



# EY Ripples Clean up the world & Tree Planting

ITALY - Fiscal Year 2022

■ ■ ■  
The better the question. The better the answer.  
The better the world works.

 **EY** Foundation

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Our main goal is to generate long-term value for our customers and for the community in which we operate by anticipating the expectations of stakeholders. Only if and when we take the lead on **environmental sustainability** and **inclusive growth** for all of society will we be able to **reinvent the future for the new generations.**



Massimo Antonelli

CEO EY Italy and Chief Operating Officer EY Europe West





# EY Environmental Strategy

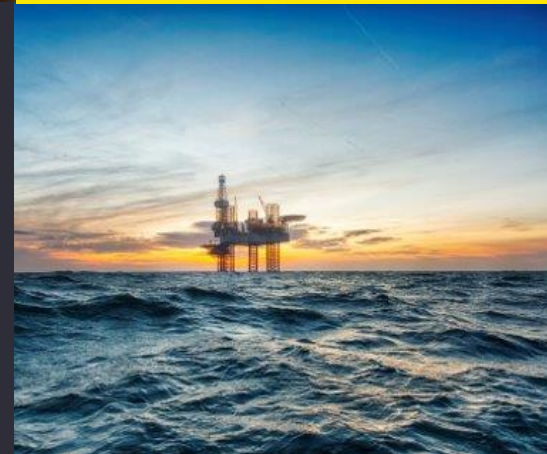
EY, besides helping it's clients to create *sustainable value* and a better future, has made and delivered pioneering commitments to **make it's own business more sustainable**.



EY, EY Foundation Onlus and Legambiente have launched the **#BetterworldEYRipples** project with the aim of creating an ecosystem in which professional efficiency goes hand in hand with environmental sustainability.



Today, EY is one of the first professional services organizations to become **carbon neutral**, i.e. able to reduce and offset its emissions. EY has also joined the **Terra Carta** - a charter that puts sustainability at the heart of the private sector.



In collaboration with the **Sustainable Markets Initiative** and freuds, EY have convened 30 of the world's leading C-Suite sustainability leaders in a action-focused forum called the **S30** to accelerate Business action on sustainability.

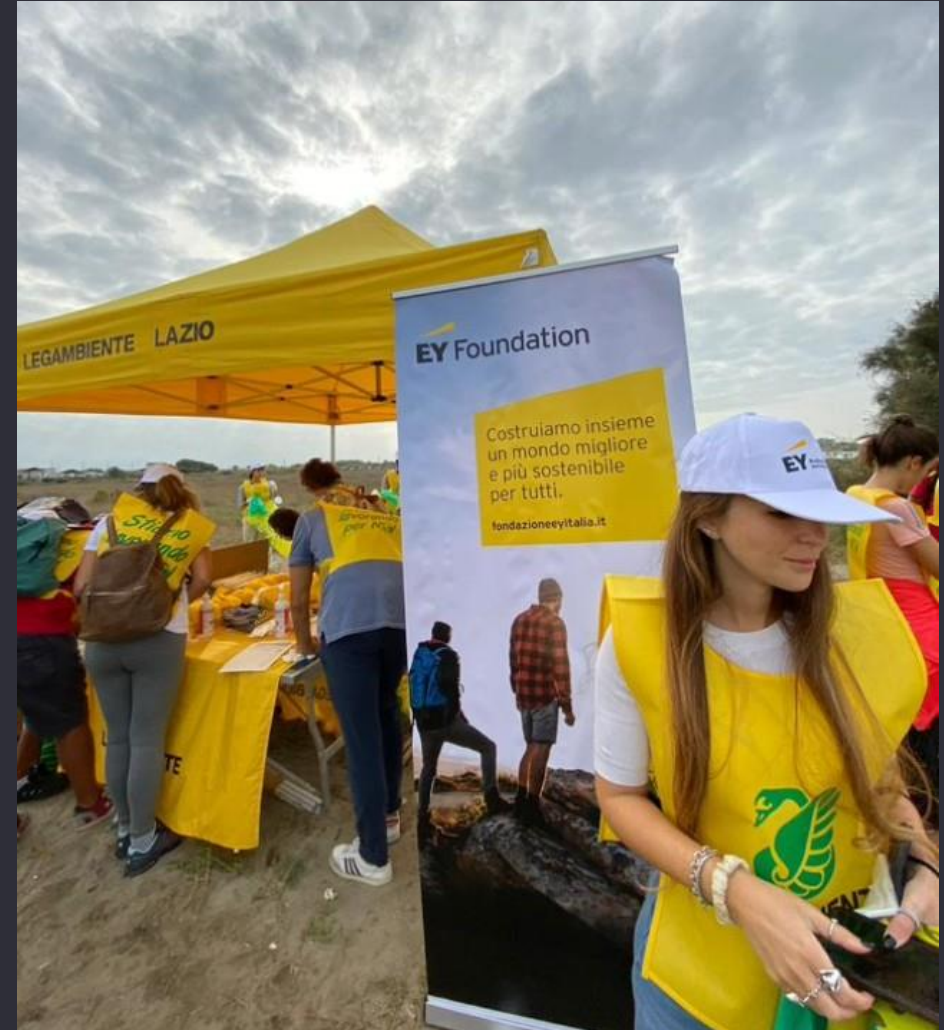
# Legambiente - An EY strategic partner in Environmental change

