PLANET MONITORING AND ARCHIVE

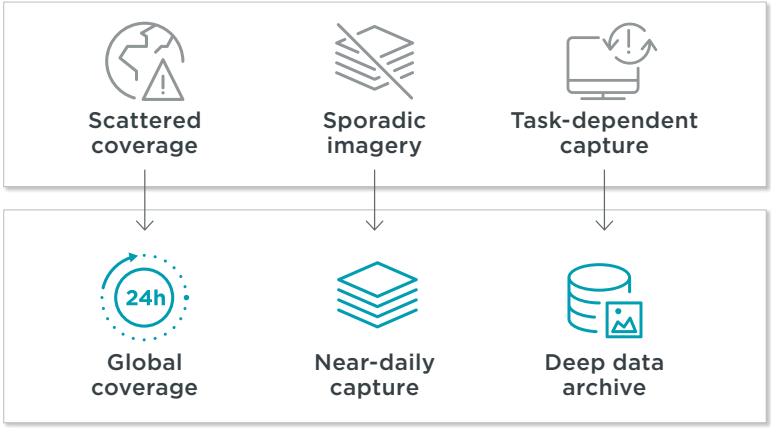
A living dataset of global change

To stay competitive in today's rapidly evolving globalized economy, organizations need a persistent view of their operations and assets – everywhere on Earth. But traditional imagery data sources can be infrequent or inconsistent, creating information gaps and risk in the decision-making process.

Planet Monitoring leverages the largest commercial Earth observation constellation to provide customers with a living dataset of global change, with new imagery added on a daily basis. Consisting of 300+ billion sq km of imagery, the Planet Archive has proprietary datasets back to 2009 and public datasets dating back to 1972. This growing archive offers customers rich historical context across the globe, as well as deep imagery stacks for application development and machine learning-based analytics.

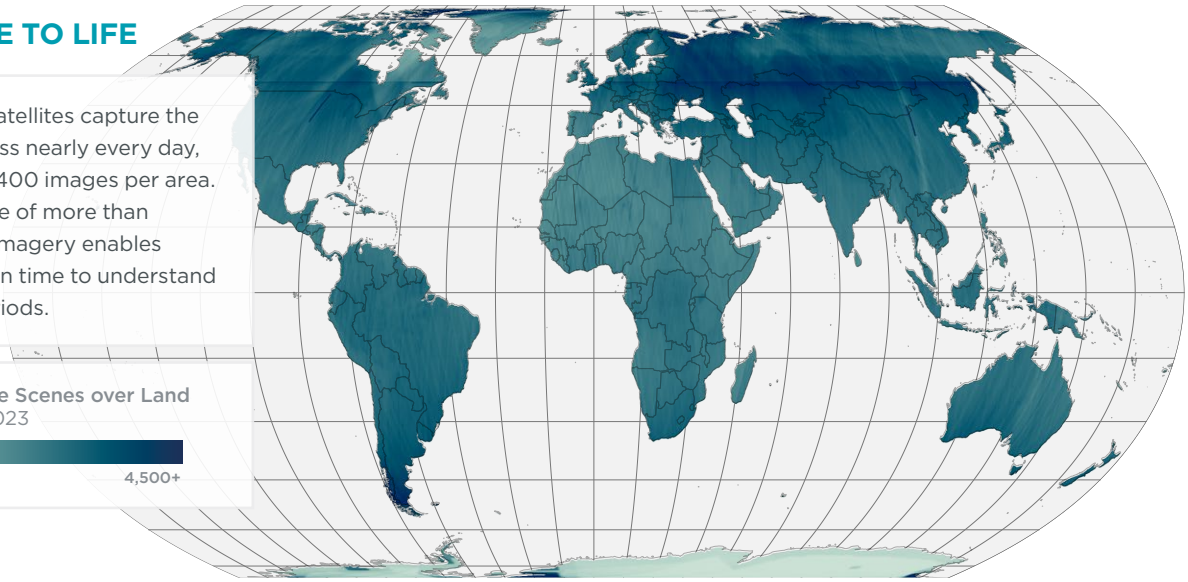
> "Planet's unique advantage is that it captures an archive of all the imagery. If we want to go back in time to observe the impact of certain environmental events, we can do that. We also have daily coverage, which is critical for our day-to-day work."

