



Press Release 1 (AEAC02RegNUTS)

Subject: The estimation of Carbon Dioxide (CO₂) emissions at regional level. (NUTS-III) 2008 – 2022.

The **HELLENIC INSTITUTE OF ENVIRONMENTAL ACCOUNTS (HIEA)** announces, for the first time, data of the estimation of Carbon Dioxide (CO₂) emissions at regional level for the period 2008-2022.

Carbon Dioxide (CO₂) is the main greenhouse gas. Although this gas has the lowest Global Warming¹ Potential (G.W.P.) of all greenhouse gases, due to the large quantities of its emissions, it has the greatest influence on the greenhouse effect and consequently on the further deterioration of the climate crisis.

The estimates of Carbon Dioxide (CO₂) emissions at regional level form the basis for the implementation of a series of important policies to prevent the climate crisis and at the same time, the implementation of the corresponding goals that have been set in the Paris Agreement (COP21) that have been institutionally accepted² by all EU Member Countries.

The main conclusion of the Paris Agreement (COP21) is summarized in the correlation between the global and the local. This clear approach means that, while the challenge of the climate crisis has a global impact, the appropriate policies to prevent it must be implemented at a local level.

¹Global Warming Potential is an indicator that estimates the amount of thermal radiation that a greenhouse gas absorbs over a period of time. The indicator for Carbon Dioxide (CO₂) is the lowest of all and is equal to 1.
² Greece ratified the Paris Agreement by passing Law 4426/2016 "Ratification of the Paris Agreement in the United Nations Framework Convention on Climate Change" 5/10/2016.

The concluding view "Think global action locally" which took a dominant position in the work of (COP21) in Paris and the agreement that followed, includes from a practical point of view a wide set of actions, which should be implemented by member countries within their national space as it is administratively separated at local level.

This expression constitutes a global unifying appeal to all those responsible for planning political actions for sustainable development at the local level through which they will collectively contribute to the achievement of global goals.

The development framework structure of the processes at the local level requires a clear knowledge of the environmental data of the respective local unit.

The aforementioned clear knowledge of environmental data as a prerequisite for a series of actions at the local level is necessary to include a wide set of statistical data through which the socio-economic and environmental correlations of all parts of the local unit must be fully and precisely described.

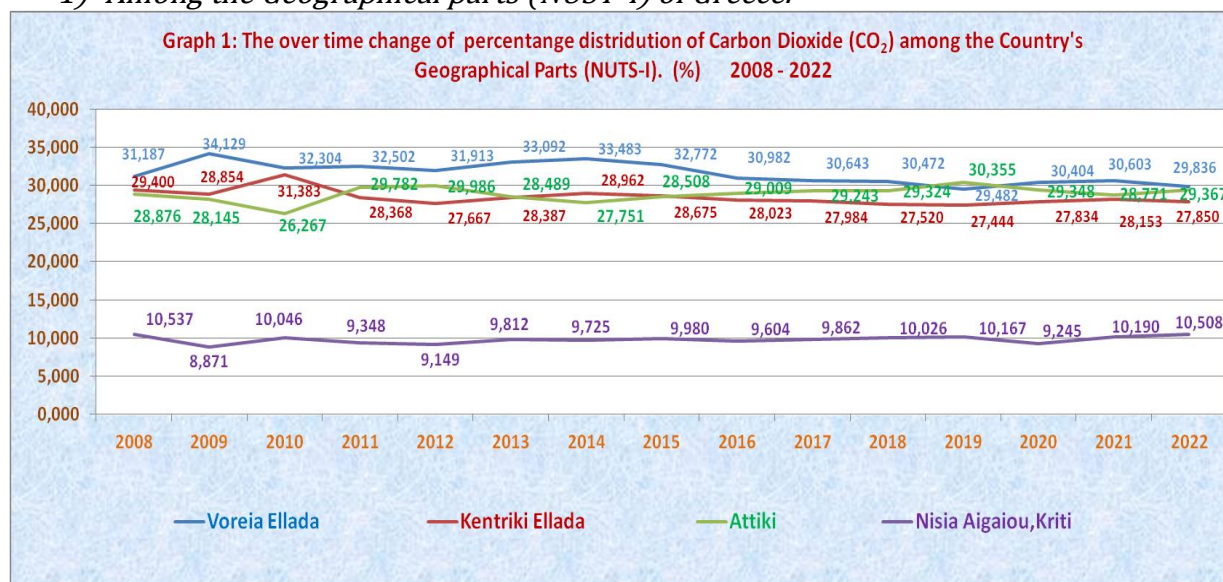
On the basis of the above principles, the **HELLENIC INSTITUTE OF ENVIRONMENTAL ACCOUNTS (HIEA)** publishes the following tables:

