

CARBON FOOTPRINT



WHY IS THERE A CLIMATE EMERGENCY?



HUMAN ACTIVITY DISCHARGES CARBON (CO₂) INTO THE ATMOSPHERE



CO₂ RETAINS HEAT FROM THE SUN: GREENHOUSE EFFECT



THE EARTH'S AVERAGE TEMPERATURE IS RISING TOO FAST

CONSEQUENCES OF CLIMATE CHANGE

FOR THE PLANET...



EXTREME CLIMATE EVENTS



MELTING GLACIERS



SEA-LEVEL RISE



EXTINCTION OF 30% OF ANIMAL AND PLANT SPECIES

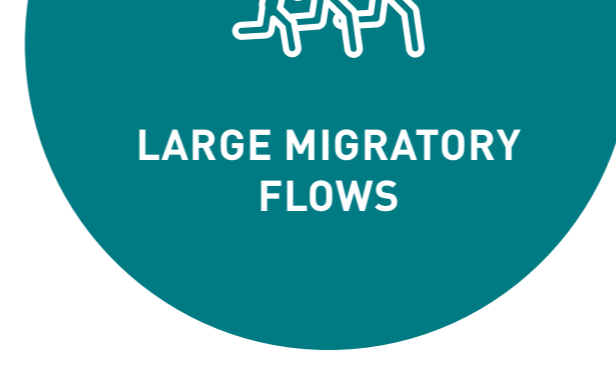
...BUT ALSO FOR PEOPLE



WATER SCARCITY



FOOD SCARCITY



LARGE MIGRATORY FLOWS



RISK OF CONFLICTS

OBJECTIVE: Limit warming to a maximum of 2°C

2015 : ENERGY TRANSITION LAW



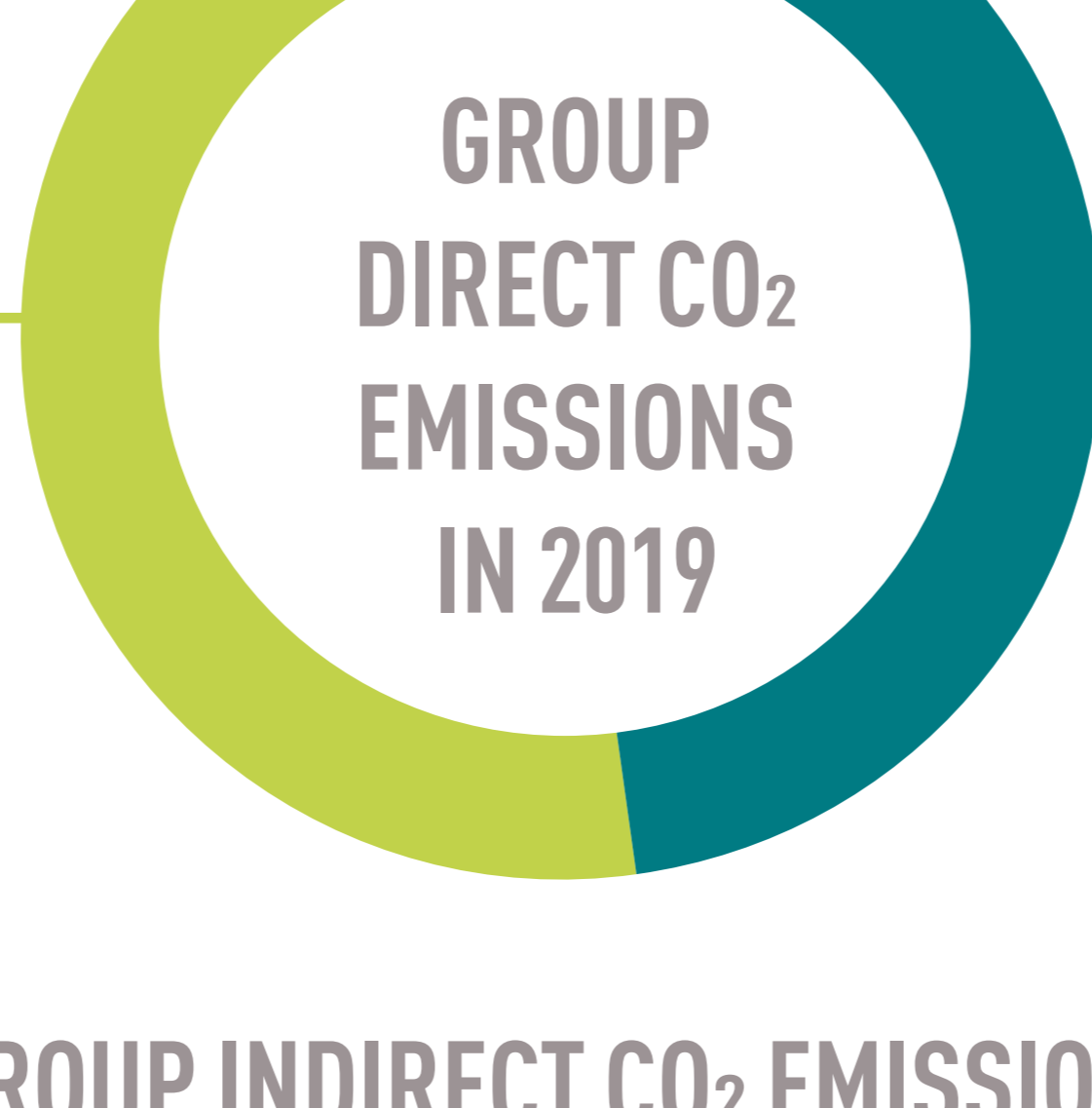
-75% LESS GREENHOUSE GAS BY 2050

ALTAREA IS COMMITTED!

#1

BY PRODUCING AN OBJECTIVE INVENTORY

52%
EMPLOYEE TRAVEL:
1,100 tCO₂e



48%
SHOPPING CENTRES
IN THE PORTFOLIO:
1,000 tCO₂e

GROUP INDIRECT CO₂ EMISSIONS (purchase of materials, travel by building occupants, etc.)