MUSTAK SHAIKH, Principal for Remote Sensing
New South Wales Government



BRING CHANGE TO LIFE

Hundreds of Planet satellites capture the entire Earth's landmass nearly every day, with an average of 2,400 images per area. The deep data archive of more than 300 billion sq km of imagery enables you to travel in back in time to understand change over long periods.



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INSIGHTS AT THE PACE OF CHANGE

Monitor your areas of interest, discover patterns, and generate timely insights with high-frequency, consistent, and robust satellite data. Subscribe to a near-daily stream of data over your areas of interest, with the ability to go back into the archive to analyze historical events.

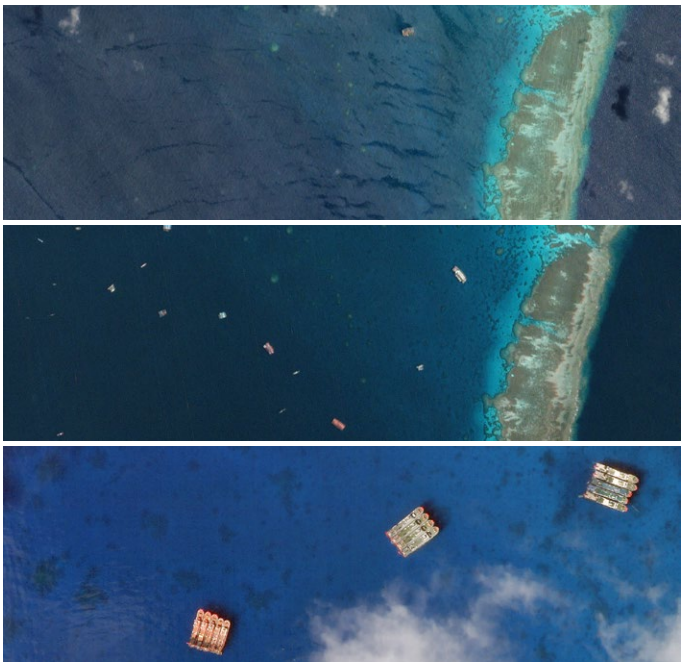
This rich information stream, made available on-demand through cloud-based APIs and web interfaces, is well suited for machine learning analytics and large-scale modeling of change.

CAPTURE FREQUENCY	AVERAGE SCENES PER AREA
Near-Daily	2400

IMAGERY ARCHIVE	SPECTRAL BANDS
10+ years	8 RGB + Coastal Blue, Green II, Yellow, Red Edge, and NIR

TIP AND CUE

Combine the global scanning capabilities of Planet Monitoring with targeted SkySat Tasking to pinpoint and understand the details that matter at higher resolution. With always-on Planet Monitoring, you can passively monitor broad areas with the option to zoom in if something unexpected happens.

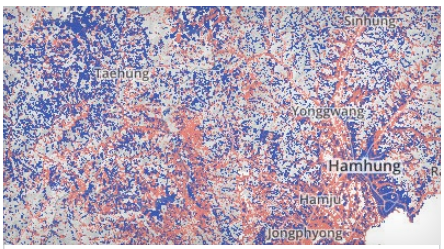


DIVERSE USE CASES

The depth and continuous updates to the Planet Monitoring Archive opens up new frontiers for historical analysis, change detection, predictive modeling, and more.

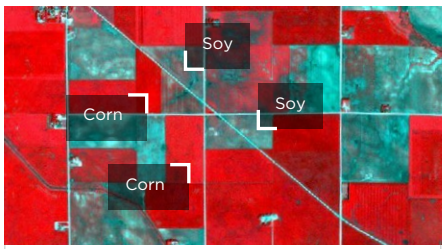
Forest cover analysis

Frequent imaging over the world's forests, particularly in cloudy regions, enables more accurate and up-to-date analysis of forest cover loss and provides a better understanding of the drivers of deforestation.



Automated change detection

Basemaps over cities can be fed into machine learning algorithms to automatically detect building footprints and roads, helping civil governments understand infrastructure change at scale.



Crop yield forecasting

A time series of images captured during the growing season allows farmers and commodities traders to forecast how much yield is expected and how that compares to previous seasons.

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