

# Aviation Sector Sustainability Roadmap Cyprus impact

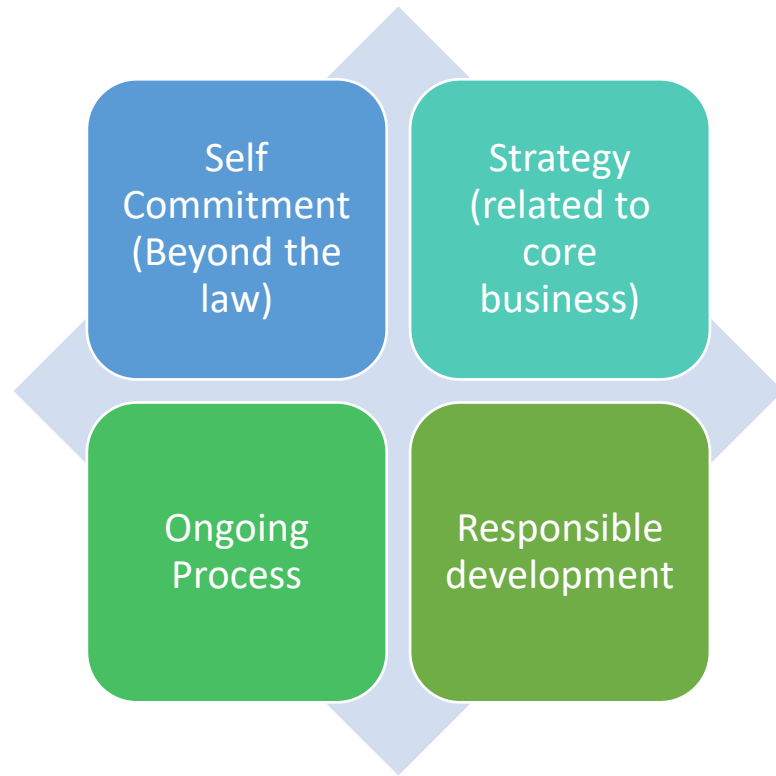
ACTE Conference

*March 2023*

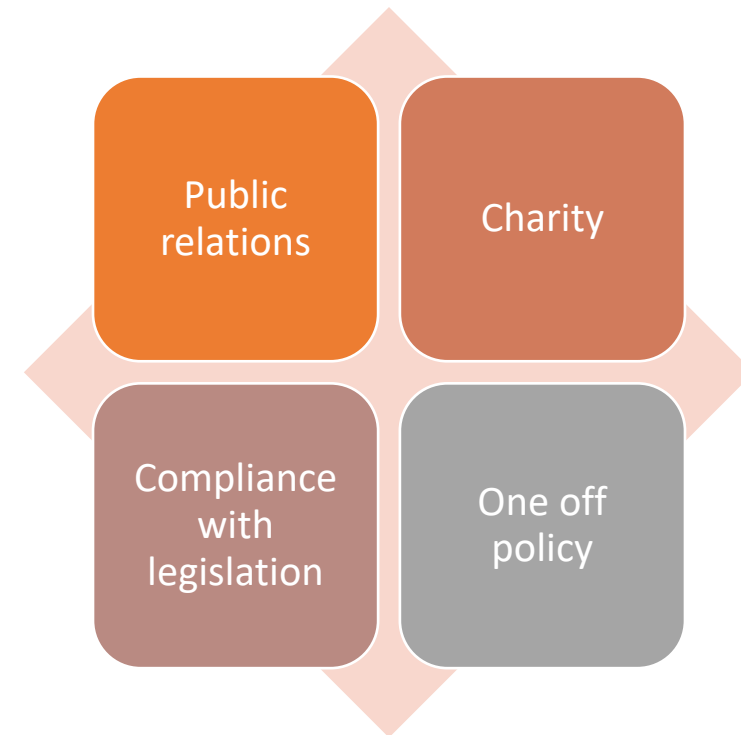


# What is/is not Sustainability

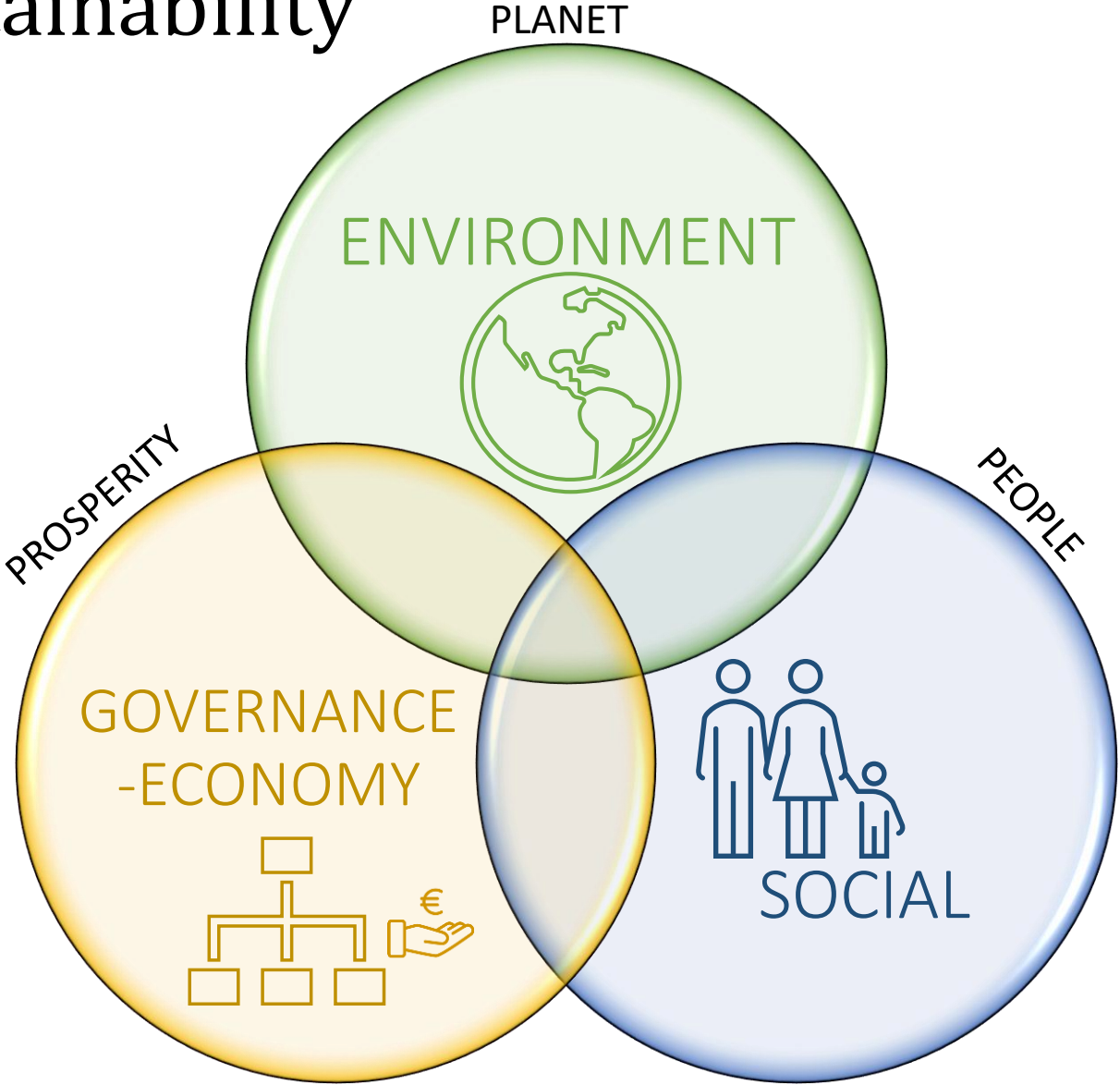