- 1) **ELAEACO2RegNUTSIII2022** The data on Carbon Dioxide (CO₂) emissions of the Greek economy for the period 2008 - 2022, at regional level as it is divided into administrative units based on the NUTS¹ system.
- 2) **ELAEACO2Reg%NUTSIII2022** The data on the percentage distribution of Carbon Dioxide (CO₂) emissions of the Greek economy for the period 2008 - 2022, at regional level as it is divided into administrative units based on the NUTS system.

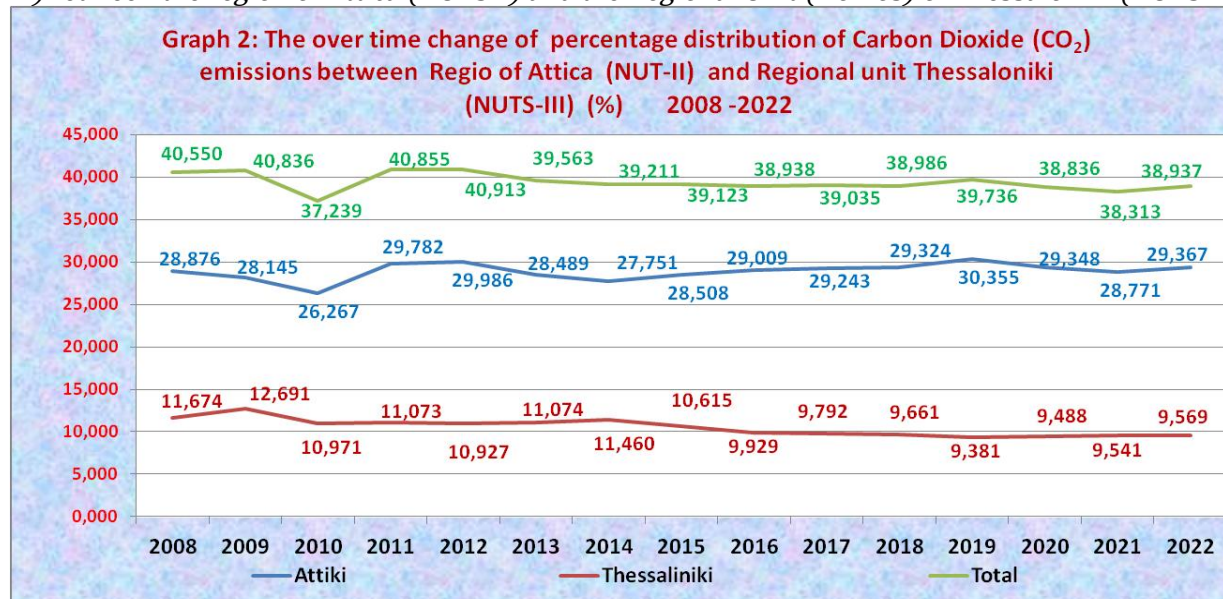
¹ The NUTS system refers to the nomenclature of the territorial units of EU member countries. The term comes from the French Nomenclature d' Unités Territoriales Statistiques (NUTS). EUROSTAT Country Code. Statistics Regions NUTS2021-NUTS2024.

