GEDI Mission Releases New Landmark Data Product

- GEDI is a high-resolution lidar instrument designed specifically to measure vegetation from its vantage point aboard the International Space Station.
- The “L4B Gridded Aboveground Biomass Density” product provides the first near-global estimate of aboveground forest biomass and the carbon it stores – filling a key gap in climate research.
- The GEDI estimates compared favorably to forest inventories from the Food and Agriculture Organization of the United Nations and U.S. Forest Service Forest Inventory and Analysis.
- L4B is not the first global biomass product, but it is the first to include well-described uncertainty for its estimates using advanced statistical models.
- Ecosystem and climate researchers can quickly locate their regions of interest and study forest structure and carbon content with greater precision.
- In its first three years in orbit, GEDI has captured billions of measurements between 51.6 degrees north and south latitudes.

nasa.gov/feature/goddard/2022/nasa-releases-breakthrough-forest-biomass-carbon-product