

Land Coverage, Perú



In June of 2022, a fire broke out near Machu Picchu in Perú. The fire was started by farmers who were burning grass and debris in preparation for crop season. The fire affected around 50 acres of land, but it did not cause harm to the Incan ruins, as the fire was taken care of efficiently. With over half of the country covered by forests and savannas, the region is definitely at risk of wildfires.

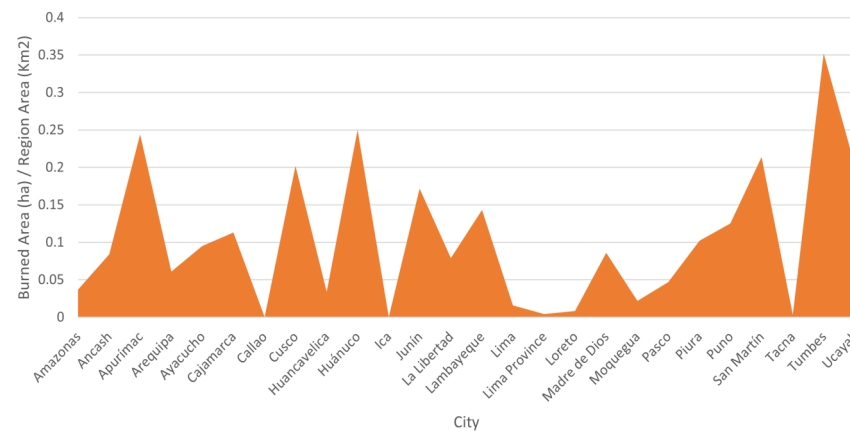
The Facts

- ✓ **SENAMHI, Servicio Nacional de Meteorología e Hidrología del Perú**, is the lead agency in Perú for fire forecasting, prevention, and mitigation.
- ✓ In the year 2023, over **12,500 wildfire outbreaks** were detected.
- ✓ **13% of the Amazon Rainforest** is in Perú, representing a large portion of forest coverage.
- ✓ From 2001 to 2023, over **303 kha of tree cover** in Perú was lost due to fires.
- ✓ The fire season generally begins in **June** and peaks in **September**.

PERÚ

Arden Culver | GEOG 199 | Dr. Lucash

Burned Area in Peru [2002-2023]



In the last 20 years, Perú has been increasingly affected by wildland fires. Issues like the remoteness of fires can cause slower response times. SENAMHI aims to be as accessible and timely as possible in its sharing of critical weather information. Their goal is to benefit the safety of Peruvian society as a whole. Awareness of these possibilities grow more and more important as climate change continues.

Figures created in Excel
Wildfire Map created in ArcGIS
Information Sources:

"Perú: Annual Number of Wildfires 2023." *Statista*, www.statista.com/statistics/1043866/number-wildfires-peru/#:~:text=More%20than%2012%2C500%20wildfire%20outbreaks%20were%20detected%20in.

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"Study Tour with Forest Service Strengthens Perú's Fire Forecasting System." *US Forest Service*, 2023, www.fs.usda.gov/inside-fs/delivering-mission/apply/study-tour-forest-service-strengthens-perus-fire-forecasting.

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