

High Density of Hot Channels in the Ten ASEAN Countries



Article Overview

Hotspot activity in ASEAN is concentrated in regions with dry conditions, with Indonesia, Malaysia, and parts of the Mekong sub-region showing the highest density of detected hotspots.

Overview of Hotspot Monitoring

Hot channels, or hotspots, represent areas with potential active fires detected via NOAA satellite surveillance. These hotspots are critical indicators for fire activity and transboundary haze risk in the ASEAN region . Detection can be affected by cloud cover or satellite pass limitations, and reprocessed satellite data provides higher-quality assessments .

Recent Hotspot Density in ASEAN

According to ASMC reports, hotspot counts fluctuate seasonally and are influenced by weather conditions such as rainfall and prevailing winds . For example:

- In early May 2026, the Mekong sub-region recorded 119 hotspots on 5 May and 116 hotspots on 6 May, indicating moderate fire activity .
 - In mid-May 2026, 39 and 62 hotspots were detected on 12 and 13 May, respectively, showing variability due to wet weather suppressing fire activity .
- Regions with dry seasons and low rainfall, particularly in Indonesia (Sumatra and Kalimantan) and parts of Malaysia, typically exhibit the highest density of hotspots,...

Article Content

Jan 17, 2026

Synthesis Report on Ten ASEAN Countries Disaster Risks Assessment

Because of this high vulnerability and the relatively small size of most of the ASEAN countries, it will be more efficient and

Apr 18, 2026

Map of Asian Countries by Highest Population Density

Get the Map of Asia top ten countries by highest population density. The map showing the correct population density of Asian

Feb 08, 2026

Statistical Perspectives: Energy and Development in the ASEAN

However, positive shifting consumption patterns resulting from the introduction of electricity or clean cooking methods may be

Feb 10, 2026

Mapped: Asia's Population Patterns By Density

We visualize Asia's population patterns to see where 4.6 billion people, or two-thirds of the world's population,

Dec 15, 2025

Advancing Net Zero in High-rise, High-density Asian Cities: Possibility ...

However, none of these countries are in the hot-humid climatic zone and have an issue with high density. In many Asian cities,

Oct 25, 2025

ASEAN Energy in 2024

The analysis was based on data and information collected from various reliable sources: the official reports from the governments of

Jun 24, 2026

The State of Southeast Asia

The State of Southeast Asia survey, now in its seventh year, continues to gauge the views and perceptions of Southeast Asian

Aug 07, 2025

(PDF) Review on Greenhouse Gases Emission in the Association of ...

Review Review on Greenhouse Gases Emission in the Association of Southeast Asian Nations (ASEAN) Countries

Apr 22, 2026

Accelerating ASEAN's energy transition in the power sector through ...

Summary Faced with energy transition objectives, the ten countries of the Association of Southeast Asian Nations

Oct 23, 2025

Google Translate

Google's service, offered free of charge, instantly translates words, phrases, and web pages between English and over 100 other

Aug 17, 2025

Southeast Asia Energy Outlook 2024 - Analysis

The Southeast Asia Energy Outlook 2024 is the sixth edition of this World Energy Outlook Special Report,

Dec 30, 2025

Changing Disaster Risk Landscape due to Climate Change in ASEAN

a regional catastrophe risk insurance pool that facilitates ASEAN member countries to secure financial resources through affordable

Nov 25, 2025

Outlook on ASEAN Energy 2023

The high dependencies of most Asian countries on Russia are on oil and natural gas, which exceeds more than 5% of their total

Feb 09, 2026

Southeast Asia Energy Outlook 2024

Each of the ten countries in Southeast Asia is distinctive in terms of development, industrial output, politics, geography and energy

Jun 27, 2026

The 7th ASEAN Energy Outlook

In 2020, ASEAN achieved an energy intensity reduction of 23.8% amidst the pandemic. Continuing the progress with

Jan 14, 2026

List of countries and dependencies by population density

Population density (people per km²) by country The following is a list of countries and dependencies ranked by population density,

Feb 17, 2026

Countries By Population Density

Countries By Population Density Six of the ten most densely populated countries have a population density of higher

Jul 27, 2026

Widespread heat stress will become the norm in a warming ...

In high-risk countries (Myanmar, Cambodia, Thailand), the summer months will bring 10–12 h/day where only "Light"

Apr 13, 2026

Southeast Asia Energy Outlook 2026

ASEAN countries differ widely in their stages of development, industrial structures, political systems, geography and energy needs,

Mar 14, 2026

Extending broadband connectivity in Southeast Asia

This report assesses the current state of connectivity in Southeast Asia and provides tailored recommendations for extending

Aug 25, 2025

Energy Security in ASEAN+6

Energy demand in the ASEAN+6 countries is set to take diverse paths. In India, for example, low per capita energy use and a high

Jun 10, 2026

ASEAN Power Grid: Accelerating the region's energy transition

Countries with limited renewable resources can buy clean electricity, while those with an abundance can earn from

Nov 24, 2025

ASEAN Power Grid Integration Seeks Energy Security ...

Malaysia and Thailand lie at the epicenter of a potentially large regional power network, fueled by domestic supply,

Apr 10, 2026

8th ASEAN Energy Outlook

Drawing on historical data from 2005 to 2022, the report provides forward-looking insights into the evolution of the

May 12, 2026

Energy Security in ASEAN +6

The ASEAN+6 group comprises the ten countries of the Association of Southeast Asian Nations (ASEAN) and six other countries in

Jan 21, 2026

Review on Greenhouse Gases Emission in the Association of ...

A high value of energy intensity in units of MWh/GDP indicates that the electricity production in a country such as Laos

Dec 11, 2025

ASEAN's clean power pathways: 2024 insights | Ember

ASEAN countries have ambitious economic growth targets, whilst transitioning away from coal and seeking suitable

Nov 07, 2025

Executive summary – Southeast Asia Energy Outlook

Each of the ten countries in Southeast Asia is distinctive in terms of development, industrial output, politics,

May 19, 2026

ASEAN Statistical Highlights 2025 | ASEANstats Official Web Portal

This fourth edition continues to showcase essential ASEAN statistics, offering an updated overview of the region's latest trends and

Dec 09, 2025

Energy connectivity in ASEAN

Hence, the share of fossil fuels in energy consumption has further increased over the last decade in ASEAN as a whole.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://greatpremiersolutions.co.za>

Email: sales@greatpremiersolutions.co.za

Phone: +27 82 914 3675

Address: Unit 5, Silicon Heights, 22 Electron Avenue, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

