

Use of Satellite Data to assess climate action in Nigeria: From 2010 till Date

Remote environmental analysis is currently trending around the world especially in Europe, Americas and Asia as it has been used to assess climate action for a sustainable green world. The impact of pollution from an array of technological innovation and activities has impacted negatively on the growth and sustainability of Africa as relevant environmental studies are not done extensively to meet real time needs on the place of interest. Due to lack of training and expertise to study the environmental impact on climate change in Nigeria and other parts of Africa to assist her make informed decision to future prospects and manage resources optimally, which makes the basis of this study.

The study seeks to assess some environmental matrices to analyze its impact on climate change in Nigeria from 2010 till date using satellite data from Copernicus Science Hub platform. Environmental matrices to be studied include: surface temperature, sulphur dioxide, aerosols, chlorophyll content, harmful algae bloom, suspended particulate matter and turbidity. The study will determine correlation, pollution index in connection to environmental standards.

At the end of research, collaboration will be created with environmental stakeholders and interest group to create a workable environmental framework and sustainability in Nigeria.

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