Sustainability is



Sustainability is not

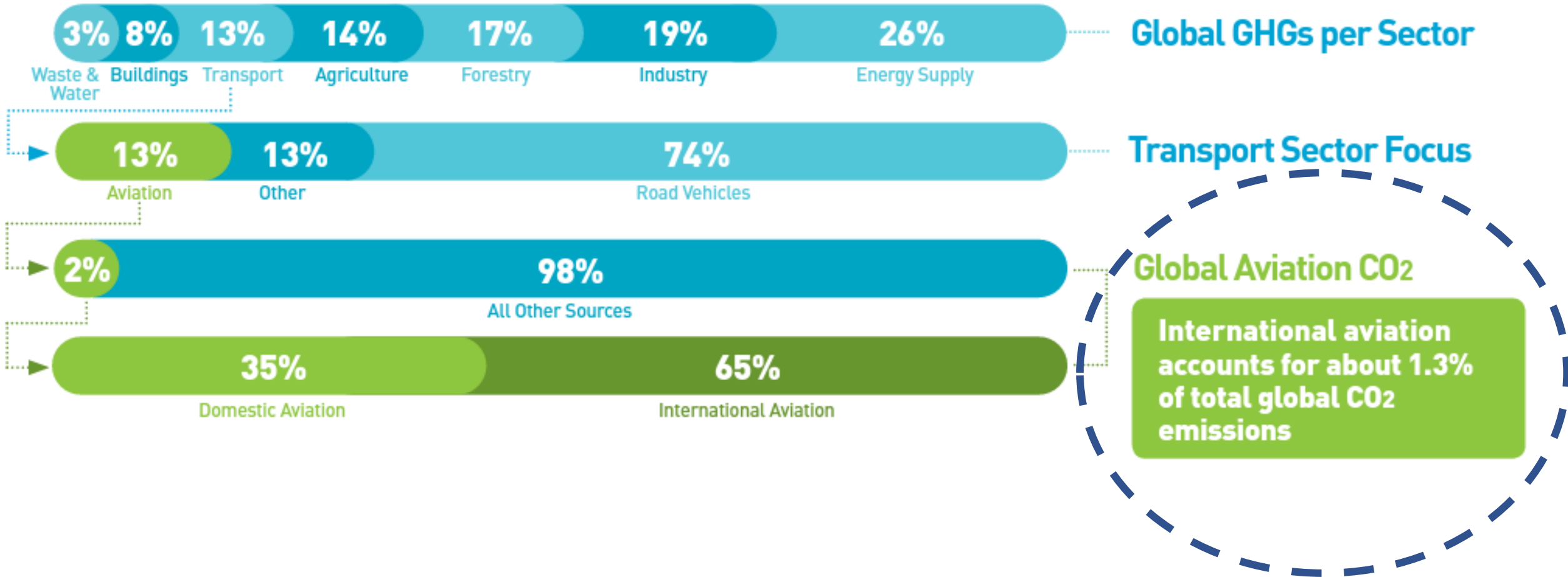


# What is Sustainability



“Harmonization of three interconnected core elements”

# Aviation Emissions



# Aircraft Emissions

