

# OWA operators in the calculation of the average green-house gases emissions

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## Abstract

This study proposes, through weighted averages and ordered weighted averaging operators, a new aggregation system for the investigation of average gases emissions. We present the ordered weighted averaging operators gases emissions, the induced ordered weighted averaging operators gases emissions, the weighted ordered weighted averaging operators gases emissions and the induced probabilistic weighted ordered weighted averaging operators gases emissions. These operators represent a new way of analyzing the average gases emissions of different variables like countries or regions. The work presents further generalizations by using generalized and quasi-arithmetic means. The article also presents an illustrative example with respect to the calculations of the average gases emissions in the European region.

## Palabras clave

**Palabras clave de autor:** [Green-house gases emission](#); [aggregation operators](#); [decision making](#); [ordered weighted average](#)

**KeyWords Plus:** [ORDERED WEIGHTED AVERAGE](#); [FUZZY DECISION-MAKING](#); [AGGREGATION OPERATORS](#); [DISTANCE MEASURES](#); [DNDC MODEL](#); [IMPACT](#)

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