

# Airline presentation template

Ryanair scenario

# Hypothesis - General informations

**Period considered :** 2023 - 2030

**2023 CO2 emissions :** 14.2 mtCO2eq.

## **Fleet hypothesis :**

B737\_NG : 213 planes

B737\_max : 85 planes

15 planes replaced per year

15 additional planes per year

emission reduction rate by new planes : 20%

**EU market share :** 90%

**2023 Free Allowances :** 90%\*14.2 mtCO2eq.

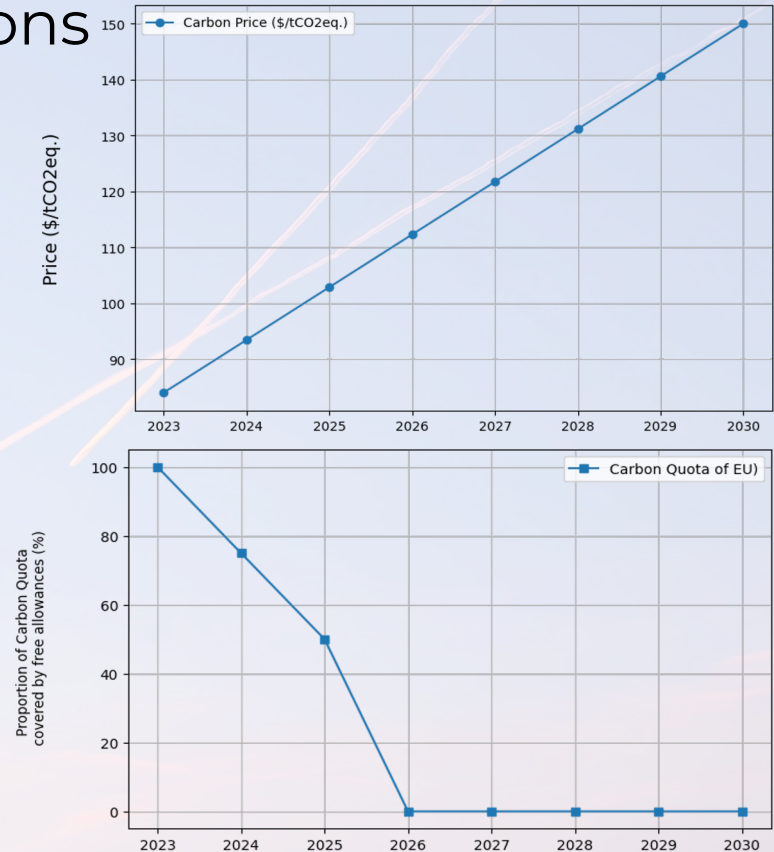
**SAF price :** 1,92 USD/L

**Kerosene price :** 0,7 USD/L

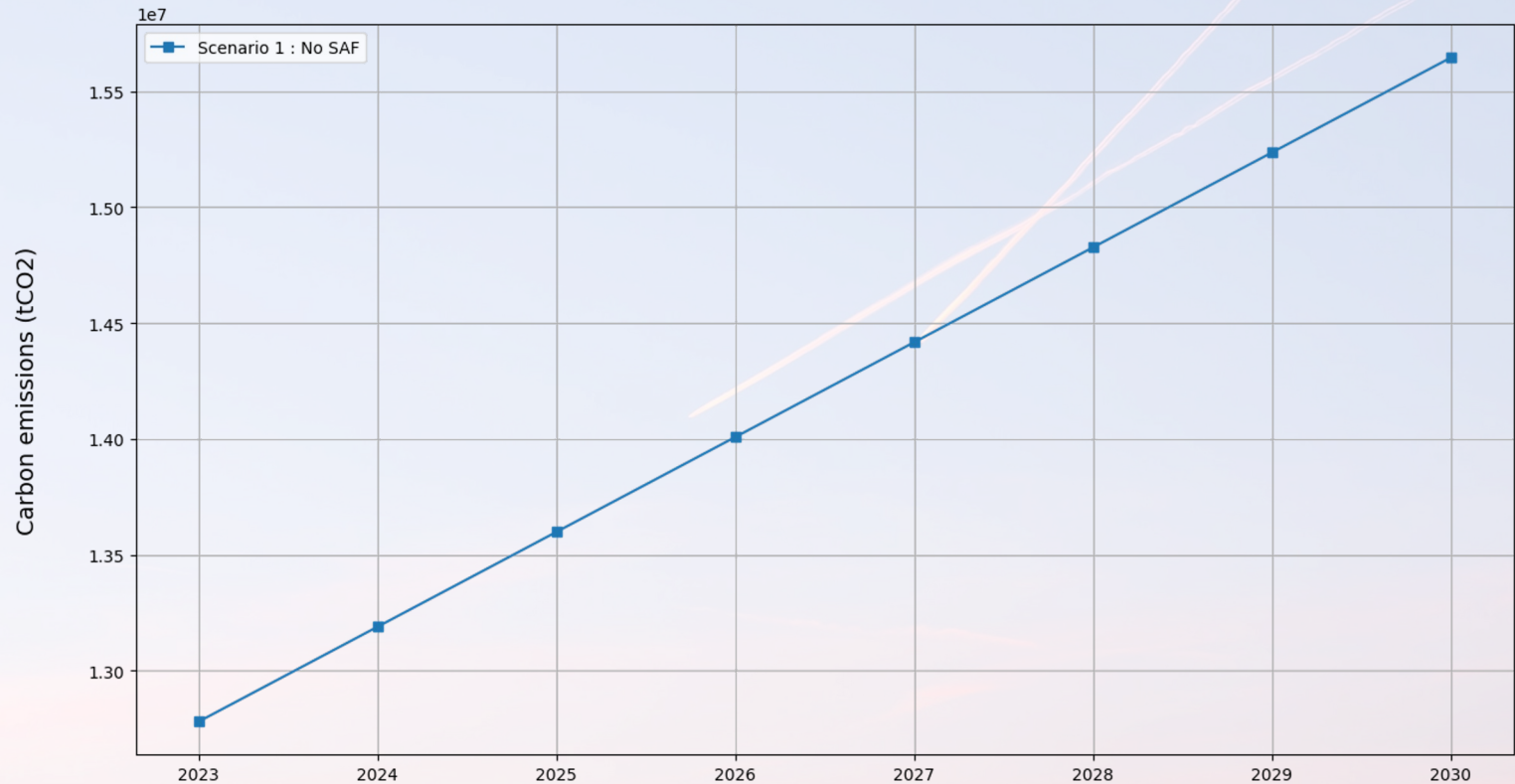
**Core LCA SAF :** 0 gCO2eq./MJ

**Core LCA kerosene :** 88,8 gCO2eq./MJ

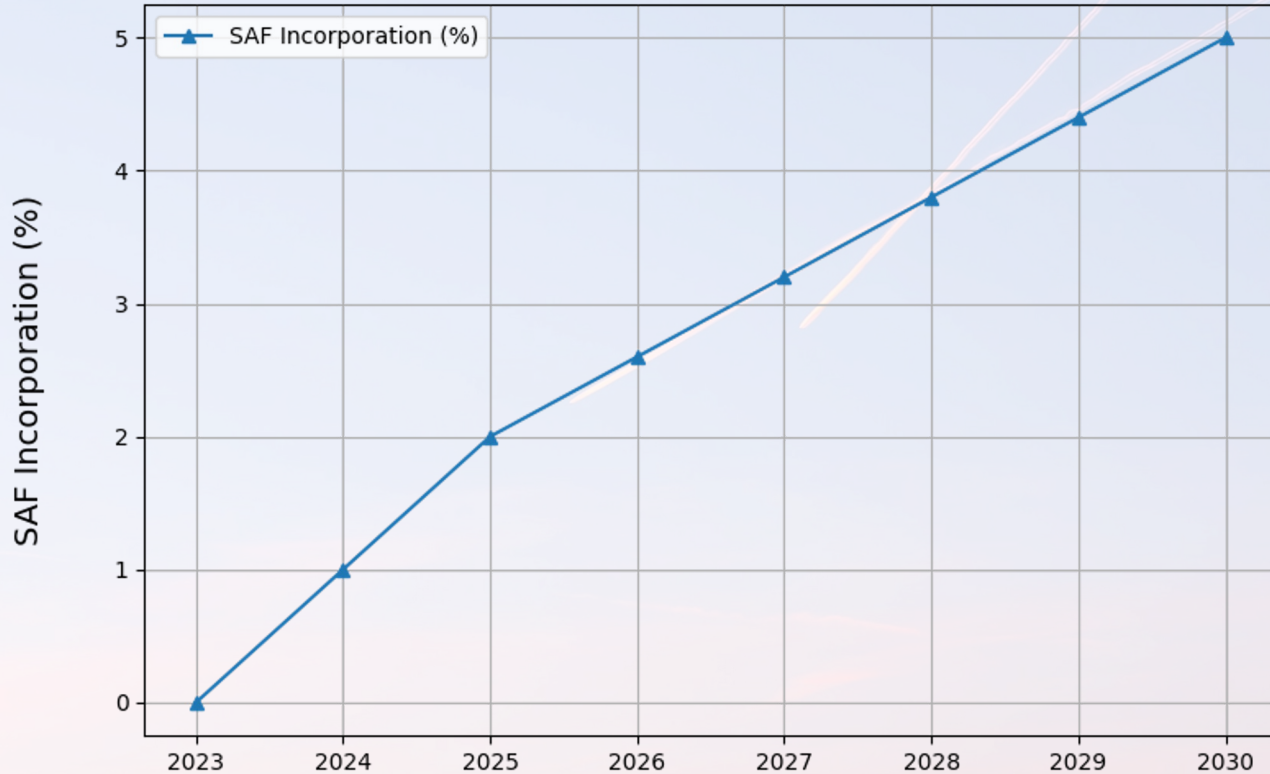
**Free allowances from EU :** 70% of additional costs



