Open Data

Introduction

 The programm allows us to visualize the estimated CO2 emissions generated by electricity production in France.

 How it works :

-Collects data from an API and writes it into a string.
-The data is updated every hour.
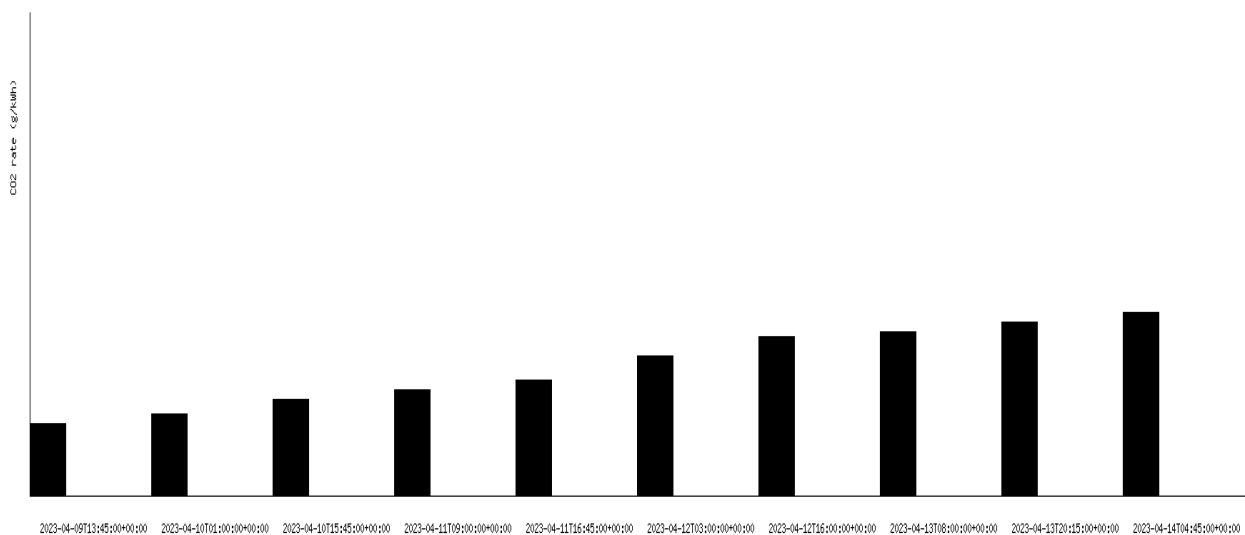
 -Data extraction :

-*Date*: date[text]

-*Date - Heure*: date_heure[datetime]

-*Taux de CO2 (g/kWh)*: taux_co2[int] Estimation des émissions de carbone générées par la production d'électricité en France.

The data will be plotted into an histogram , showing the evolution of CO2 emissions in time.

Estimated carbon emissions generated by electricity production in France, for the past 5 days

Data Source :
- Données éCO2mix nationales temps réel
- Json format
- URL : https://www.data.gouv.fr/fr/datasets/donnees-eco2mix-nationales-temps-reel-1/#/resources

Setup :ReadMe file in the git is provided for more details

- libcurl library has to be downloaded to retrieve json data from API.
- Json file is then parsed so we can select the wanted data.
- Data is plotted into histogram using GD library.