**Legambiente** is an Italian non-profit organization made up of citizens who care about the protection of the environment in all its forms, the quality of life, a more equitable, just and supportive society.

It has 18 regional offices, 1000 local groups and 115,000 members and supporters.

**Legambiente** main purposes are related to:

- Scientific environmentalism to build policies and to advocate change towards local, national and international stakeholders and institutions
- To engage communities, stakeholders and people and enable them be the leading actors of change
- To improve the quality of life for everyone



# Agenda

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Clean up the word 2021

Tree planting 2022

# Clean Up the world 2021

EY and EY Foundation , in collaboration with Legambiente, participated in the "**clean up the world day 2021**" on different dates between September and October 2021 in 9 important Italian cities, one of these located on the coast of Puglia where the volunteers organized the cleaning of the Beach. Collection monitoring activities were made possible with the use of reporting forms, identifying many categories of waste. The highest percentages of waste collected relate to plastic items, cigarette butts and glass bottles.

The Legambiente volunteers and the EY volunteers have come together for a common purpose of global interest: the **recycling of waste** and the **redevelopment** of natural environments, the lungs of our cities. Thanks to this strong alliance, we were able to collect kg of waste.



Event regularly held



Event postponed due to adverse atmospheric conditions



# Clean Up the world 2021 - Participants overview

More than 248 EY volunteers, with relatives and friends, helped Legambiente volunteers by picking up litter in green areas and beaches.