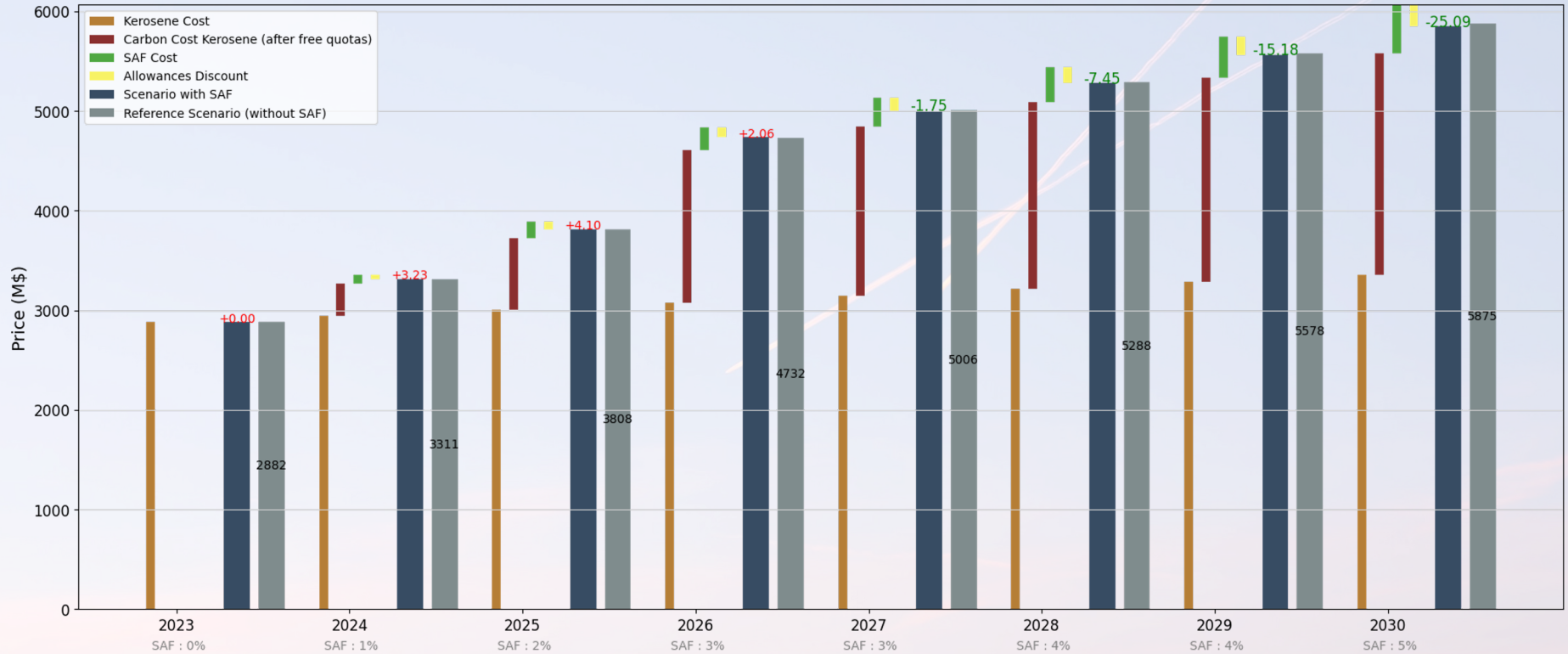
# Hypothesis - Carbon emissions



# Hypothesis - Incorporation rate

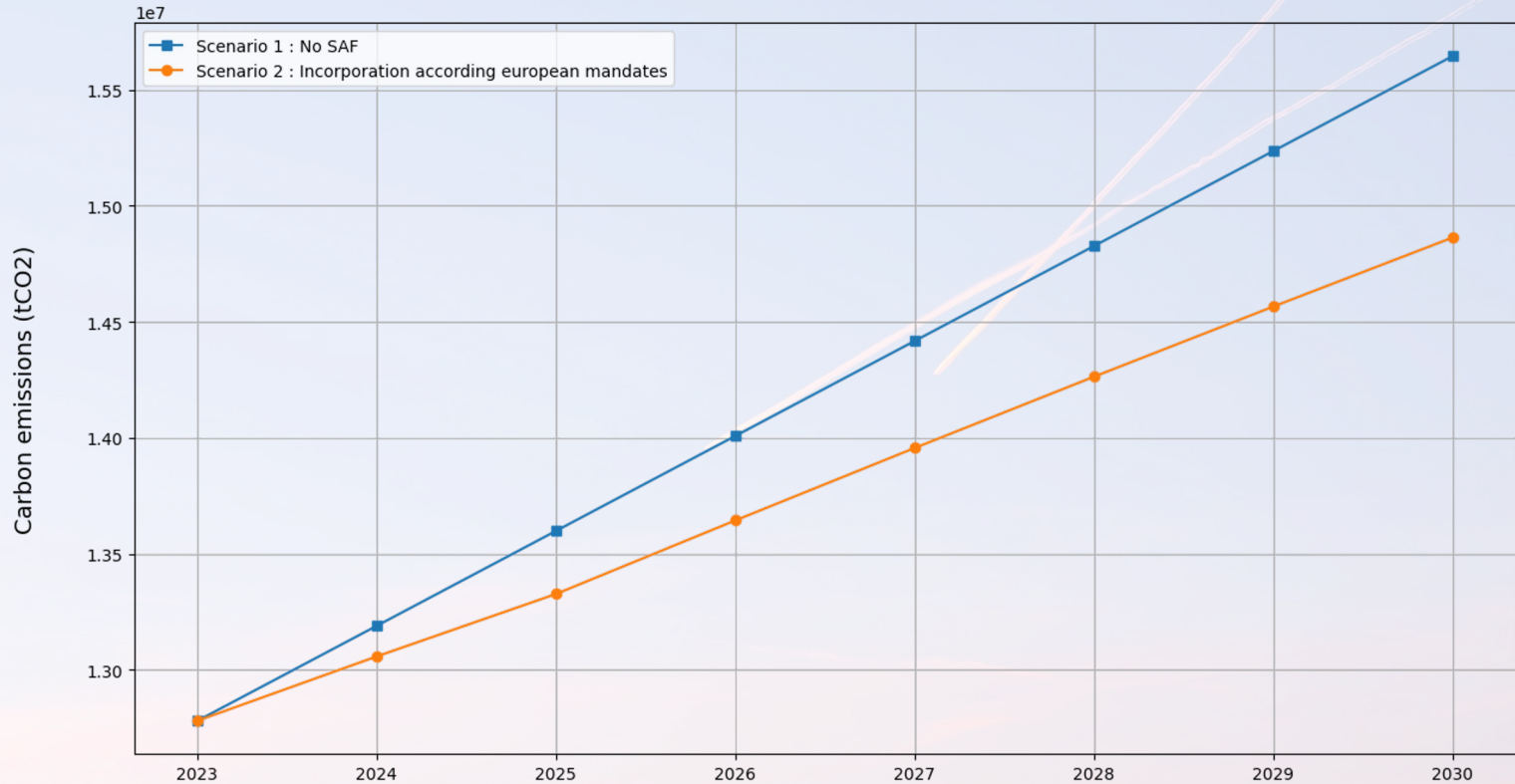


# Results - costs previsions





# Results - CO2 emissions



# Results - Optimal carbon price for SAF encouragement

CO2 must reach a certain price to encourage airline to use SAF. This price limit only depends on the gap between SAF price and kerosene price.

