



# About Husqvarna



Husqvarna is the world's leading producer of outdoor power products for forest, park and garden care, watering products and power tools for construction.

- Founded in 1689
- 25,000 independent dealers worldwide
- 13,800 employees

# Our history: innovation landmarks



1689  
Husqvarna is  
founded



1903  
Combustion &  
electric engines



1995  
The first  
Automower®



2012  
Battery  
innovations



2022  
CEORA™



1959  
The first  
chainsaw



2016  
Husqvarna  
Fleet  
Services™



2019  
Autonomous  
technology



# Sustainable innovations for our customers



# Innovating toward fossil independence

## Our aim:

Make it easy for professional customers to shift to low-carbon solutions that decrease their carbon footprint.



## How we do it:

- Zero direct emissions\* in use from our professional robotic mowers
- Large assortment of battery powered products
- Husqvarna Fleet Services™ Carbon Calculator
- Life Cycle Assessment to measure products climate impact

\* Although no CO2 emissions are emitted during use, there are CO2 emissions emitted at other stages of the products' life cycle, for example during production, charging and at the end-of-life stage.

# Designed to last

## Our aim:

With a circular mindset we can prolong the life of products. When we rethink and redesign for a smarter, more efficient use of resources it can reduce both costs and climate impact.

## How we do it:

- Design for reparability
- Thousands of spare parts for current and discontinued models
- Husqvarna Fleet Services™ for fleet optimization and preventive maintenance
- Service centers for product repair

# Innovating globally for biodiversity locally

## Our aim:

Assist professional customers with data and information to help safeguard biodiversity in local areas.

## How we do it:

- Close collaboration with scientists and experts
- Measuring and analyzing green spaces with HUGSI – Husqvarna’s Urban Green Space Index
- Easy set-up of stay-out zones for robotics, enabling flexibility during the pollinating period

# UNDERSTANDING GREEN SPACE FROM SPACE

Quantifying greenness of global cities.

[www.hugsi.green](http://www.hugsi.green)







# THE CHALLENGE





Husqvarna

# THE SOLUTION



Husqvarna

**“IF YOU CAN'T MEASURE IT, YOU CAN'T  
MANAGE IT.”**

Peter Drucker

# Husqvarna Urban Green Space Index - HUGSI.green

is a service from Husqvarna providing objective and recurring monitoring for hundreds of cities in more than 60 countries.

Cities are monitored on their individual vegetative prime day.

We are using global open datasets and apply the same methodology when analyzing all cities to promote benchmarking and collaboration.

Data is shared and visualized on [www.hugsi.green](http://www.hugsi.green) and is available for you and all other cities part of the index

Sentinel 2 A/B, 13 band multispectral data, spatial resolution 10x10m , return rate approx. every 5 days

