Ethiopia enso energy

Does El Nio Southern Oscillation affect cereal crops?
El Niño Southern Oscillation could likely distort the hydro climatological processes and adversely affect agricultural production at various magnitudes. This study explored the manifestations of ENSO-induced rainfall variability and its impact on selected cereal crops in Kembata Alaba Tembaro Zones of southern Ethiopia.

What is El Nio Southern Oscillation?
The El Niño Southern Oscillation event leads to large-scale changes in sea-level pressures, Sea Surface Temperature (SST), precipitation, and winds in the tropics. The consequences appear in many parts of the world and are characterized by a varying shift between El Niño, La Niña, and Neutral phases.

What is the impact of ENSO on crop productivity?
Selvaraju (2003) showed that in the cold phase of ENSO,crop yield increased from its normal,and both wheat and Sorghum were the major crops that were seriously impacted by ENSO extremes and vulnerable to the adverse impact on the productivity of the crops.

Does Ethiopia have a low electricity consumption rate?
For instance,Ethiopia has minimal electricity services,with only 45% of the population having electricity access,which places the country at one of the lowest per capita consumption rates of electricity in Africa.

Is northeast Ethiopian rainfall negatively correlated with the Pacific Ocean?
The analyses identified that northeast Ethiopian rainfall is strongly and negatively correlatedwith the eastern and central equatorial Pacific Ocean. During the El Nino episode,the rainfall is below normal and for the La Nina event,the rainfall is above normal over the study area.

Is there deficiency of rainfall during El Nio?
This result is confirmed by Diriba and Barnston (2007),who indicated that overall deficient (abundant) rainfall tends to occurduring Ethiopia's El Niño (La Niña) summers and during JJAS,suppressed rainfall has been observed to accompany El Niño over much of the region,often with economic disaster.

It can make extreme weather events more likely in certain regions in Ethiopia. ENSO episodes and events, and related weather events have an impact on seasonal rainfall distribution and rainfall variability over Ethiopia. ... soil fertility, public health, energy supply and marketing. In Ethiopia, the 2014/15 was the hottest years on record [30 ...

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However, the eects of dierent stages of ENSO on rainfall variability over northeast Ethiopia have not yet been thoroughly explored by these previous studies. There-fore, the aim of this paper was to investigate the eects of dierent ENSO stages on the variability of spatial and temporal rainfall over northeast Ethiopia. This study will

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Ethiopia and UN called for emergency assistance for 10.2 million people, in addition to 7.9 million people under the national Productive Safety Net Programme (PSNP). At that point, the Government of Ethiopia had committed US$270 million to emergency support, and the 2016 HRD estimated needs at US$1.4 billion. By mid-March donors had pledged

Abstract Global climate models (GCMs) are critical tools for understanding and projecting climate variability and change, yet the performance of these models is notoriously weak over much of tropical Africa. To improve this situation, process-based studies of African climate dynamics and their representation in GCMs are required. Here, we focus on summer rainfall of ...

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Ethiopia: Energy intensity: how much energy does it use per unit of GDP? Click to open interactive version. Energy is a large contributor to CO 2 - the burning of fossil fuels accounts for around three-quarters of global greenhouse gas emissions. So, reducing energy consumption can inevitably help to reduce emissions.

ENSO episodes and events, and related weather events have an impact on seasonal rainfall distribution and rainfall variability over Ethiopia. Thus, the main aim of this review was to identify and organize the major impacts of El-Niño-Southern Oscillation (ENSO) on agriculture and adaptation strategies of rural communities in Ethiopia.

Climate Trends, variability, and impacts of ENSO on rainfall amount in Ethiopia: A Case study in Western Amhara National Regional State September 2022 DOI: 10.21203/rs.3.rs-2078316/v1

This study indicates that in ENSO episodic years:- (a) the onset of summer monsoon rainfall activity was late by one to two dekades over the Central, Northern, Northeastern Ethiopia while the ...

The principal cause of drought in Ethiopia is asserted to be the fluctuation of the global atmospheric

circulation, which is triggered by Sea Surface Temperature Anomaly ...

oEl Nino Southern Oscillation (ENSO) and Climate Teleconnection, ENSO Tracking oGlobal Impact of La Nina and El Nino -South Florida and Ethiopia oEl Nino and Historical Famine in ...

El Niño-Southern Oscillation (ENSO) and Indian Ocean Dipole (IOD) climate drivers can result in significant seasonal rainfall anomalies around the world. In Ethiopia, these anomalies are most pronounced when negative and positive ENSO and IOD phases align. Since 2000, this occurred in 2002-2003, 2010-2011, 2015-2016 and 2020-2022.

Enso develops and operates biomass-based power and thermal plants and is active in Portugal through its subsidiary Magestop. Igneo owns wind and solar farm operator Finerge SA, which calls itself Portugal"s second-largest renewable energy producer.. Igneo via an affiliate notified Portuguese competition authority AdC of its intent to acquire Enso.

With a share of 92.4% of Ethiopia"s energy supply, waste and biomass are the country"s primary energy sources, followed by oil (5.7%) and hydropower (1.6%). At the same time the economy is one of the fastest growing in the world, with ...

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