

DESTINATION NET ZERO CARBON 2030

Less is more. Zero is better



INTRODUCTION

Commitment
Responsibility and organisational structure
Method and approach



COMMITMENT



By adhering to the sustainability line proposed by ACI Europe for the commitment to "Net Zero Carbon Emissions from Airport Operations", the Company confirms the fight against climate change by limiting energy consumption, the use of renewable sources and the absorption and offsetting of its own greenhouse gas emissions.

Aeroporto G. Marconi di Bologna S.p.A. is absolutely committed to reducing its emissions to achieve the net zero carbon objective by 2030 and guiding its stakeholders towards decarbonization.

NAZARENO VENTOLA
CEO of ADB

SCOPE 1 and SCOPE 2 emissions



NET ZERO CARBON BY 2030

0 Ton CO₂ by 2030

With a minimum of 90% own reduction and applying carbon removal for the residual

RESPONSIBILITY AND ORGANISATIONAL STRUCTURE

Bologna Airport Sustainability team



Tomaso Barilli
Environment
Sustainability and
coordinator



Diego Mezzadri
Energy



Barbara Melotti
Mobility



Lucia Silvestri
Social Sustainability



Silvia Suppini
Economic Sustainability



Dora Ramazzotti
Circular Economy
Grants & funding



Anna Rita Benassi
Communication



Giorgia Colella
Coordinating team



Donatella Lelio
Safety



Massimo Betelli
Operations & Maintenance



Nicola Gualandi
Commercial partners

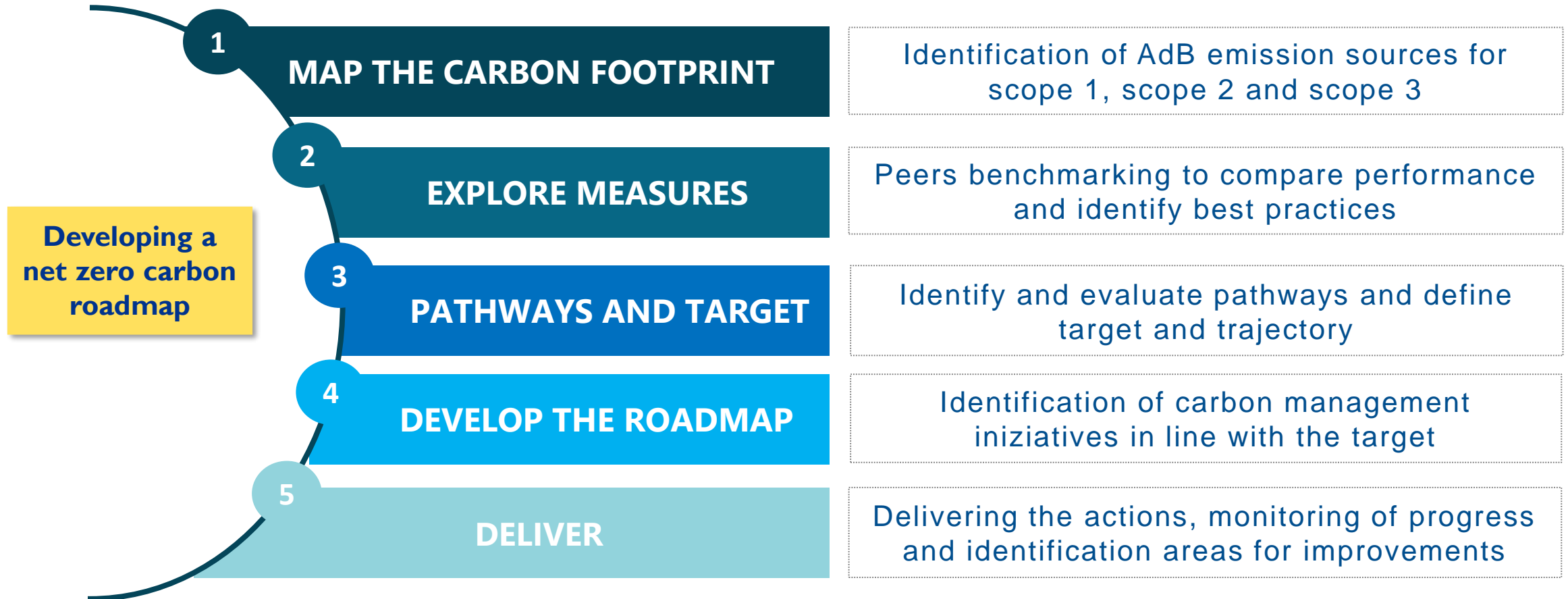


Francesco Casciari
Network development



Elisa Ciatti
IT& Innovation

METHOD AND APPROCH



OUR CARBON MAP

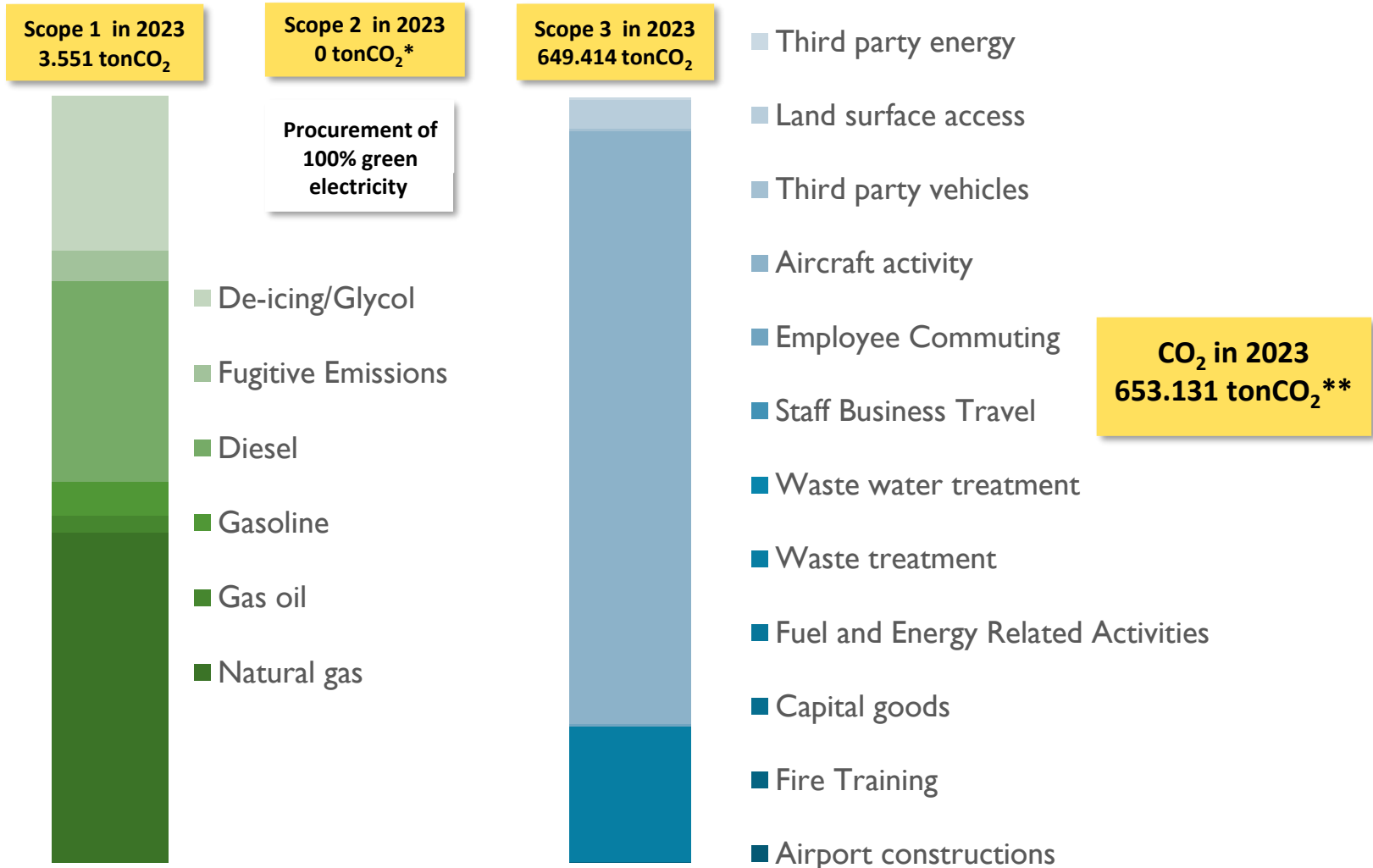
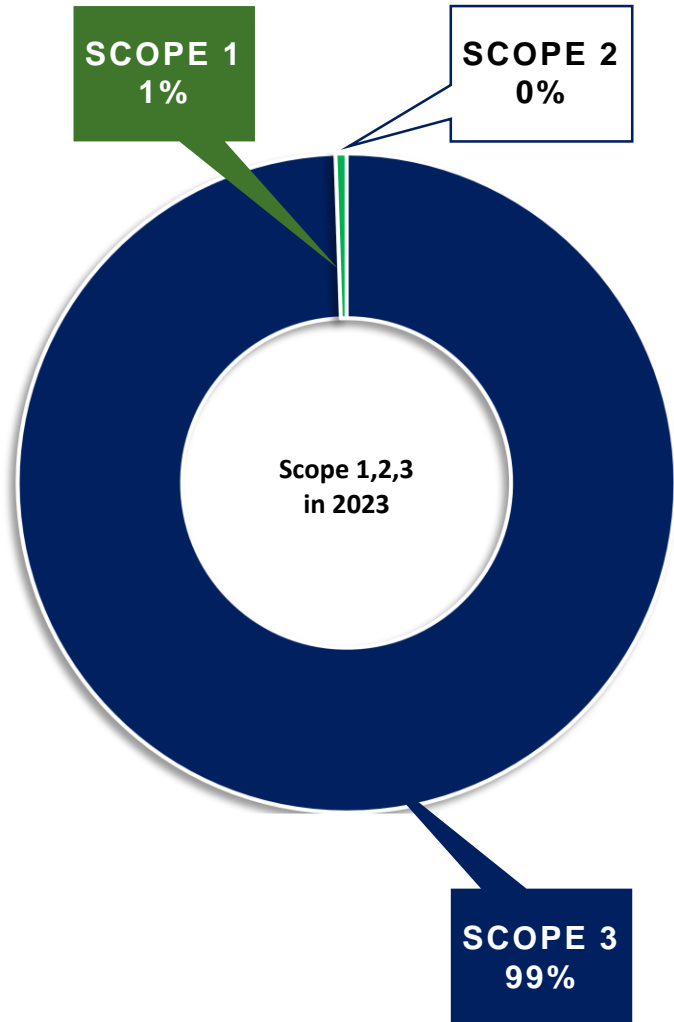
Carbon footprint