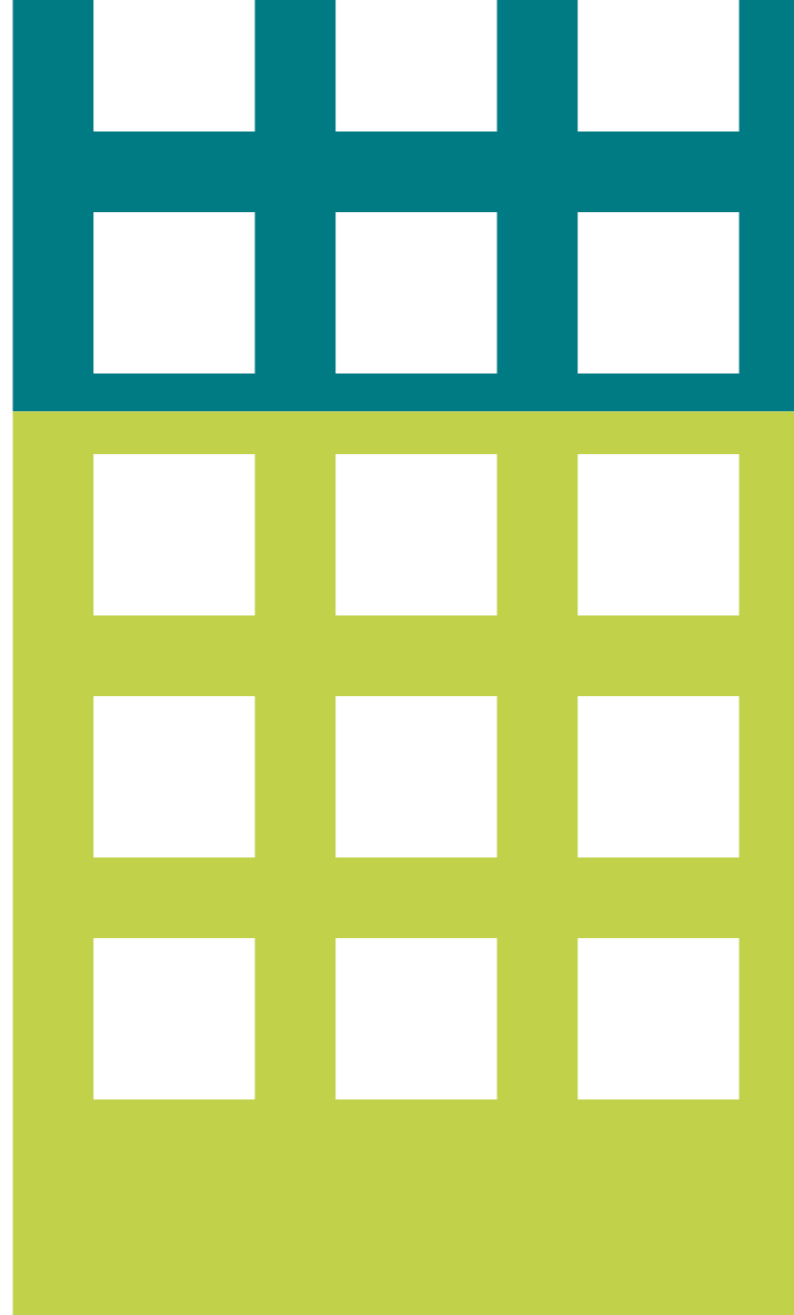
2019 : 7,080,000 tCO₂e

One French person emits an average of 7.5 tCO₂e per year. 1 tCO₂e is the equivalent of 6 round-trip flights between Paris and Nice for 1 person, or 5,000 km travelled by mid-size car.

CO₂ EMITTED OVER A BUILDING'S LIFETIME

Result based on the average of 20 carbon assessments of buildings developed by the Group (offices, residential and retail)

The building must be used for **80 years** for the emissions from its operation to "equal" emissions from its construction.



15%

OPERATION (mainly energy)

30%

CONSTRUCTION (mainly material)

55%

TRAVEL BY USERS OF BUILDINGS (residents, visitors, office users)

#2

BY OFFERING CONCRETE SOLUTIONS

TRAVEL

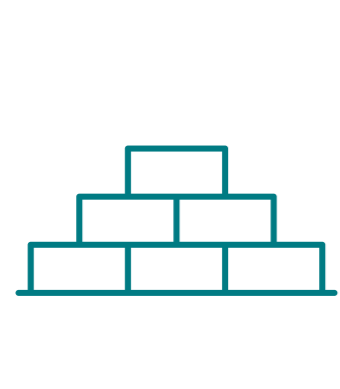


CHOOSING SITES CLOSE TO PUBLIC TRANSPORT

ACHIEVEMENTS

99% of residential projects and 100% of offices projects are **less than 500 m from public transport.**

CONSTRUCTION



USING CARBON MATERIALS (such as wood, which stores CO₂)

ACHIEVEMENTS

The Group has a **strategic partnership with Woodeum**, which specialises in low carbon residential property.