OBJECTIVE  
MONITORING

RECURRING  
ANNUAL  
ANALYSIS

GLOBAL OPEN  
DATASETS

TRUSTED AND  
SCIENTIFIC  
METHODOLOGY



Husqvarna

Technology partner

overstory

Data sources



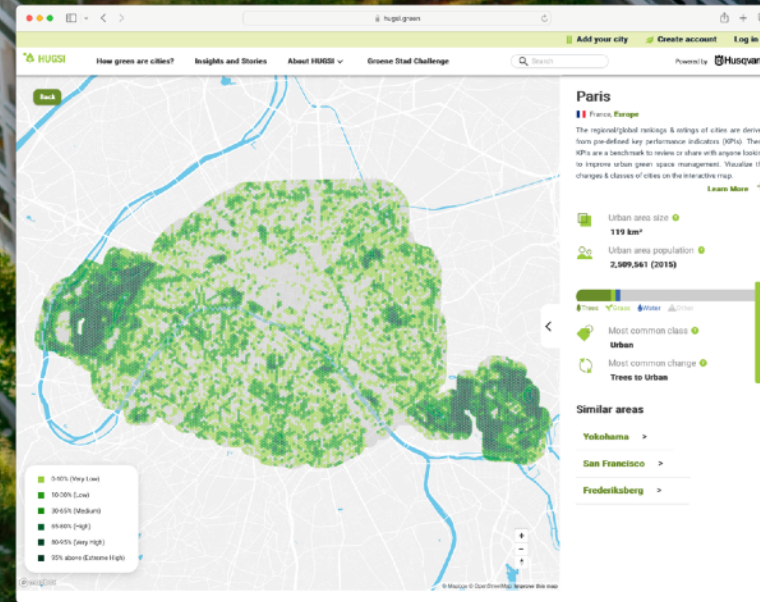
European Commission

HUGSI – Husqvarna Urban Green Space Index

# Supporting the greening ambition of global cities

Green spaces are the lungs of cities. Improving air quality and helping to manage flooding and rainwater. Contributing to the physical and mental health of citizens. As urbanization continues, it's therefore vital to monitor the proportion between grey, green and blue areas in and around cities.

[www.hugsi.green](http://www.hugsi.green)



Features of HUGSI.green:

**ANALYZING & VISUALIZING URBAN GREEN OVER TIME**

**URBAN TREE CANOPY & VITALITY MONITORING**

**CITY WIDE CHANGE AFFECTING VEGETATION**

**UNDERSTAND URBAN BIODIVERSITY POTENTIAL**



# What can we tell about urban trees?



**27%**

Urban canopy cover  
Global



**36%**

Urban canopy cover  
Nordics



**28%**

Urban canopy cover  
Europe



**22%**

Urban canopy cover  
Rest of world

# Urban tree monitoring in

Urban tree monitoring in **green**

URBAN TREE CANOPY COVER %

VITALITY OF TREE CANOPY

TOTAL AREA OF TREE CANOPY

TREE CANOPY PER CAPITA

ANNUAL UPDATES

The screenshot shows the HUGSI website interface. The main content is a map of Malmö, Sweden, with urban green space data overlaid. The map uses a color-coded system: blue for water, grey for urban areas, green for grass, and dark green for trees. A legend in the bottom left corner identifies these colors. The right-hand side of the page features a detailed information panel for Malmö, including its location (Sweden, Europe), population (339,630 in 2022), and urban area size (100 km²). The panel also displays a progress bar for green space metrics and lists the most common class (Urban) and change (Grass to Urban). A 'Similar areas' section lists Venice, Dublin, and Tel Aviv.