Additionally, three graphs follow which present the percentage (%) change in Carbon Dioxide (CO₂) emissions over time:

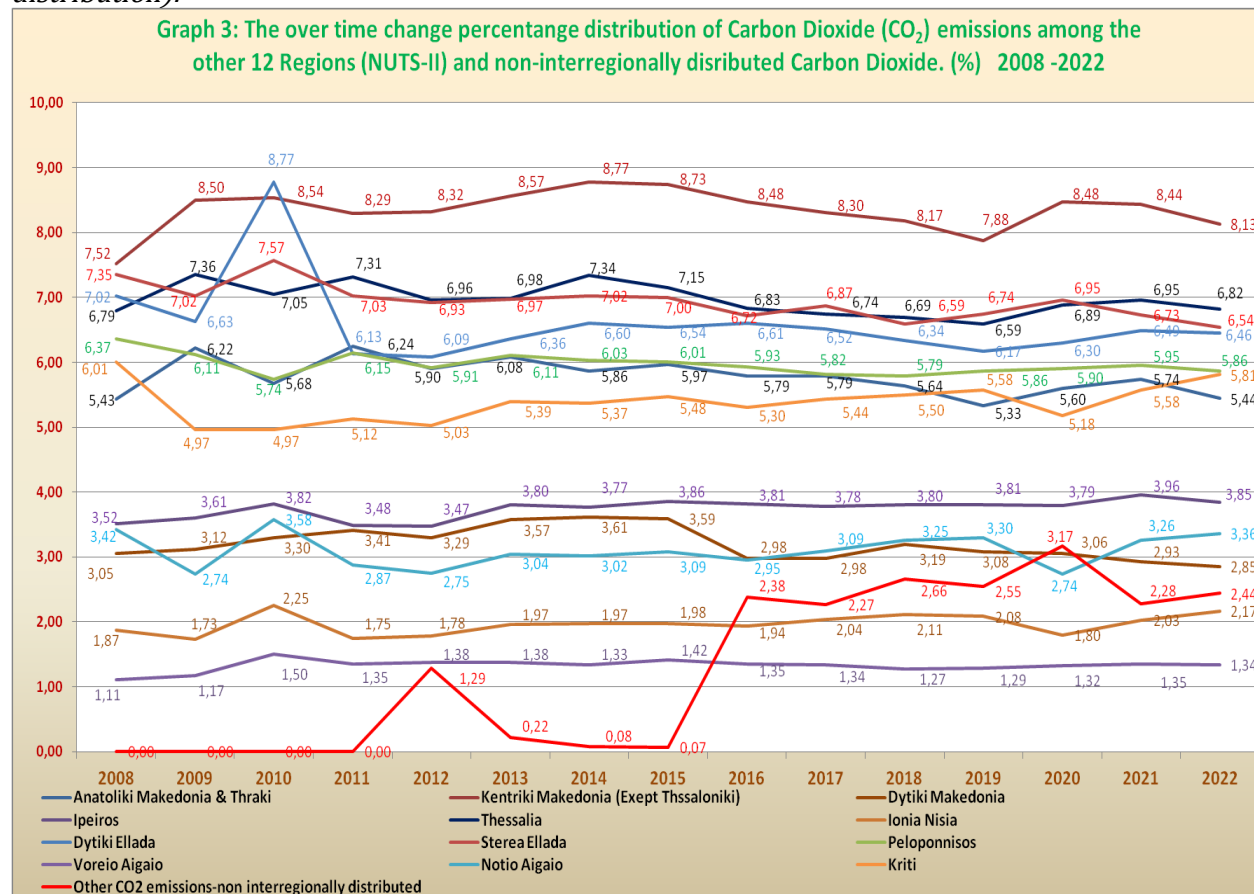
1) Among the Geographical parts (NUTS-I) of Greece.



2) Between the region of Attica (NUTS-I) and the Regional Unit (Nomos) of Thessaloniki (NUTS-III)



3) Among the other regions of Greece. (This graph presents the percentage % change of the 12 Regions as well as the change over time in Carbon Dioxide emissions for which there is no regional distribution).



- EXPLANATORY NOTES

The estimation of Carbon Dioxide (CO₂) emissions at regional level was made based on the corresponding fuel consumption in each Regional Unit (Nomos) NUTS-III, Region (NUTS-II) and Geographical Part (NUTS-I)

The total emissions of Carbon Dioxide (CO₂) include the emissions from biomass combustion.

