



PLANET ANALYTIC FEEDS

Identify. Detect. Analyze.

ROAD DETECTION • Cairo, Egypt

Many companies that leverage satellite imagery are overwhelmed by the volume of data. As a result, the insights that are hidden within the data remain uncovered or are discovered long after they would be useful.

Planet Analytic Feeds leverage machine learning and computer vision techniques to extract critical objects and features from Planet imagery, providing customers with deeper insights at a higher frequency. Available for geospatial analysis in GeoJSON and GeoTIFF format.



Road Detection

Upgrade your workflows with monthly and weekly road layers at scale, empowering you to update maps, track road development, and improve routing of resources.



Building Detection

Get monthly and weekly building detections at scale, empowering you to update maps, track construction, and monitor land use and enforce permitting.

Automated Road and Building Change Detection

Efficiently detect where construction of roads and buildings has occurred on a weekly basis. Focus resources where change has occurred and tip higher resolution assets like SkySat or drones to get a more detailed view.



Vessel Detection

Enhance maritime datasets with daily vessel detection in ports and coastal areas. Observe patterns of life, detect illegal activities, and quantify economic activity.



Aircraft Detection

Observe arrival and departure of aircraft on a daily basis. Monitor patterns of life, detect unusual behavior, and quantify movement of planes.

CUSTOM MODEL DEVELOPMENT

Don't see what you need listed here?

Planet can work with you to develop a model that extracts the features you are looking for.

BENEFITS



AUTOMATED CHANGE DETECTION

Get the earliest signal of new Roads and Buildings.



ESTABLISH TRENDS

Leverage historical data to understand baselines.



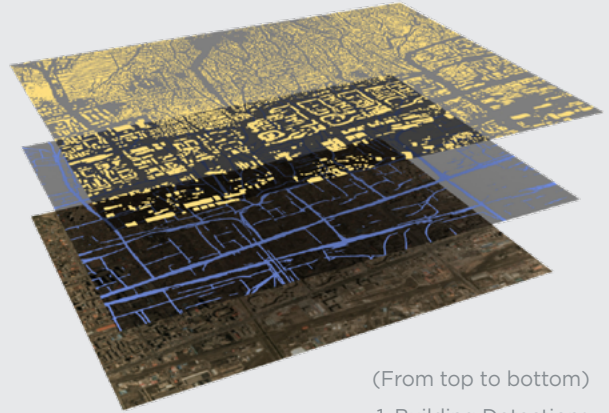
MITIGATE RISK

Broad-scale coverage & frequent updates boosts awareness.



ACCELERATE DECISION-MAKING

Complement existing datasets and act faster.

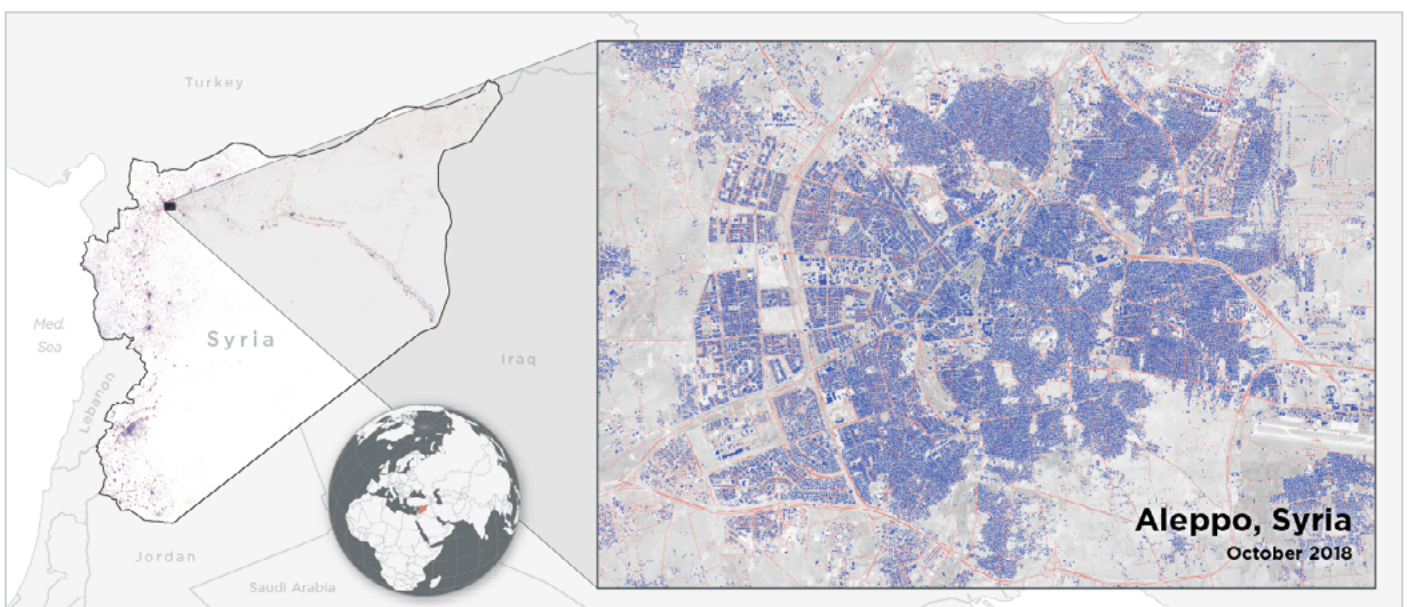


(From top to bottom)

1. Building Detections
2. Road Detections
3. Planet Basemap

INSIGHTS AT GLOBAL SCALE

Planet Analytic Feeds can be applied to Planet imagery across the entire globe, from a continent of interest, to national, or city-wide level. Global scale means you can get features, object detections, and temporal changes off-the-shelf, and globally-available custom builds.