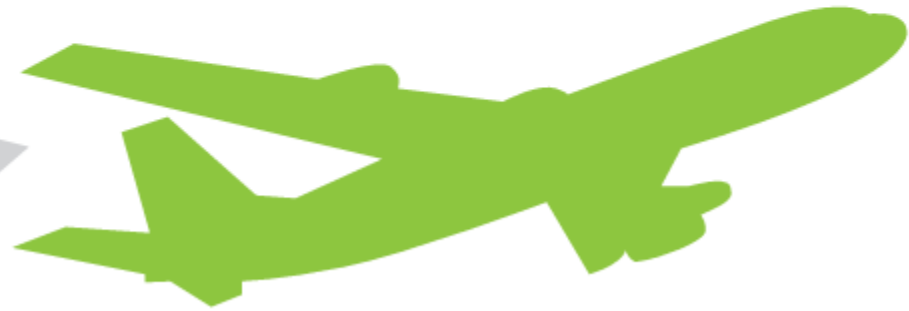
AIR TRANSPORT  
OPERATIONS  
**TODAY**  
VS 50 YEARS AGO

=

**80%**  
MORE FUEL  
EFFICIENT

+

**75%**  
QUIETER



# Environment

## AIRLINES

Fuel efficient aircraft  
(Neos, A220, B787)

