

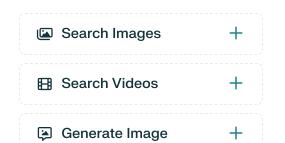
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Please provide sources on how to obtain data for Vegetation Type and Density, Previous Burn History, Human Activity Levels, Topography, Weather Conditions, Land Management Practices, Infrastructure and Accessibility, Socio-Economic Factors, and Climate Change Indicators













Vegetation - ORNL Climate and DAAC socioeconor

socioeconomic drivers of biomas...

Global Index of Vegetation-Plot Databases (GIVD)



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Answer

To obtain data for various factors related to vegetation and fire risk, you can use the following sources:

Vegetation Type and Density:

- The ORNL DAAC provides datasets on vegetation characteristics, biomass, and land cover 1.
- Landsat Normalized Difference Vegetation Index (NDVI) can be used to quantify vegetation greenness and density ?

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Previous Burn History:

 The Global Fire Emissions Database (GFED/ and daily fire burned above-ground biomas 2020 ².



Ask follow-up



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Human Activity Levels and Socio-Economic Factors:



Road density data at a resolution of 5 arc-min can be obtained 2.

Topography:

 Altitude data is available from the SRTM (Shuttle Radar Topography Mission—V.2.1, NASA) with a spatial resolution of 90-m².

Weather Conditions and Climate Change Indicators:

 California's Fourth Climate Change Assessment provides comprehensive climate change scenarios and datasets suitable for regional vulnerability assessments 4.

Land Management Practices:

 Data on the proportion of croplands, irrigated agriculture, and pastures within 5 arc-min grid-cells is available ².

Infrastructure and Accessibility:

 Road density data can be used as a proxy for infrastructure and accessibility ².

Additional resources:

- The Global Index of Vegetation-Plot Databases (GIVD) provides metadata about major vegetation-plot databases worldwide
- The National Vegetation Classification Standard (NVCS) offers a standardized approach to classifying vegetation transport

These datasets can be combined and analyzed principal component analysis (PCA) to understar between different factors affecting vegetation and fire risk ².













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Where can I find detailed datasets on vegetation density and type $\;+\;$

What are the best sources for historical burn data

How can I access data on human activity levels in different regions $\,+\,$

Which databases provide topographical data for research +

What sources offer weather condition data for various locations +