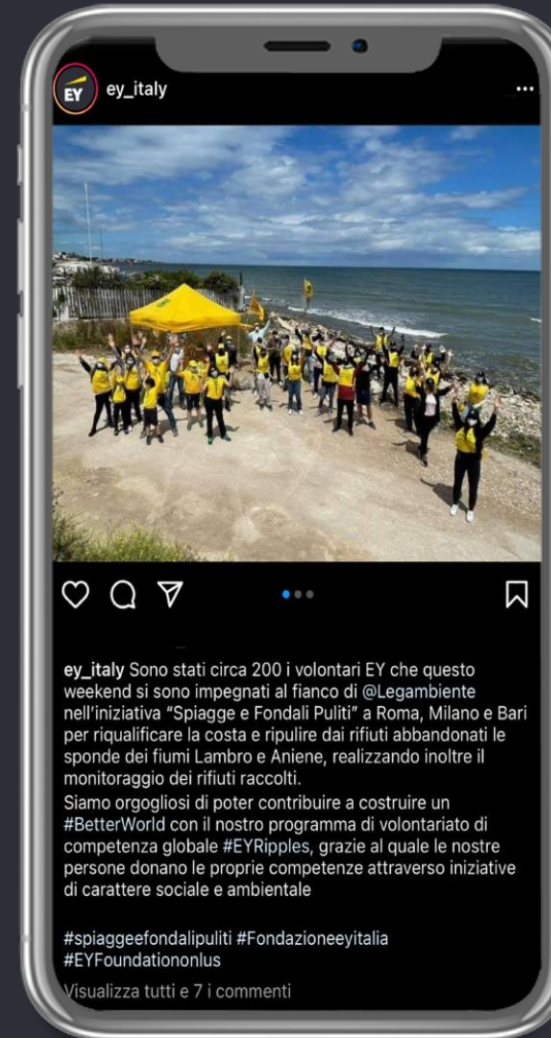
74 %

INTERN/STAFF/SENIOR

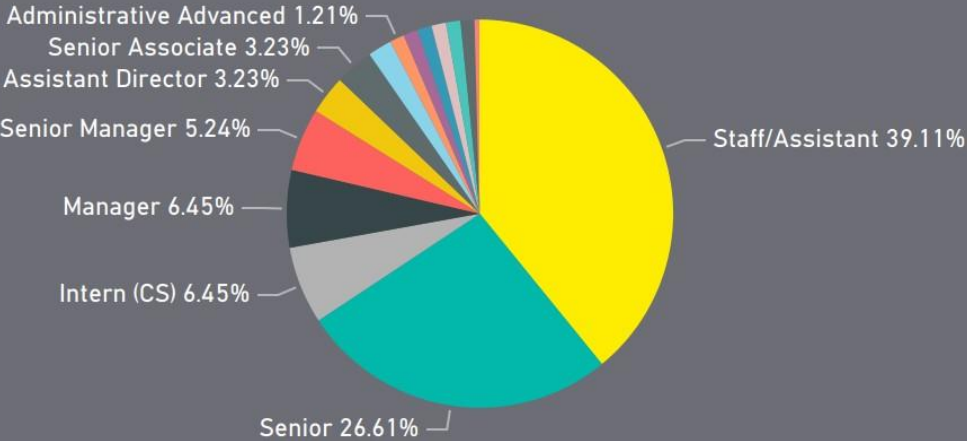
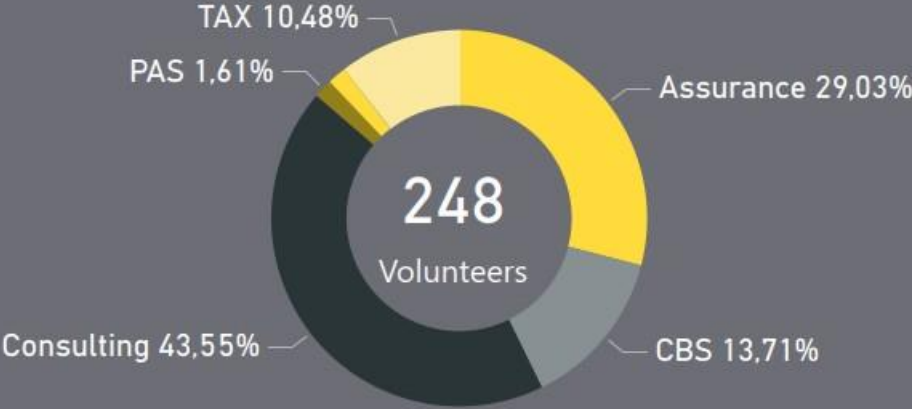


