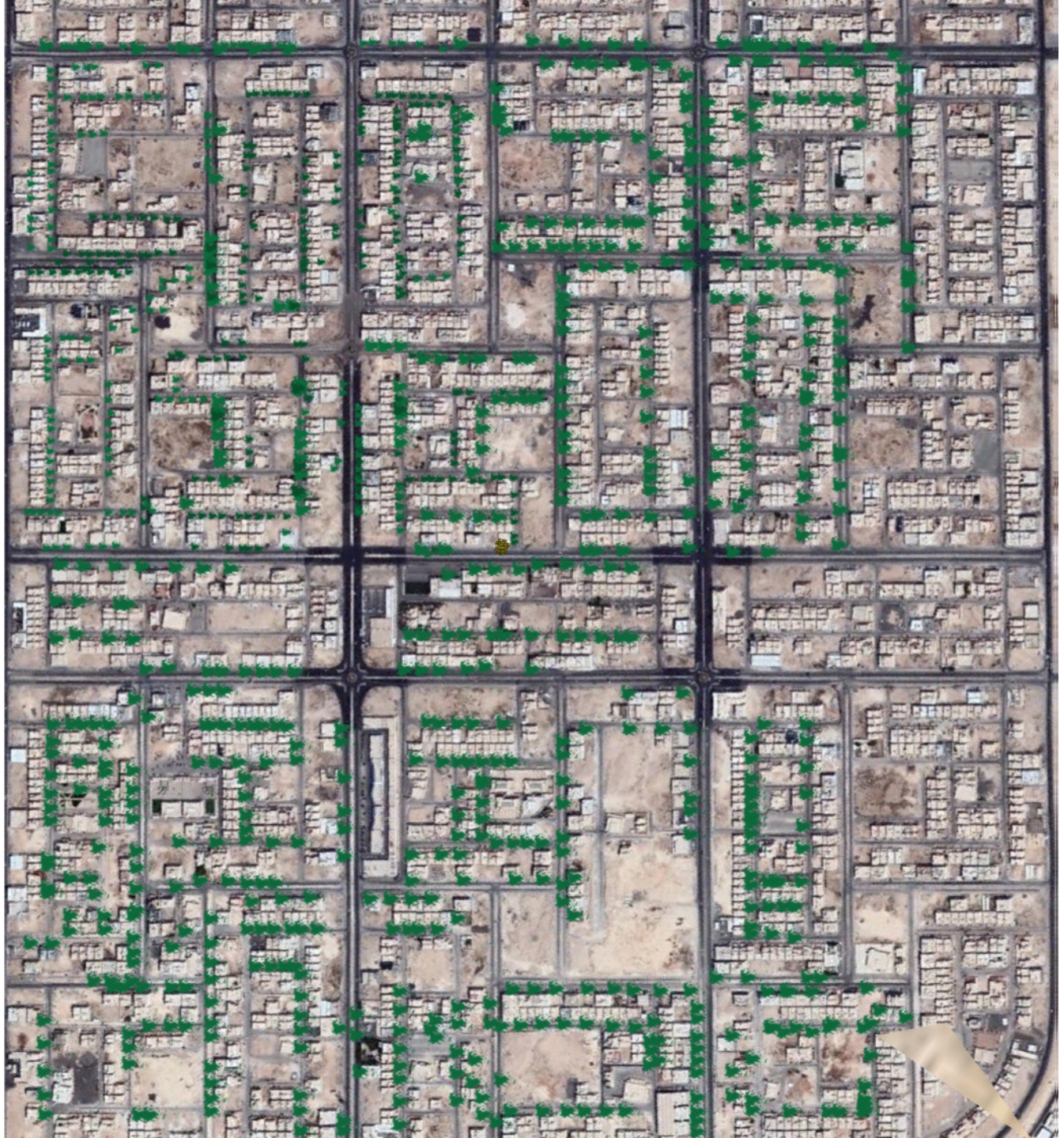

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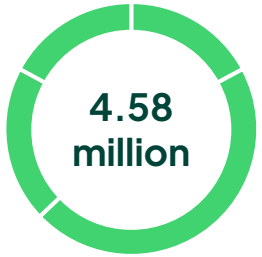