Key actions

Decarbonization trajectory



CARBON FOOTPRINT



*Indirect emissions are calculated using the market-based method
 **The Carbon footprint is calculated according to the Airport Carbon Accreditation Manual



KEY ACTIONS

Electrification and Energy efficiency

Replacement of fossil fuel usage in heating systems with clean electricity (e.g. electric heat pump instead of fossil fuel-based heating) and Increase energy efficiency using less primary energy for the same uses

Renewable energy

Implementation of on-site renewable energy sources (e.g on-site solar PV) and procurement of green electricity (e.g. RECs)

E-Mobility and Sustainable transport

Where possible, replacement of fossil fuel usage in transport with clean electricity (e.g. fleet being replaced with electric) or with low-emission fuels and purchase of vehicles with lower fuel consumption

Removal

Carbon absorbing with on-site forestation measures and/or or using approved/certified offset removals

1

Decarbonization of main heating system

-5.100 ton CO₂

2

Increase energy efficiency

Saving is included in point 4

3

Implementation of on-site renewable energy sources

-2.700 ton CO₂

4

Procurement of green electricity (e.g. RECs)

-4.700 ton CO₂

5

Replacement of fossil fuels vehicles with electric or with low-emission fuels

-220 ton CO₂

6

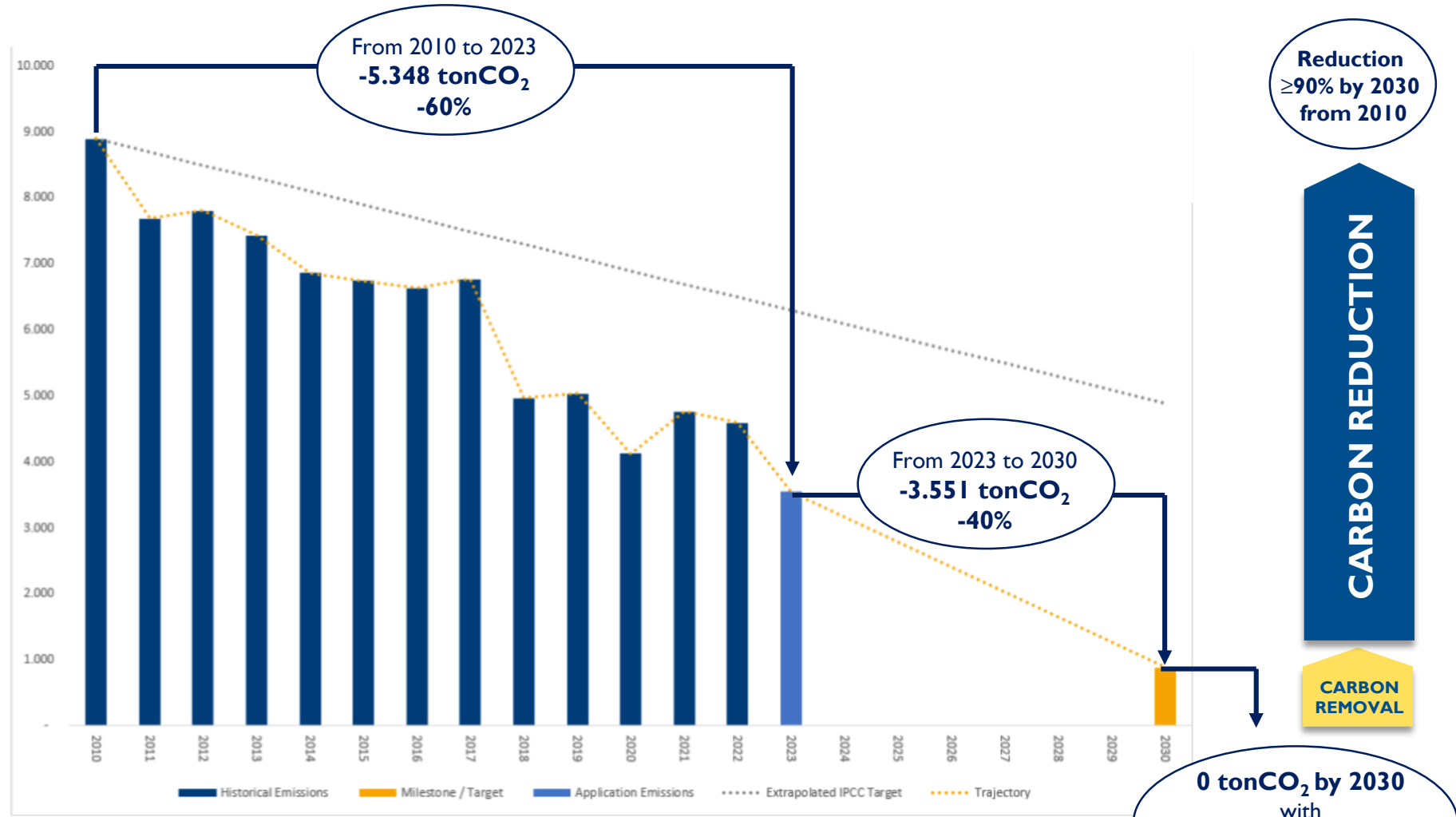
Carbon absorbing with on-site forestation measures