# Trees in Global cities

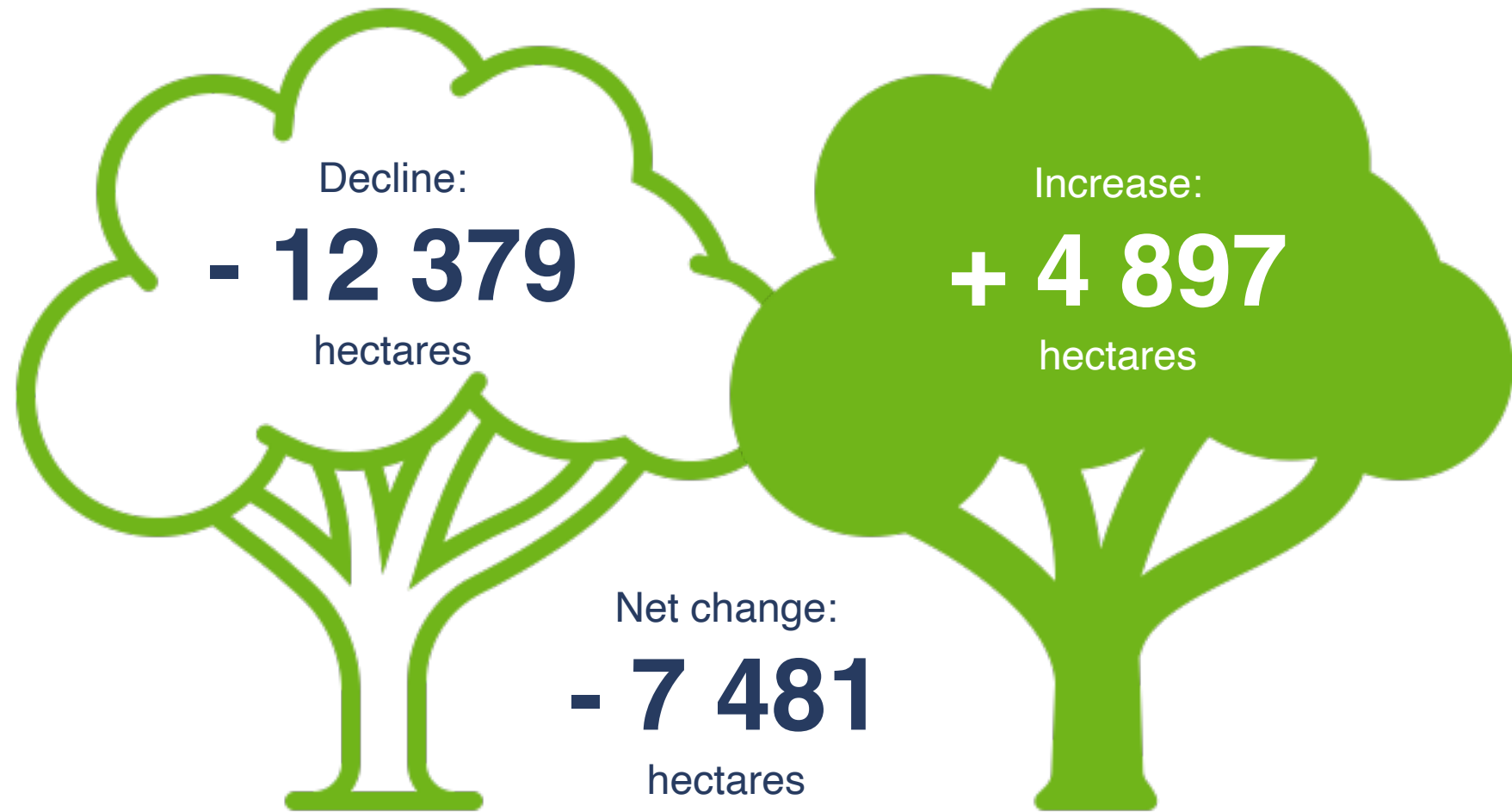
Top 10 global cities with  
more than 100 000  
inhabitants.

	City	Country	Tree canopy cover %	Vitality / NDVI (-1 to +1)
1	Charlotte (NC)	USA	58%	0,70
2	Espoo	Finland	56%	0,69
3	Oulu	Finland	50%	0,76
4	Vilnius	Lithuania	48%	0,69
5	Helsinki	Finland	47%	0,73
6	Durban	South Africa	46%	0,74
7	Berlin	Germany	45%	0,65
8	Tampere	Finland	45%	0,80
9	Oslo	Norway	44%	0,76
10	Vantaa	Finland	44%	0,78



# Changes to tree canopy cover in Global cities

186 global cities with more than 100 000 inhabitants. Comparing 2022 to 2021.



# Are you on top of your urban green space data?

We offer all participants representing a municipality a 3 months free trial of HUGSI.green with a custom analysis for your city.  
[www.hugsi.green](http://www.hugsi.green)





