



ALIMAT SUSTAINABILITY CLIMATE GOAL



Topic: Introduction To Climate Change

THIS PLANET NEEDS US—NOW MORE THAN EVER.

LET'S COME TOGETHER TO RESTORE OUR EARTH.

EVERY ACTION COUNTS, WHETHER IT'S TIDYING UP OUR COMMUNITIES OR RAISING AWARENESS.

PRESENTED BY: ALIMAT OLADIPUPO JINADU

@ALIMATSUSTAINABILITYCLIMATEGOAL

DATE 12TH SEPTEMBER 2025

Introduction to Climate Change

- Understand what climate change is.
 - Differentiate between weather and climate.
 - Identify main causes of climate change (human & natural).
 - Begin connecting climate change to local daily experiences.





Definition: Climate change is a significant and lasting change in the statistical distribution of weather patterns over periods ranging from decades to millions of years. It may be a change in average weather conditions or the distribution of events around that average (e.g., more or fewer extreme weather events)



Weather is the state of the atmosphere at a particular place and time. It includes factors such as temperature, humidity, precipitation (rain, snow, sleet, hail), wind, cloud cover, and atmospheric pressure.-

Climate is the average weather conditions in a specific region over a long period, typically 30 years or more. It includes the typical patterns of temperature, precipitation, humidity, wind, and other weather elements, as well as the frequency of extreme events like droughts, floods, and heatwaves.-

CAUSES OF CLIMATES CHANGE

HOW HUMAN ACTIVITIES LEAD TO CLIMATE CHANGE



"In contrast, a significant proportion of households did nothing to deal with the shocks at 28.3 per cent."

The report revealed that only 4.0 per cent of households nationwide received safety-net assistance, a decline compared to GHS-Panel Wave 4 at 10.4 per cent.

The report showed that households in the urban areas had a higher coverage of receiving assistance at 5.2 per cent compared to rural areas which has a coverage of 3.5 per cent

"Also, households in the urban areas had a stronger reliance on cash assistance at 60.5 per cent compared to the rural areas at 49.6 per cent."

The report said at the zonal level, the South-South and North-West zones recorded the highest share of households with safety nets at 6.7 per cent and 5.6 per cent, respectively.

The News Agency of Nigeria (NAN) reports that the GHS-Panel is Nigeria's nationally representative longitudinal household survey which commenced in 2010 and the NBS has implemented five waves of the survey.

The panel nature of the data enables tracking household-level changes in critical areas of welfare, work, and socio-economic outcomes over time, yielding insights for policy. (NAN)



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Let's take Nigeria for example:



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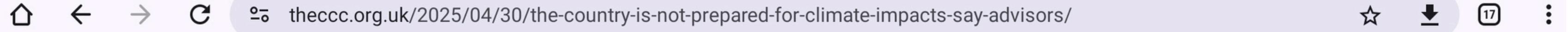
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Why does this matters???

Another example: United Kingdom



Download the Committee's report on progress in adapting to climate change.

The immediate concerns the Committee has are below. We expect these to worsen if no action is taken.

- Over half of England's top quality agricultural land is at risk of flooding today, with a further increase in total agriculture land at risk expected by 2050. Climate change also poses a major threat to UK biodiversity, at a time when it is degrading rapidly.
- 6.3 million properties in England are in areas at risk of flooding from rivers, the sea, and surface water. This is predicted to rise to around 8 million (one in four) by 2050. Steadily rising sea levels at the UK's coasts will increase the risk of coastal flooding and exacerbate coastal erosion.
- Over a third of railway and road kilometres are currently at flood risk, predicted to rise to around half by 2050. Extreme heat also disrupts infrastructure systems via rail buckling and power line sagging.
- Heat-related deaths already occur in the thousands each year but could rise several times over to exceed 10,000 in an average year by 2050. This increase is driven by the effect of climate change on a growing aging population, which is increasingly vulnerable to extreme heat.

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Conclusion

Climate is our long-term pattern, while weather is the day-to-day experience. Although natural factors play a role, today's rapid changes are overwhelmingly driven by human activities like fossil fuel burning, deforestation, and overconsumption. The impacts—rising costs of fuel and food, floods, droughts, and health shocks—are already disrupting households and livelihoods. 

To secure our future, we must act now: reduce fossil fuel dependence, embrace sustainable living, and build community resilience. Every action matters. 

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