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GLOBAL REMAPS: AN INVALUABLE TOOL IN ADDRESSING CLIMATE CHANGE

Abstract

Satellogic's ultimate goal and mission is to remap the entire planet first every week and then moving to a daily remap as our constellation of satellites grows from 26 to 200. This is an ambitious goal that will enable advances and actionable insights to address climate change and its impacts.

With our current 26 satellite fleet, we have been able to closely monitor catastrophic climate events including Hurricane Ian, the Volcano Eruption at La Palma, and flooding across Australia and Albania to name a few. Having access to timely, high resolution Earth Observation data is vital in identifying and predicting the impacts of climate change. As we move towards weekly and daily remaps, this will increase to 28 and 40 times per day respectively which provides an invaluable dataset in mitigating damages caused by natural disasters. Satellogic works closely with International Charter: Space and Major Disasters to provide data that works to mitigate loss of life and ecology as we all learn how to overcome future climate catastrophes.

An important aspect of addressing climate change is Monitoring Energy Assets to ensure the alternative sources of energy are being maximized to their fullest potential. Earth Observation data can not only help oversee areas equipped with solar panels — it can also help estimate the panel's energy-per-area capacity with industrial precision, and help the renewable energy sector make decisions based on up-to-date data. Energy Asset Monitoring is a vital tool in finding alternatives that can meet local and global needs and as our remapping capabilities progress, we will be able to provide more up to date and timely data.

While it is important to monitor energy output, we must also confirm no further exploitation is being done to green areas of our planet. Satellogic will collect high-resolution satellite imagery over all the Earth's forests until 2025. Derived biomass loss information will be shared publicly, and available to the global citizenry in agreement with CC35 Capital Cities Secretariat and strategic institutional partners. Arming organizations and climate activists with data is vital to ensuring no further destruction is being perpetrated and access to this data will only increase as we enhance remapping capabilities.

In summation, Global Remaps will allow Satellogic, and the industry at large, the ability to monitor climate catastrophes in greater depth, provide insights into green energy output while keeping a honed focus on bio loss.