Husqvarna®

MAKE LIFE IN  
THE TREE  
TOPS BETTER



## ARBORISTS & LOGGERS



## GREEN SPACE MANAGEMENT



## SPORTS TURF MANAGEMENT



# Minimise the disturbing noises



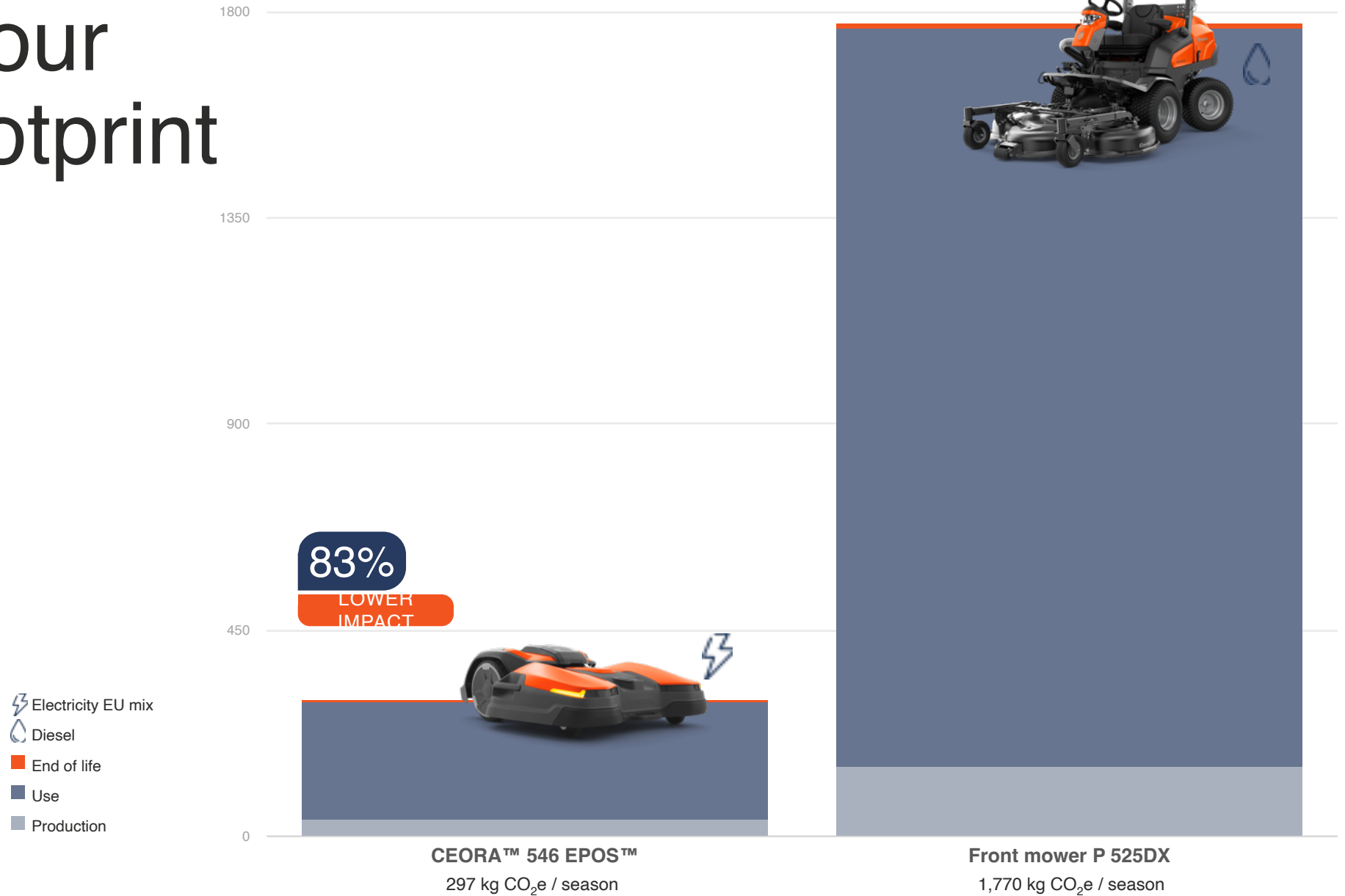
The soundscape of  
the fuel-driven  
mower



The soundscape  
of the robotic mower

- 85–90 dB(A) | Diesel truck
- 75–85 dB(A) | Vacuum cleaner
- 60–75 dB(A) | Conversational speech
- 40–50 dB(A) | Quiet neighborhood

# Reduce your carbon footprint





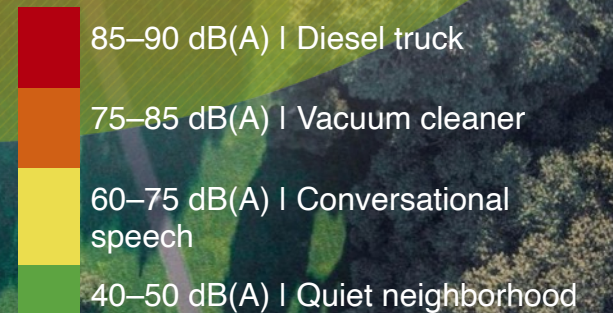
# Minimise the disturbing noises



The soundscape of  
battery-powered  
trimmers



The soundscape of  
fuel-powered trimmers







# We have the right products and accessories for the task at hand

## TURF CARE



## HEDGES



## CLEANING



## TREE CARE





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