26 %

EXECUTIVES

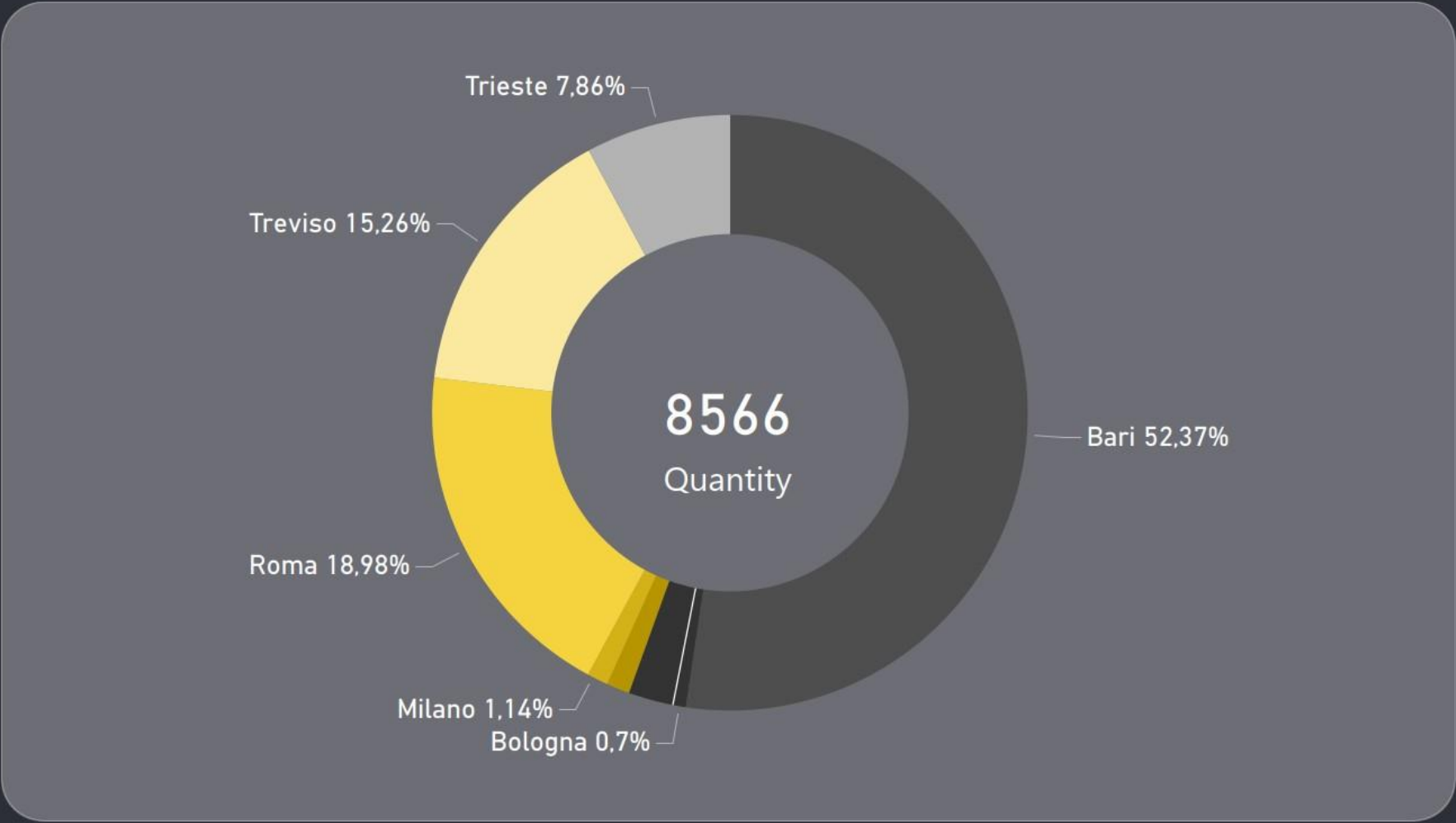


# Deep on Waste - EY Volunteers Business Lines and Ranks





# Deep on Waste – Waste Quantity Removed from the Environment by City



# Waste Degradation Times

## Weeks

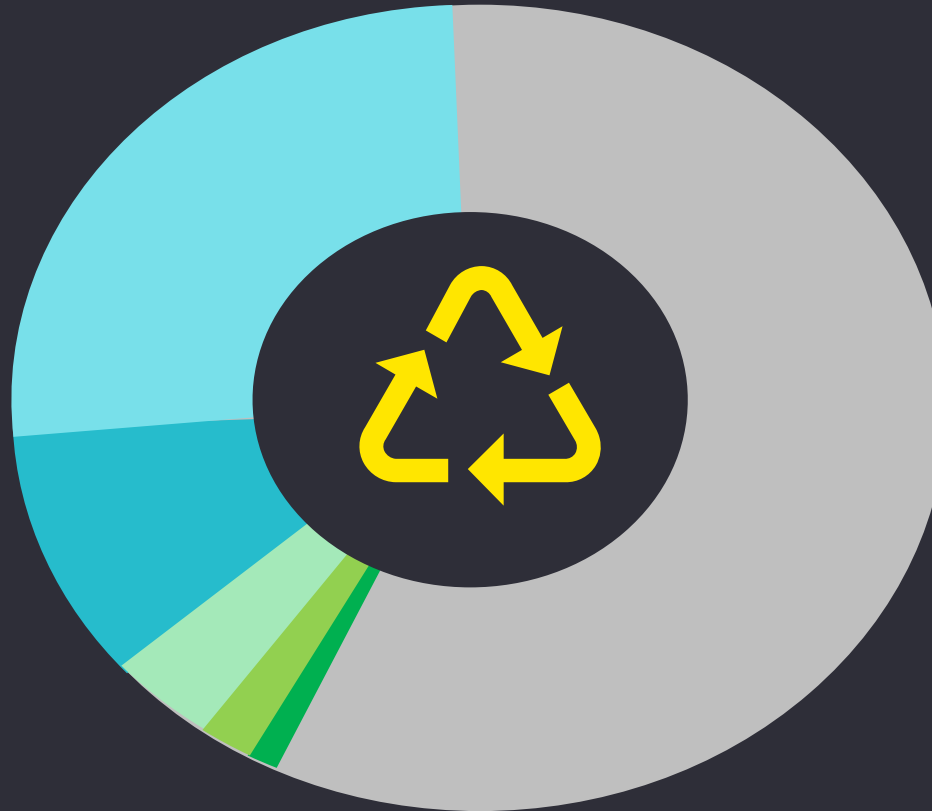
Organic waste  
handkerchiefs and paper  
bags, newspapers

## Months

Containers of milk and fruit  
juices, carton, Cotton  
garments

## 2-5 Years

Plywood, cigarette  
butts, Heavy wool clothing



## 10-40 Years

tights and windbreakers,  
carpet, disposable  
diapers, cans, car  
tires, leather

