

Are peatlands being exploited in Congo?

Moves to exploit the resources buried beneath the peatlands are already under way across the river in the Democratic Republic of the Congo. Its Hydrocarbons Minister, Didier Budimbu, recently announced an auction of land that is to be developed for oil production. Scientists say some of the earmarked sites overlap the peatlands.

Is the Congo Basin a concentric region?

The Congo Basin, which has a concentric structure with a large central depression (the 'Cuvette Centrale') surrounded by topographic highs, is one of the most convective regions on Earth 85.

Are central Congo peatlands near a drought threshold?

This reversible accumulation-loss-accumulation pattern is consistent with other peat cores across the region, indicating that the carbon stocks of the central Congo peatlands may lie close to a climatically driven drought threshold.

Is peat a vulnerability to carbon stocks in the Congo Basin?

The forested swamps of the central Congo Basin store approximately 30 billion metric tonnes of carbon in peat 1,2. Little is known about the vulnerability of these carbon stocks. Here we investigate this vulnerability using peat cores from a large interfluvial basin in the Republic of the Congo and palaeoenvironmental methods.

Are there human settlements in the central Congo?

Although Iron Age human settlements are reported in the central Congo from approximately 2,500 cal. yr bp onward 15,16, we see no evidence of humans affecting this very remote swamp forest.

The NASA mission will measure the amount of heat the planet emits into space from these polar regions -- information that's key to understanding the balance of energy coming into and out of Earth and how that affects the planet's climate.

????????(?: Wide-field Infrared Survey Explorer, WISE)?NASA???? ???? ,2009?12?14??? [1] [2] [3] ? WISE????40????????, ...

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The visualization starts by showing data on mid-infrared emissions (wavelengths between 4 to 15 micrometers) taken in early July during several polar orbits by the first CubeSat to launch. It then zooms in on two passes over Greenland. The orbital tracks expand vertically to show how far-infrared emissions vary through the atmosphere.

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Among the world's most vulnerable spots are African glaciers. The continent still has around 30 glaciers in four countries: Uganda, the Democratic Republic of Congo, Kenya and Tanzania.

This redistribution occurs when ice sheets and glaciers melt more than they grow from snowfall and when aquifers lose more groundwater than precipitation replenishes. These resulting shifts in mass cause the planet to wobble as it spins and its axis to shift location -- a phenomenon called polar motion.

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Deep in the Jungle, Scientists Explore the Links Between the Congo and Climate Change. November 3, 2017 -- The town of Yangambi, about 60 miles west of the Democratic Republic of Congo's much larger city, Kisangani, sits on a broad plain by the Congo River. When explorer Henry Morton...

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Journey into the wilds of the Congo rain forest with scientists trying to locate a shockingly large peatland so that they can help to preserve it.

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