

East Asia Fire Prevention Bhutan





Overview

Bhutan's current fire season is seeing a significant shift, with reports indicating fewer incidents and quicker containment compared to previous years. Timber losses from forest fires from November 2024 to March 2025 alone were valued at US\$27 million. On Friday, January 2, 2026, residents of Thimphu witnessed a hillside near Sangaygang go up in flames. Many communities in the Himalayan kingdom of Bhutan, also known as the land of the thunder dragon due to the dramatic storms that seasonally light up the country's skies, are increasingly facing the very real threat of forest fires. As frightening and destructive as these fires have been, for over 10,000 years, everywhere from the Central Appalachians and California forests in North America to Thimphu, Bhutan - The Bhutan Forest Fire Exposure Index, a pioneering platform for assessing and managing forest fire risks across Bhutan, launches today. Developed in partnership with the Bhutan Department of Local Governance & Disaster Management, the Department of Forests and Park Services, and.



East Asia Fire Prevention Bhutan



Human negligence fuels rising forest fires in Bhutan,

According to the Department of Forests and Park Services, 99 per cent of forest fires are caused by human negligence. Despite countless fire

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Bhutan's forests are burning. Can AI turn the tide?

Bhutan could also intensify its efforts to raise public awareness about fire prevention. This is particularly key as human activities remain the leading causes of forest blazes.

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Fighting fire in the land of the dragon

Many communities in the Himalayan kingdom of Bhutan, also known as the land of the thunder dragon due to the dramatic storms that seasonally light up the country's skies, are increasingly facing the

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Bhutanese alumnus empowering local communities to

With the grant funding, Rinchen is working towards empowering local communities to prevent and manage forest fires in Lhuentse District, a high-risk



FIRE AND RESCUE SERVICES DIVISION

The firefighting engines, fire safety systems, and equipment for search and rescue services shall be acquired by the respective Dzongkhags, Dungkhags, and Thromdes, and subsequently handed over

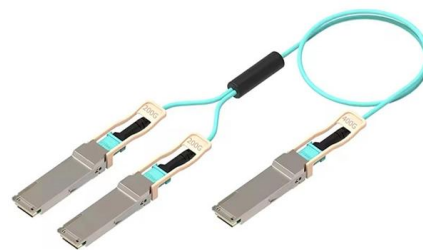
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Enhancing Long-Term Preparedness for Forest Fires in Bhutan with

Bhutan faces increasing forest fire threats due to climate change. Geoneon developed an open-source geospatial tool integrating Forest Fire Severity and Exposure Indices for long-term preparedness.

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Firefighting Challenges in Bhutan , PDF

Firefighting in Bhutan is essential for protecting lives, cultural heritage, and natural landscapes, particularly due to the country's vulnerability to fires from its wooden architecture and dense forests.

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FOREST FIRE SUSCEPTIBILITY MAPPING OF



BHUTAN USING

The study's main goal is to generate a forest fire susceptibility map for Bhutan using logistic regression (LR) and frequency ratio (FR) models. The mapping of forest fire susceptibility is a

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Bhutan explores controlled burning of mountainsides

Wildfires have raged across the mountains of the Hindu Kush Himalaya this year. The Indian state of Uttarakhand lost over 1,500 hectares of forest while Nepal saw hundreds of forest fires in March and

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Jambay Dorji

Thereby, intervening in the mitigation of fire and fire-related disasters with the right method, at the right time, and right place. This can be achieved by developing

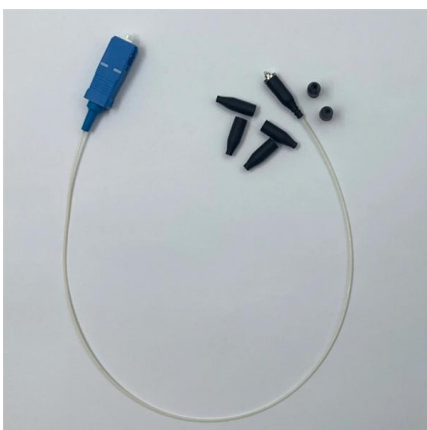
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Enhancing Long-Term Preparedness for Forest Fires in Bhutan with

Collaborating with Bhutanese partners and funded by the World Bank, the project aims for sustainable, independent fire management by the Bhutanese government. Bhutan, a nation deeply committed to

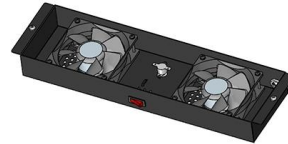
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Extent of forest fire problems - its sustainable development strategies

Extent of forest fire problems - its sustainable development strategies in Bhutan Sumjay Tshering Department of History, Sherubtse College, Kanglung, Bhutan Abstract: Bhutan has the total land