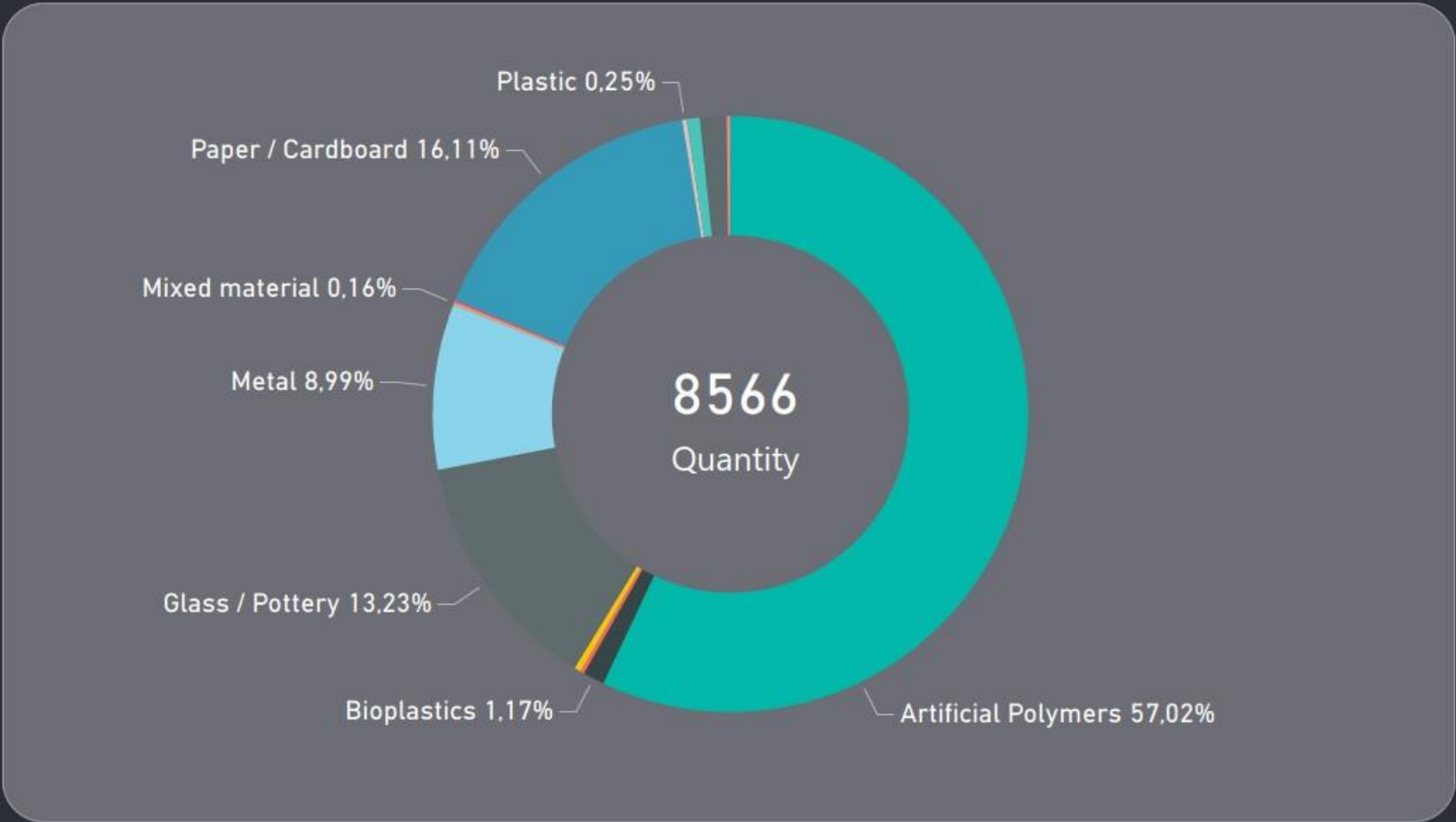
## 200-500 Years

Aluminium cans and plastic  
bottles

## Over 1000 Years

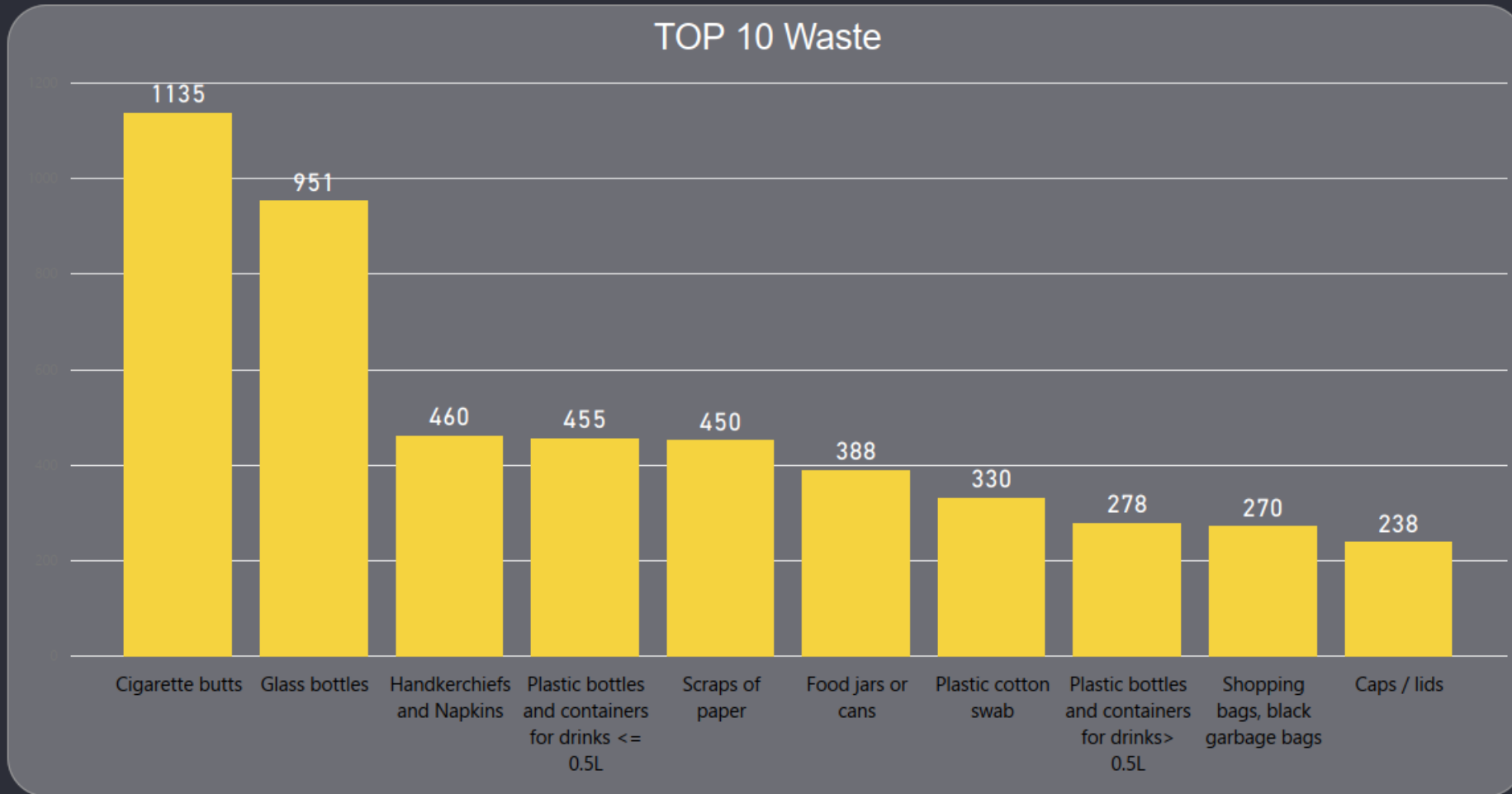
Glass jars and bottles

# Deep on Waste - Waste Type





# Deep on Waste - Top 10 Waste Collected



# Agenda

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Clean up the word 2021

Tree planting 2022

# Tree planting 2022

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As part of #betterworld and in line with the sustainability initiatives implemented by Europe West and with the actions of our sustainability plan, the EY Foundation joined European Life Terra project.

Reduction of particulate matter and CO2, temperature mitigation, water regulation and increase in property value. These are some of the advantages of the presence of trees and forests in cities, which the health emergency and the months of lockdown have highlighted even more the importance of having easily accessible and well-distributed green spaces throughout the urban areas

The EY tree planting activities for the spring 2022 period included the following steps

- Planting by EY volunteers of n. 100 trees in urban areas identified by Legambiente for redevelopment in Milan and Rome (March 2022)
- Planting by professional workers of the Albero & Legno consortium in Mantova area, of 6,300 trees







# Planting event

## Rome - Participant and activity Overview

The activity involved around **70 EY volunteers** who, in March, worked with Legambiente to help in a tree planting action to requalify **Riserva Naturale Dell'Acqua Fredda** area. The volunteers were able to use their personal kits, provided by **Legambiente**, to help plant trees.





# Planting event Rome - Park overview



02/03/2022



Vicolo dei Casali di Acquafredda, 35, 00166 Roma RM



Trees planted 50: 18 Holm oaks (*Quercus ilex*), age 8 years;  
32 laurels (*Laurus nobilis*), age 5 years



(Holm oak)



(Laurel)



The natural reserve of the Tenuta di Acquafredda is a protected natural area located in the municipality of Rome, included in the Casalotti area. The reserve occupies an area of 254 hectares in the environmental ecosystem Ponte Galeria - Arrone, in the Aurelio suburb in Rome. Guided tours are organized at the park by the schools to admire the typical local fauna.



