

PROJECT PROGRESS

Spain

The objective of this report is to provide an overview of the Energy Intensive Industries (EII) sector in Spain, which is one of the most important industrial activities in the country. The Spanish National Statistics Institute has reported that the EII sector accounts for approximately 60% of the total energy consumption in Spain, with significant sectors such as chemical, iron & steel, non-ferrous metals, and paper.

The intensive processes required for these industries heavily rely on non-renewable sources such as coal, oil, and natural gas, with limited use of renewable energy sources. The challenge in decarbonizing this sector is due to high initial investment costs and the long service life of primary production process equipment, such as cement plants that can last up to 50 years. Despite efforts to reduce energy and CO2 costs in the past, the EII sector still accounts for over 23% of national energy consumption.

This report will describe the active companies, energy consumption profile, and major activities related to renewable energy utilization in the EII sector as investigated in the RE4Industry project, and present the main challenges and potential measures faced by the EII sector in Spain.

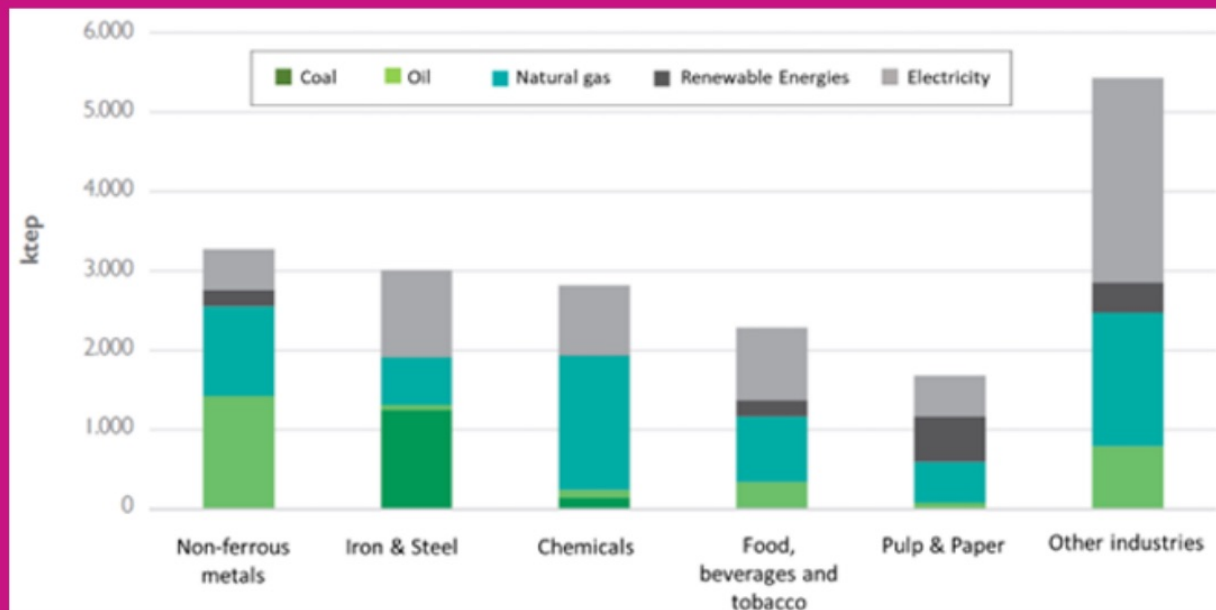


Figure.1 (Source: MITECO - Spanish Ministry for the Ecological Transition and Demographic Challenge. Available [here](#).)