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Human carelessness is the leading cause of forest fires

The Department, which has primary responsibility for forest fire management, said it cannot reduce forest fires alone. The Department requests

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Country Report on

5 Forest Fire is another major threat causing land slides within the country. Bhutan's forests that is 40% of the total forest cover area are Blue pine, Chirpine, mixed conifer, broad-leaf with conifer are most



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Forest fires burning up Bhutan's wilderness

Forest fires have damaged Bhutan's rich biodiversity, wiping out specific species of rare orchids according to an article in the journal Ecology,

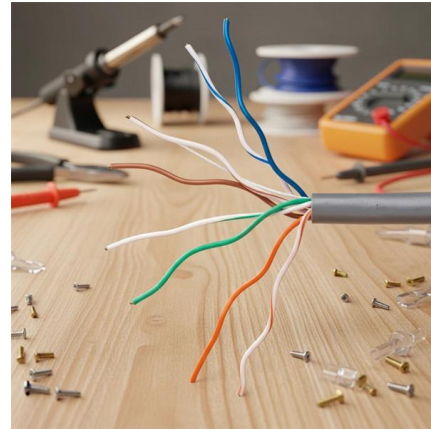
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Forest fire advocacy in Tsirang

Bhutan loses acres of forest and countless wildlife to devastating forest fires each year. To address this, the Tsirang Forest Division organised a

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Forest Fire Risk Assessment in Degraded Watersheds

PDF , On Aug 7, 2024, Kinzang Namgay published Forest Fire Risk Assessment in Degraded Watersheds of Bhutan , Find, read and cite all the research you need

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Bhutan's Fire Season Sees Fewer Blazes and Quicker Containment

Discover how Bhutan's fire season is seeing fewer blazes and faster containment efforts in 2024. Learn about the effective strategies reducing wildfire impact and protecting Bhutan's natural landscape.

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RFMRC-SEA - Regional Fire Management Resource

The first meeting of the Eurasia Team of Specialists on Landscape Fire Management and the Regional Fire Management Resource Centers /

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Bhutan's forest fires cost over US\$5.89 million in timber

The department is currently developing a comprehensive Nationwide Forest Fire Prevention and Response Strategy, informed by past incidents and

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Microsoft Word

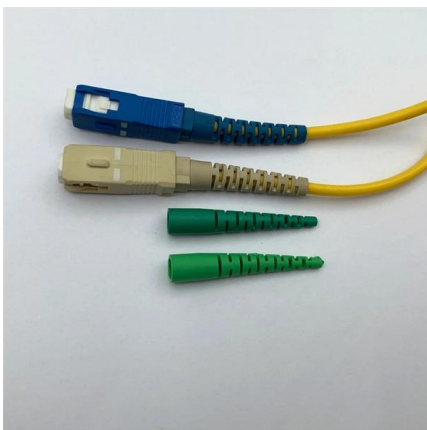
Other hazards such as landslides, flash flood, windstorms and fires also sweep across the country causing significant losses to the properties and lives of people. These seasonal hazards also affect

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VII. The Great Fire of Bumthang, Bhutan in 2010

The main objective of this 2010 Bhutan Bumthang fire disaster case study is to highlight the key lessons learnt in disaster medical and public health response in the region. The goal is to develop Asia

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Bhutan's Wildfire Challenges and Management , PDF , Wildfire , Fires

1) Bhutan occupies 38,394 square kilometers in the eastern Himalayan region. Forests cover 72.5% of Bhutan's land, and maintaining 60% forest cover is a national goal, but wildfires threaten this

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Forest fires burning up Bhutan's wilderness

But while Bhutan can do little about global climate patterns beyond making sure to fulfil its climate pledges, it can try to cut down human causes of

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Bhutan's forests are burning. Can AI turn the tide?

An AI-powered forest fire management could offer a game-changing way forward that can revolutionise how Bhutan prevents, detects, responds to and recovers from forest fires.

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FOREST FIRE SUSCEPTIBILITY MAPPING OF BHUTAN USING

As a result, forest fire susceptibility research is an important part of Bhutan's forest fire management plan. The study's main goal is to generate a forest fire susceptibility map for Bhutan using logistic

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Can AI turn the tide? How technology is fighting forest fires in Bhutan

Artificial intelligence offers a potential turning point in how Bhutan manages forest fires. AI-driven systems can support early detection, risk forecasting, real-time monitoring, smarter deployment of

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Launch of the Bhutan Forest Fire Exposure Index: An

Launch of the Bhutan Forest Fire Exposure Index, a cutting-edge tool for managing forest fire risks, enhancing resilience, and protecting Bhutan's communities and

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Growing forest fires impacting ecology and potential

Reports from the Department of Forest and Park Services show that there is an increasing incidence of forest fires in the country, with 2023 marking

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