# Planting event Rome - Trees



There are numerous benefits of planting trees. New trees means more biodiversity, improving water and air quality, presence of more cool areas in summer etc.

A study\*\*\*\*\* by the CNR of Bologna in 2017 made it possible to evaluate how much a tree is able to absorb the CO2 emitted, also proposing a classification based on different parameters



18 Holm  
Oaks

32 Laurels



24/03/2022



Lat.  
45°32'22"N  
Long.  
9°09'24"E

## Results of cherry tree study

KPI	RESULT
Environmental mitigation capabilities	great
CO2 absorption [Kg/year]	140
Potential absorption of gaseous pollutants	high
Dust capture potential	high

Holm Oak

KPI	RESULT
Environmental mitigation capabilities	good
CO2 absorption [Kg/year]	22,5
Potential absorption of gaseous pollutants	medium
Dust capture potential	medium

Laurel





# Planting event Milano - Overview



24/03/2022



50 Cherry  
Trees



Lat. 45°32'22"N  
Long. 9°09'24"E



The planting activity concerned **50 cherry trees of 5 years of age** and took place in Cormano in the Public Park between via Eritrea and via Kennedy.

The chosen area is part of the Balossa Park with an area of about 146 hectares, completely flat and divided between the municipalities of Cormano and Novate Milanese.

The park is frequented by residents, groups of teenagers, families and children given the high urbanization of the area.





# Planting event Milano - Trees



24/03/2022



50 Cherry  
Trees



Lat. 45°32'22"N  
Long. 9°09'24"E

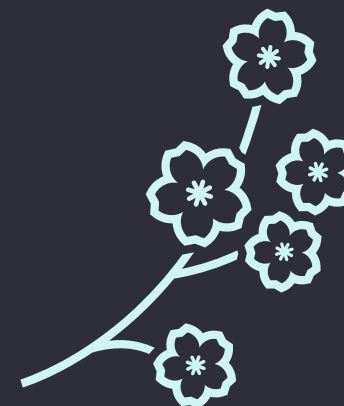


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## Results of cherry tree study

KPI	RESULT
Environmental mitigation capabilities	good
CO2 absorption [Kg/year]	85
Potential absorption of gaseous pollutants	good
Dust capture potential	high



# Benefits of planting trees



## Social benefits

- ▶ Provide positive impact on mental health and wellbeing by reducing stress
- ▶ Promote outdoor activities
- ▶ Educate about the benefits of nature
- ▶ Improve cognitive development and education



## Environmental benefits

- ▶ Improve air quality, providing oxygen and removing CO<sub>2</sub>/pollution from the air
- ▶ Increase resilience to climate change
- ▶ Create wildlife habitat adding to biodiversity
- ▶ Reduce the urban heat island effect



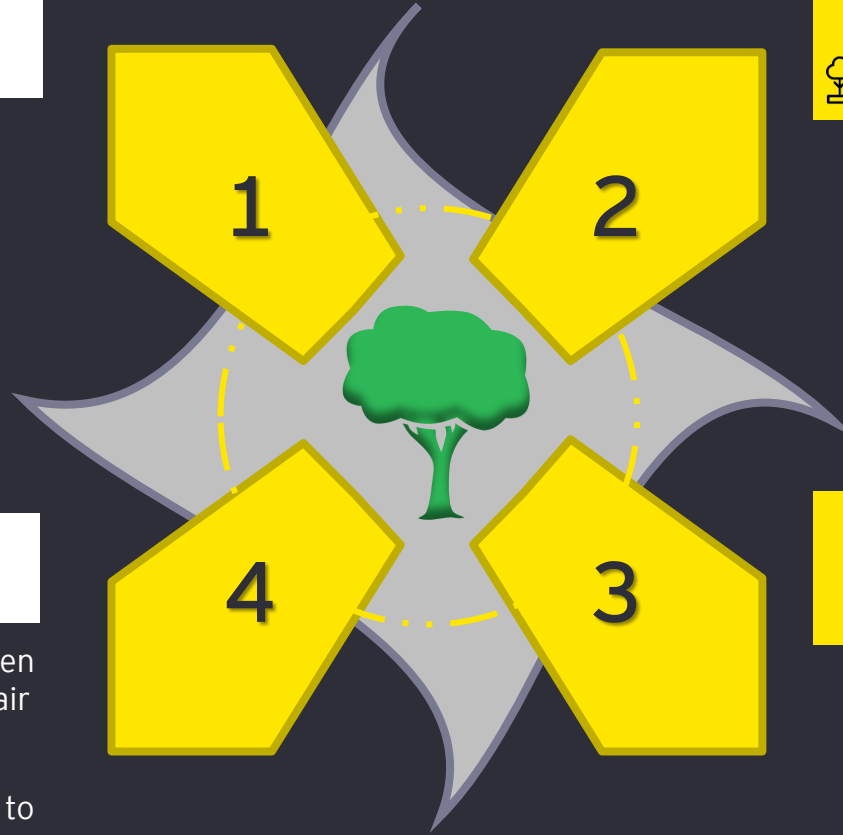
## Communal benefits

- ▶ Build community spirit and ties
- ▶ Complement the architecture or design of buildings or entire neighborhoods
- ▶ Reduce crime and decrease violence