Noise efficient

Sustainable aviation  
Fuel 2025 2%

2030 5%

Corsia/Fit for 55

Taxation

## AIRPORTS

Toulouse  
declaration/net zero by  
2050

Electrical /solar vehicles

Clean energy

APU with electricity

Waste management

Offsets/certificates of  
origin

## AIRSPACE

Direct routings

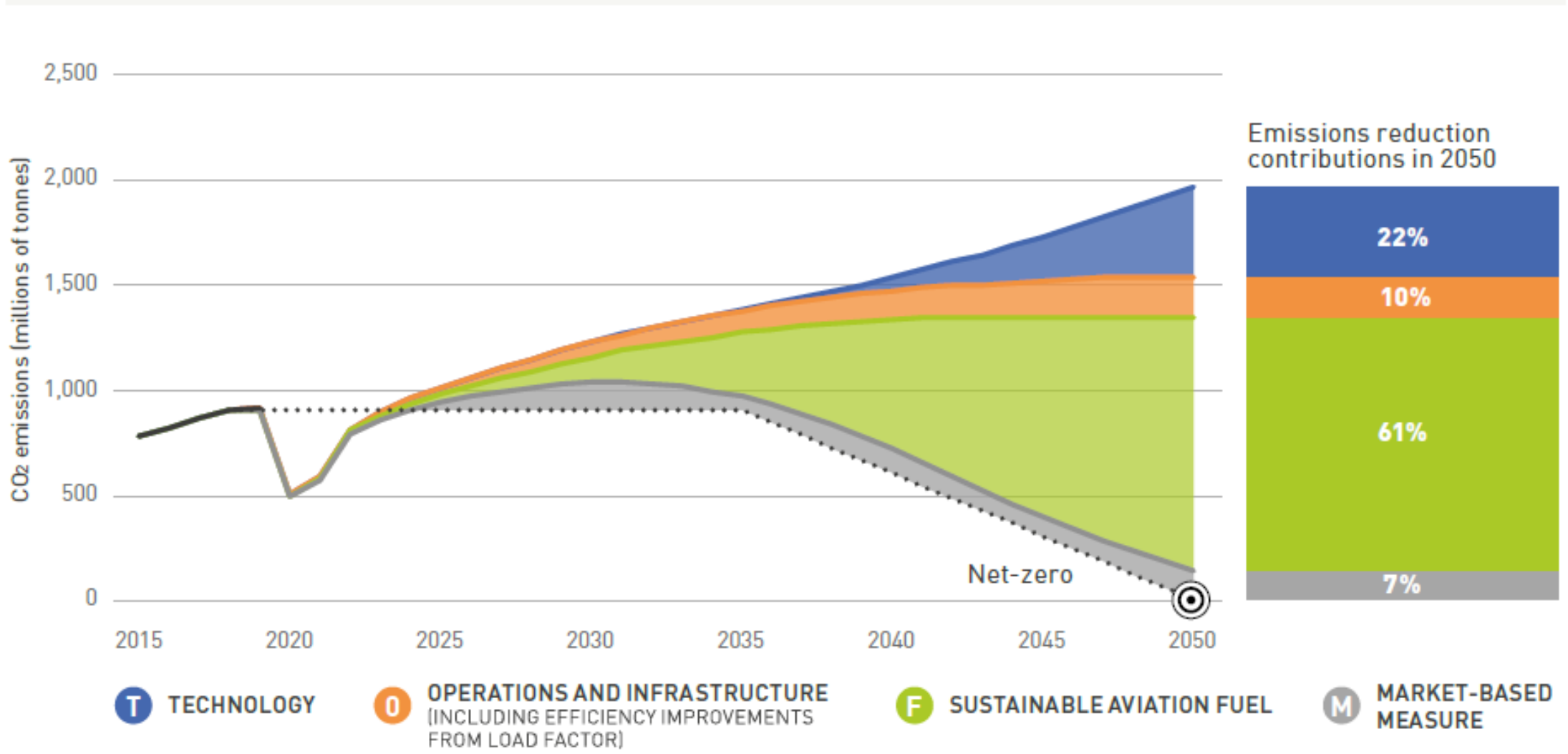
Collaborative Decision  
Making (CDM)

Delays/holding/Slots

Capacity to match  
Demand for the whole  
routing

Reduction of movements

# Aviation Emissions up to 2050



# Fit for 55

July 2021 European Commission issued a Package of Proposals

To make the EU's climate, energy, land use, transport and taxation policies fit for reducing net greenhouse gas emissions

Targeting by 2030 reduction of GHG emissions by 55 % vs 1990 levels.