-2.300 ton CO₂

DECARBONIZATION TRAJECTORY

Historical Data	
Year	Actual Emissions (tCO ₂ e)
2011	7.690
2012	7.810
2013	7.438
2014	6.864
2015	6.746
2016	6.638
2017	6.770
2018	4.971
2019	5.033
2020	4.126
2021	4.764
2022	4.596
2023	3.551

Application Summary information		
IPCC Pathway:	1.5°C	
Target Boundary:	Scope 1 and 2	
	Year	Target Emissions (tCO ₂ e)
Baseline	2010	8.899
Long Term Target	2030	890



DECARBONIZATION STRATEGY

Electrification and efficiency

Renewable energy

Sustainable transport

Carbon absorbing

Collaboration with stakeholders



ELECTRIFICATION AND EFFICIENCY



ELECTRIFICATION AND EFFICIENCY

Aeroporto di Bologna is committed to replace the use of fossil fuels in heating systems with clean electricity through the set up of electric heat pumps and the reduction of primary energy consumption.

KEY ACTIONS

Replacement of fossil fuel cogeneration system (1,2 MWe)
New terminal heating system (1.300 kWt)
Increasing energy efficiency (lighting, HVAC, ...)

HIGHLIGHTS



-40% energy consumption for passenger use (vs. 2010)
10 heating plant revamping by 2030

RENEWABLE ENERGY



RENEWABLE ENERGY

Aeroporto di Bologna is committed to increase the production of energy from renewable sources through the set up of photovoltaic systems and the sole purchase of electricity from renewable sources.

KEY ACTIONS

Photovoltaic system BHS: 98 kWp
Photovoltaic system TERMINAL: 290 kWp
Photovoltaic system AIRSIDE: 4,4 MWp
Purchase of green electricity (RECs)

HIGHLIGHTS



4,8 MWp installed by 2030

100% electricity purchase from renewable sources

E-MOBILITY AND SUSTAINABLE TRANSPORT



E-MOBILITY AND SUSTAINABLE TRANSPORT

Aeroporto di Bologna is committed to pursue the green transition of its fleet, to set up electric charging stations and to invest in sustainable means of transportation.

KEY ACTIONS

Purchase of electric vehicles and set up of charging points

Gold-level certification as a Bike Friendly Company

Construction of cycle path connected to the “Eurovelo 7” route and electric bikes provided to employees

HIGHLIGHTS



4,3 km of cycle path Eurovelo 7

over 20 electric vehicles in 2024

over 50 electric charging points by 2025

CARBON REMOVAL



CARBON REMOVAL:

Aeroporto di Bologna is committed to absorb its emissions through on-site forestation measures and to remove the residual emissions through certified offset removal.

KEY ACTIONS

Carbon neutral since 2023

Reaching ACA 4+ level by 2024

On-site “green belt” forestation

HIGHLIGHTS



Around 22.000 planted plants
40 hectares of forestation

STAKEHOLDER ENGAGEMENT



STAKEHOLDER ENGAGEMENT

Aeroporto di Bologna is committed to promote cooperation and to engage with stakeholders with the aim to reduce emissions of major stakeholders' operations.

KEY ACTIONS

Incentive plan for the use of SAF by 2025

Mobility as a Service model for Airport Community Staff (multi-modal travel pass for employees, mobility manager, bike to work incentive)

Active contributor within the EU project for passenger multi-modal ticket (Plane-People mover-Train)

HIGHLIGHTS



Member of AZEA (Alliance for Zero Emission Aviation)

Over 100 ton/year of CO₂ saving through sustainable mobility initiatives for staff



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