

Sentinel-3 World Fire Atlas

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Why in news?

That is ESA's new innovation

What is it about?

The Sentinel-3 World Fires Atlas Prototype product has been developed by the European Space Agency.

It uses a method that enables it to identify all active fires at night.

The sensors on satellites measure thermal infrared radiation to take the temperature of Earth's land surfaces. This information is used to detect and monitor the heat emitted by the fires.

The Atlas uses the satellite data to plot the number of fires occurring monthly.

It will help in Quantifying and monitoring fires which helps in the study of climate.

Forest fires have a significant impact on global ozone pollution, with the burning of wood adding to the global greenhouse gas budgets, including carbon dioxide.