

The SYRIUS Program aims to accelerate the decarbonization of industry as part of France 2030. To achieve this goal, SYRIUS mobilizes major industrial players in the region, identifies structuring projects, and optimizes their implementation. The ambition is to reduce greenhouse gas emissions from industry by 80% by 2050, by mapping out decarbonization pathways through some 30 studies divided into five thematic blocks.



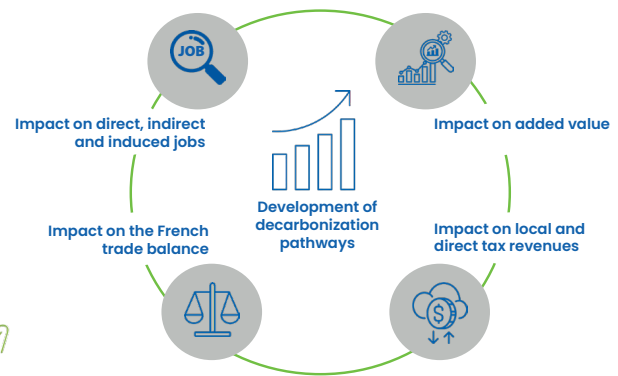
### DECARBONIZATION PATHWAYS AND INDUSTRIAL ECOLOGY

## Study 1.1: Analysis of the socioeconomic impacts of decarbonization pathways

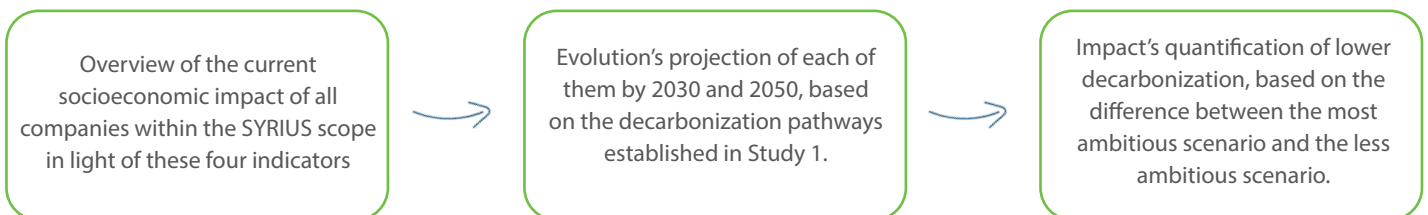
### Background and objective of the study

#### Context:

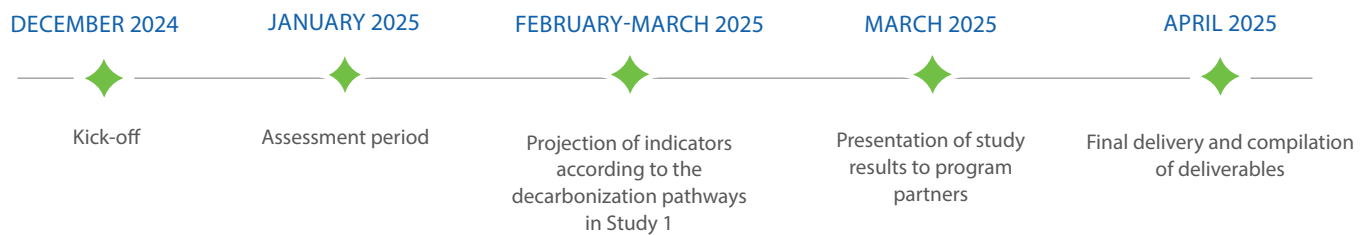
Study 1.1 of the SYRIUS program follows Study 1, "Decarbonization pathways." It aims to further analyze the decarbonization pathways established in light of four socioeconomic indicators that reflect the impact of decarbonization projects undertaken by industrial players within the SYRIUS scope.



#### Methodology:



### Key steps in conducting Study 1.1



Co-financer



Coordinator



Co-management



Service Provider





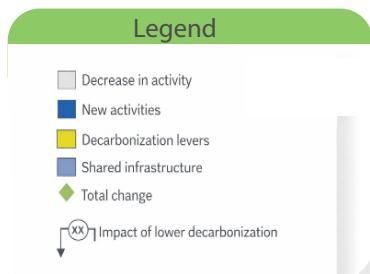
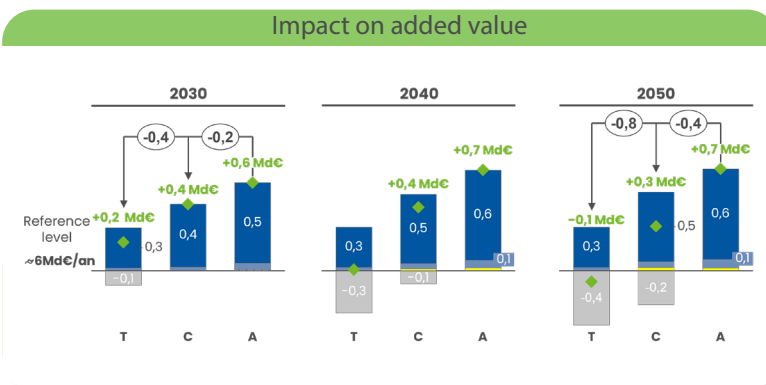
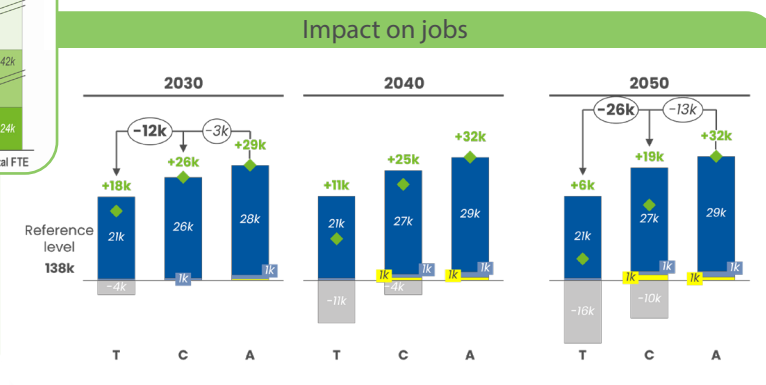
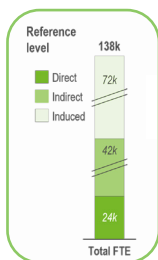
## Results

In **2023**, companies within the SYRIUS scope supported nearly **140 000 direct, indirect, and induced job** and generated **€6 billion** in added value and **€85 million** in tax revenue each year, as well as a trade surplus of nearly 4 billion euros in manufactured goods.

The establishment of new industrial activities in the area would lead to significant **job creation and added value by 2030**.

However, according to the central (C) and trend (T) scenarios, decarbonization targets would be achieved at the cost of a more or less significant **decline in activity and overall job losses** at existing industrial sites, a drop in production, and, therefore, **a shortfall in added value** and tax revenue. New activities would not fully compensate for these shortfalls.

The widespread and almost simultaneous implementation of **decarbonization measures** (ambitious scenario) would make it possible to preserve and **develop industrial activity** in the area, **support jobs**, boost the area's economic and strategic appeal, and strengthen French industrial sovereignty.



## Perspectives

The results of Study 1.1 highlight needs and avenues for further reflection in order to deepen the analysis of decarbonization pathways in this area

