



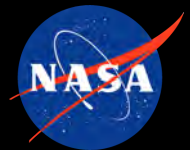
GLOBE Trees - Trees In The News



Plant trees or let forests regrow? New studies probe two ways to fight climate change

<https://www.sciencemag.org/news/2020/09/plant-trees-or-let-forests-regrow-new-studies-probe-two-ways-fight-climate-change>

- **Because trees can take carbon from the atmosphere and store it in wood and soil, governments, businesses are embracing efforts to fight climate change using trees.**
- **Nations have pledged to plant or restore forests over a combined area larger than India. One initiative has plans to conserve or restore 855 million trees by 2030.**
- **Scientists agree that new trees and forests can, in theory, cool the planet but have warned that the enthusiasm and money flowing to forest-based solutions threaten to outpace the science measuring the results.**
- **Two papers published this week seek to put such efforts on a firmer footing. One study quantifies how much carbon might be absorbed globally by allowing forests cleared for farming or other purposes to regrow.**
- **The other study calculates how much carbon could be sequestered by forests in the United States if they were fully “stocked” with newly planted trees. Each strategy has promise, the studies suggest, but also faces perils.**
- **UMBC’s Matt Fagan adds, “Natural regrowth is not going to save the planet.” Young forests are easier to cut down or burn than old ones.**
- **Planting trees might make sense in some places, Susan Cook-Patton of the Nature Conservancy says. But she cautions that adding trees in fire-prone areas could increase fire risk, especially as climate continues to warm.**



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Norway funds satellite map of world's tropical forests

<https://www.bbc.com/news/science-environment-54651453>

- A unique satellite dataset on the world's tropical forests is now available for all to see and use and will be updated monthly. Norway awarded a \$44m (£33m) contract to Earth-observation specialists Airbus, Planet, and Kongsberg Satellite Services (KSAT) for access to their imagery and expertise.



- Anyone who wants to understand how trees are being managed will be able to download the necessary information for analysis - for free.
- The Norwegian government is funding the project through its International Climate and Forests Initiative (NICFI).

PLANET LABS INC

The monthly base map supports 64 countries and resolves down to the individual tree canopy

Access these Planet data here: <https://www.planet.com/nicfi/>

Here: <https://www.globalforestwatch.org>, or here:

https://collect.earth/downloads/CEO_Planet_new_imagery_user_doc.pdf



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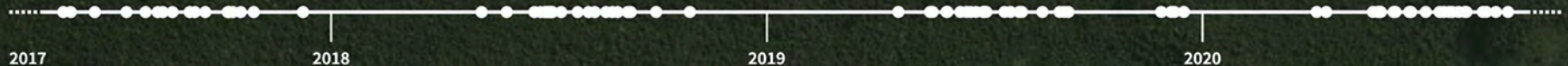


Showing the 'visual power' of these Planet images over Amazonas, NW Brazil

<https://www.bbc.com/news/science-environment-54651453>

AMAZON DEFORESTATION

May 2017—Sep 2020



A section of the Amazon forest is systematically removed over a three-year period
Goddard Area above is 7.6 x 4.3 km and is just north of the border w Bolivia
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Also of interest, see: NOVA Can We Cool the Planet? Season 47 Episode 16 | 53m 31s - <https://www.pbs.org/video/can-we-cool-the-planet-m29pbj/>

- As global temperatures rise, scientists are exploring solutions from planting trees to sucking carbon out of the air to geoengineering. But would they work? And what are the risks of engineering Earth's climate?
- Includes Our GSFC colleague Dr. Lola Fatoyinbo and her research on ground- and space-based lidar rendering of forest canopies.



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NOVA

Can We Cool the Planet? Promo

Preview: Season 47 Episode 16 | 28s |

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As global temperatures rise, scientists are exploring solutions from planting trees to sucking carbon out of the air to geoengineering. But would they work? And what are the risks of engineering Earth's climate?

Aired: 10/28/20 | Rating: NR

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