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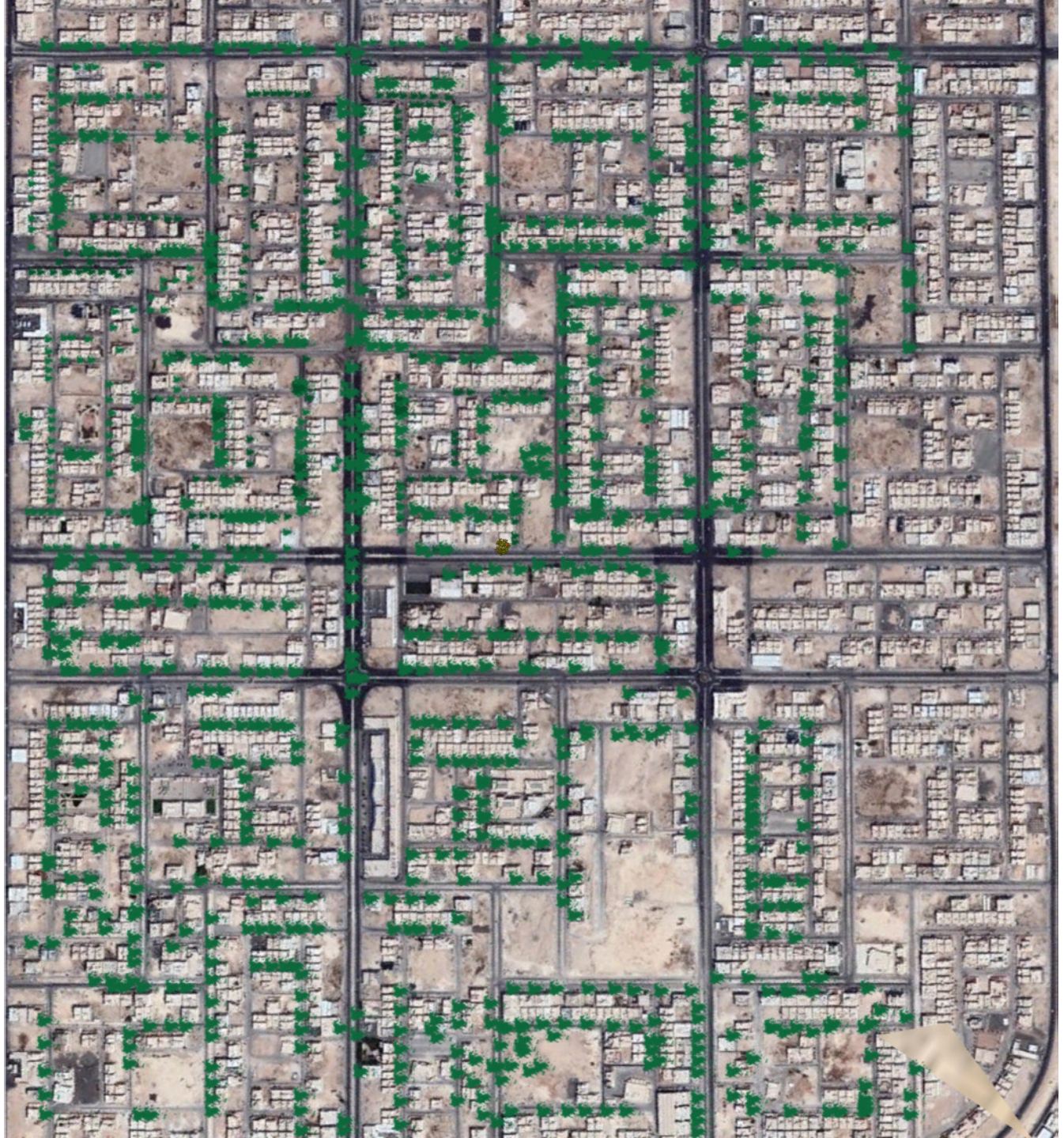

Benefits of Urban Trees


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Thank You