GROUP NAME: Climate analysts

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WHAT DOES THIS WEBSITE TALK ABOUT?

This website aims to discuss and to analyze the main facts and consequences of the climate change in Europe. Due to missing data, some charts will display values for some years and some countries (not all years and all countries available in the datasets). The website has five sections:

1. **Home**: the home section explains scientifically what the global warming phenomenon is, the greenhouse effect and the climate changes because of these. Since global warming regards a global temperature increase, a line chart will display the temperature evolution from 2010 to 2019 This section also talks about the ice melting (scioglimento dei ghiacci) and its consequences.

2. **Pollution & Nuclear Energy**: this section explains how pollution (air pollution in particular) influences global warming and how warming affects the economy of the countries. A line chart will show the economic losses in Europe due to global warming considering a certain period. Then, a bar chart and a choropleth map will show for some years for some European countries the economic losses due to global warming. Then, this section will show for some years which are the most polluting economic categories (agriculture, mining, transport etc.) through a bar chart and it will explain why these economic categories are so polluting. In the end, this section will discuss nuclear energy, which are the pros and cons and it will display for some years, through a choropleth maps, how much nuclear energy (nuclear heat for the production of electric energy) European countries produced. A scatterplot will also represent the correlation between economic losses and nuclear energy produced.

3. **Waste Management**: the waste management section explains the importance of waste management and the circular economy. Excluding mineral waste, for some years a (stacked) bar chart will show for some European countries how many tons of waste are recycled, incinerated with energy recovery and without, landfilled and backfilled. A scatterplot will also represent the distribution of the total not recycled or backfilled waste of some countries with respect to their economic losses.

4. **Renewable Energies**: the renewable energies section explains the importance of renewable energies to contrast global warming, and which are the main technologies employed. Then through a line chart, the section will show the evolution of the use of renewable energies in Europe and how much Europe has invested in UNFCCC. In addition, bar charts and maps will show for some years and for some European countries the amount of renewable energies employed and how much they have invested in UNFCC.

5. **Green Areas**: the green areas section explains the importance of forests and through a choropleth map it shows how much hectares of wooded land are present in each European country for some years. After that, the section shows the amount of area utilized for agriculture in each European country for some years through a choropleth map and in the end, it will explain the importance of agroforests. A scatterplot will also represent, for some years, the distribution of wooded area of some European countries with respect to their areas dedicated to agriculture.

DATASETS

https://ec.europa.eu/eurostat/databrowser/view/cli_iad_td/default/table?lang=en
https://ec.europa.eu/eurostat/databrowser/view/cli_iad_loss/default/table?lang=en

https://ec.europa.eu/eurostat/databrowser/view/env_ac_aigg_q/default/table?lang=en
https://ec.europa.eu/eurostat/databrowser/view/nrg_ind_ren/default/table?lang=en
https://ec.europa.eu/eurostat/databrowser/view/nrg_inf_nuc/default/table?lang=en
https://ec.europa.eu/eurostat/databrowser/view/sdg_13_50/default/table?lang=en
https://ec.europa.eu/eurostat/databrowser/view/env_wasoper/default/table?lang=en
https://ec.europa.eu/eurostat/databrowser/view/for_area/default/table?lang=en
https://ec.europa.eu/eurostat/databrowser/view/aei_ps_inp/default/table?lang=en

TYPE OF CHARTS
- Bar chart
- Line chart
- Choropleth map
- Scatterplot

SKETECHES
Check in the folder named Sketches.