

...; This study was conducted to quantify carbon dioxide (CO₂) emission from land use/cover (LULC) change in the municipality of Ouagadougou in Burkina Faso. Historical LULC maps were obtained from ...

There are two main approaches to realize large-scale decarbonization in electricity sector: 1) the rapid deployment of low-carbon technologies and projects, and 2) the integration of extremely high penetrated ...

CO₂ emissions in the transport sector pose a key problem along with particle and NO_x emissions. If long-term climate protection targets are to be met, the transport sector must play its part by reducing its absolute CO₂ ...

The current difficulties in the management of solid waste are the result of poor mastering of concepts, approaches, and techniques. This paper aims to study the Greenhouse gas reduction and cost-benefit ...

The project "Restoring the Green Belt to mitigate climate change in Ouagadougou" aims to rehabilitate 15 hectares of land to enhance carbon sequestration and improve the resilience of women and young people to ...

For this project, Sogea-Satom launched a research partnership with the 2IE University of Ouagadougou, aimed at reducing carbon emissions from cement in concrete. After a successful test phase, ...

Burkina Faso's capital, Ouagadougou, is choking on its own exhaust. The city's transport sector gulps down 89% of the country's fossil fuel consumption, spewing out a staggering 1,034,513.84 tons of ...

Methane (CH₄) and carbon dioxide (CO₂) surface emissions from Polesgo's landfill (Ouagadougou, Burkina Faso) were measured using the static chamber technique in 2017 and 2018.

It assesses greenhouse gases by establishing the specific emission factors using Ouagadougou City as a site of emission data processing. The analysis has included satellite NO₂ emission...

The LULC change and the carbon stock data were integrated to quantify CO₂ emission using the IPCC method. The results showed that, between 1990 and 2022, the municipality of Ouagadougou was ...

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