REHABILITATION OF STRUCTURES PRIORITISED

ACHIEVEMENTS

The subsidiary **Histoire & Patrimoine** is dedicated to **rehabilitation.**



ANTICIPATING BUILDING REVERSIBILITY

ACHIEVEMENTS

At Cap3000, the car parks were **designed to be reversible.**



INCREASING THE INTENSITY OF USE OF BUILDINGS

ACHIEVEMENTS

The Group is developing **flexible spaces and services in the offices projects.**

ENERGY



REDUCTION OF CO₂ EMISSIONS OF ASSETS

ACHIEVEMENTS

The actions taken across the portfolio have helped **reduce emissions by 60% since 2010.**



ENERGY EFFICIENCY OF BUILDINGS

ACHIEVEMENTS

100% of offices projects exceed regulatory energy requirements by at least 30%.



USE OF RENEWABLE ENERGY

ACHIEVEMENTS

The Le Due Torri shopping centre uses **geothermal energy.**

ADAPTING TO A WORLD WHERE THE CLIMATE IS CHANGING - RECOMMENDATIONS -

- Plant and promote green spaces to help offset heat islands
- Mitigate heat spikes starting in the design phase (direction, choice of materials and windows, etc.)
- Assess and manage the risks to our assets: heat waves, floods, etc.



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