## Economic benefits

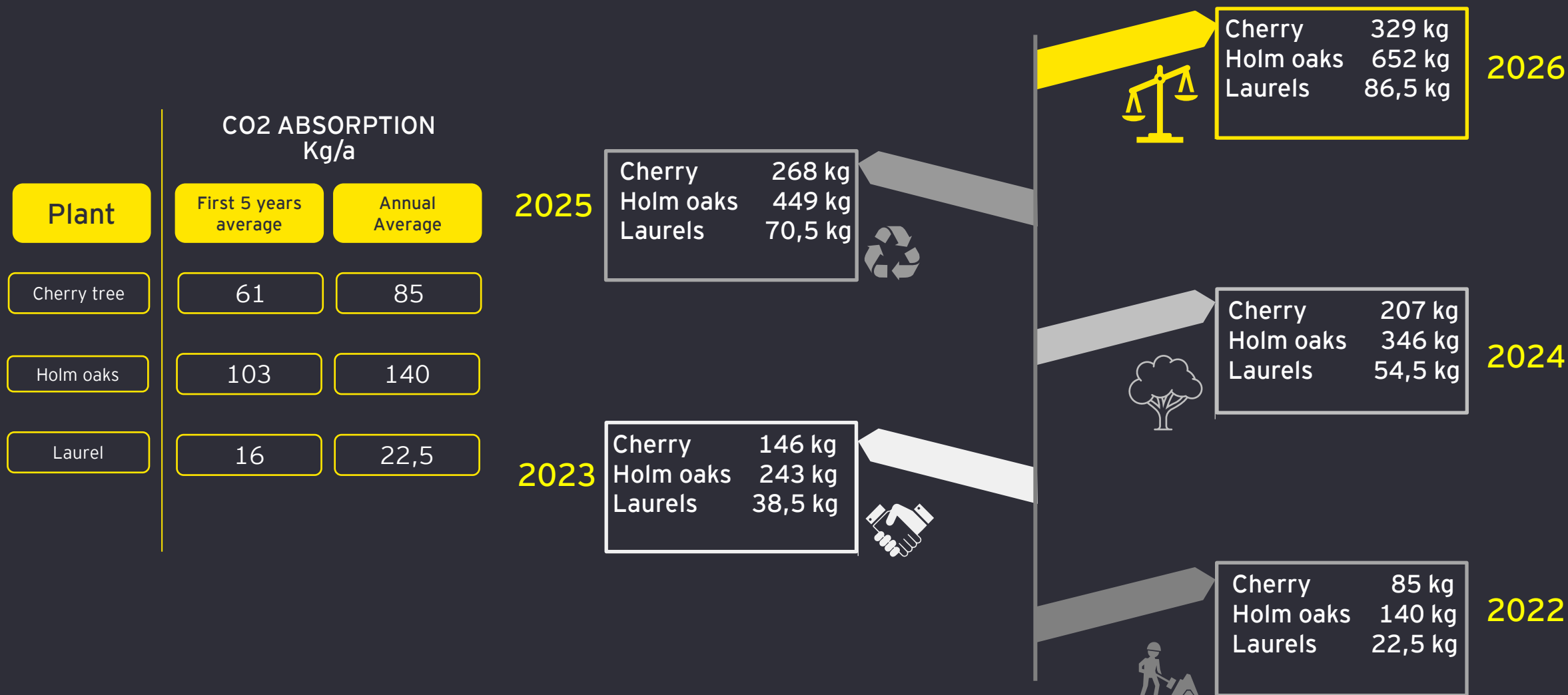
- ▶ Reduce energy use and bills
- ▶ Increase home prices and rental rates
- ▶ Support tourism and contribute to local economies
- ▶ Reduce greenspace management costs







# CO2 Absorption Kg/a



\* Link: [Quanta CO2 viene assorbita da un albero? - GESTIRE IL VERDE](#)

## EY | Building a better working world

EY exists to build a better working world, helping to create long-term value for clients, people and society and build trust in the capital markets.

Enabled by data and technology, diverse EY teams in over 150 countries provide trust through assurance and help clients grow, transform and operate.

Working across assurance, consulting, law, strategy, tax and transactions, EY teams ask better questions to find new answers for the complex issues facing our world today.

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