Relevant changes for aviation:

- EU Greenhouses Gas Emissions Trading System
- Acceleration of sustainable fuels uptake
- Taxation on fuel
- **Impact on fares and demand**



# Fit for 55 revised directive – effect for Cyprus

## Crucial additions in the revised Directive:

The inclusion of the Sustainable Aviation Fuels (SAF) Allowance Mechanism, through which the increase in cost for the importation of SAFs will be controlled.

20m free emission allocations will be assigned to Cyprus to cover about 70% of the increase in cost from sustainable fuel vs regular fuel.

Also for island member-states smaller than 10,000km<sup>2</sup>, such as Cyprus, the difference in fuel cost will be covered **100% from a 0,5-billion-euro Fund**

A study will also be performed to measure the competitiveness consequences for the economy and Cyprus' connectivity.

# Airports Council International

“Every airport builds local and global partnerships to accelerate the journey towards fair, prosperous and environmentally responsible societies”

## Environmental impacts

- Climate Change
- Local Air Quality
- Material Resources
- Water
- Biodiversity

## Social Impacts

- Human Rights, Values and Ethics
- Noise & Quality of Life of Local Communities
- Employee Experience
- Quality of Service

## Economic Impacts

- Balanced Business Model
- Economic Development & Employability
- Sustainable Supply Chain
- Sustainable Destination
- Intermodality

# Hermes Airports active in all sustainability areas

## ENVIRONMENT

- Solar Plants to cover 30% of Energy Requirements
- Energy Savings (95% LED, HVAC system)
- Emissions reduction by 46% compared to 2010
- Replacement of vehicles with electric or hybrid
- Charging Stations for Electric Cars
- Waste Management with airlines
- One engine taxing
- Food composting

## SOCIAL

- Human Trafficking
- Code of Ethics
- Allegation procedure
- Gender remuneration equality
- Evexia program for employees
- Hermes academy
- IT equipment to schools
- 'I cook I offer' program
- Renovation of playground in Akapnou destroyed from fires
- Salt lake preservation

## ECONOMY

- 3% contribution in GDP - more than 20k jobs on an annual basis
- Year round connectivity
- Sustainable tourism
- Incentives for winter operation
- Promotion of Cyprus as a year round destination

## GOVERNANCE

- Risk Management policy
- Cyber security
- Procurement policy to increase weight on sustainable suppliers
- Ground Handling equipment sustainability plan

# Hermes airports



- Solar plants



- Tulips project



- Lemonade project

# NET Zero by 2050 commitment



194 European airports signed the resolution



311 airports support the Toulouse declaration

# Transavia & KLM examples



- Sustainable Aviation Fuel- 1% to grow to 14% by 2030
- Increased fares to pay for the cost of SAF
- Plans to introduce electric and hydrogen powered aircraft by 2050
- Hydrogen infrastructure near Rotterdam

# Emirates example



- Sustainable blankets and kids amenity toys from recycled plastic bottles
- Production of Emirates children's bag has saved 8m plastic bottles from landfill

# Aegean & Iberia Examples



- Joint action with passengers to support SOS Childrens' villages in Greece



Schooling project in San Martin Jilotepeque  
– only secondary education in the region



# Zurich Airport example



- Rainwater collect for toilet flushing
- Water from de-icing collected and purified
- Airport handles waste disposal for local companies and energy produced is used to power district heating network

# Rome Fumicino Airport example



- Food composting 1000t/year used to nurture airport's green spaces

We join forces today for a bright tomorrow for our children...

