

# **A Web-Based Approach for Assessing CO<sub>2</sub> Emissions during the Russo-Ukrainian War**

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## **Abstract**

The paper is devoted to the development of a web service for calculating and reducing CO<sub>2</sub> emissions into the atmosphere during the Russo-Ukrainian War. An analysis and study of the environment of the regions of Ukraine in 2023 was carried out. Emissions from the hostilities in Ukraine are described in detail. An analysis of existing methods and technologies for calculating CO<sub>2</sub> emissions was carried out. A prototype of the web service interface was developed to visualize the main elements and functionality of the system. The software was thoroughly tested with various fuel types to ensure compliance with standards and requirements. The architecture and functionality of the web service are partially described.

## **Author keywords**

calculating; CO<sub>2</sub>; emissions; environment; Russo-Ukrainian war; web-service