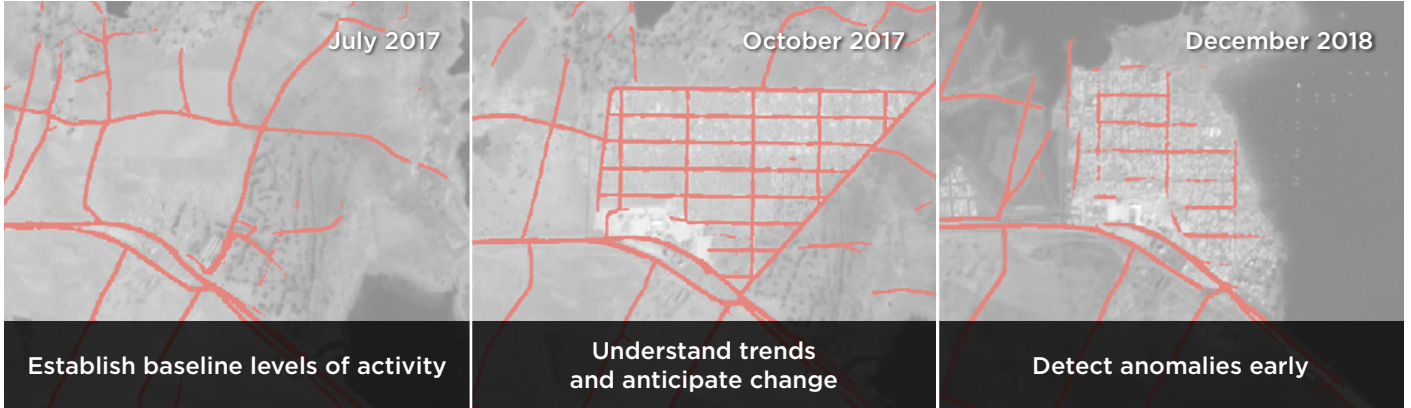


Aleppo, Syria at country-wide and regional level • October 2018

PLANET ANALYTIC FEEDS

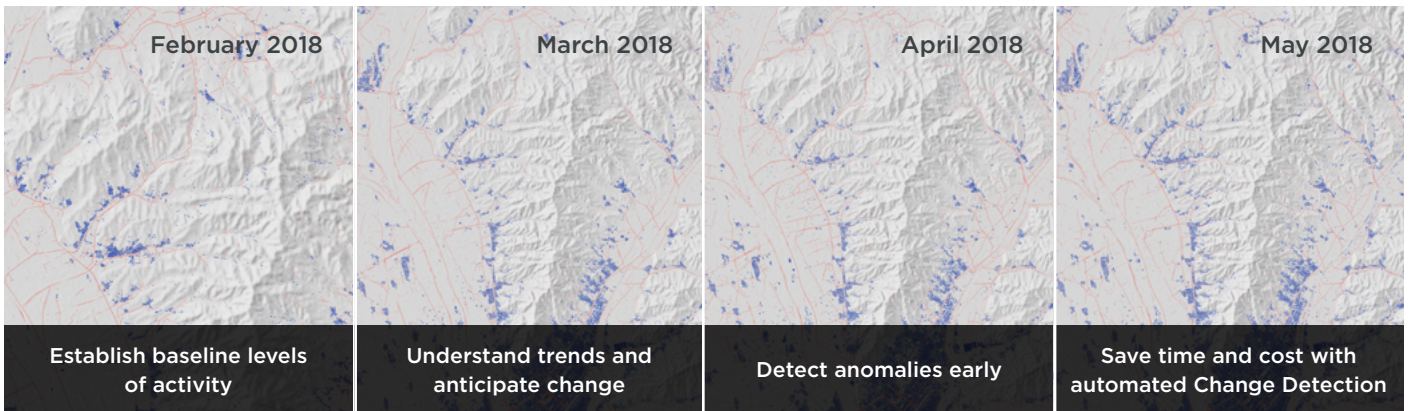
Transforming imagery into insights

ROAD DETECTION



FEATURE	MODEL	IMAGERY	ANALYTIC OUTPUT	STATISTICAL OUTPUT	REFRESH	DELIVERY
Roads	Semantic Segmentation	Planet Basemap	Raster GEOTIFF	Area of Roads (sq meters)	Monthly	Analytics API Web Map Tile Service Analytic Feeds Viewer

BUILDING DETECTION



FEATURE	MODEL	IMAGERY	ANALYTIC OUTPUT	STATISTICAL OUTPUT	REFRESH	DELIVERY
Buildings	Semantic Segmentation	Planet Basemap	Raster GEOTIFF	Area of Roads (sq meters)	Monthly	Analytics API Web Map Tile Service Analytic Feeds Viewer

VESSEL DETECTION



FEATURE	MODEL	IMAGERY	ANALYTIC OUTPUT	STATISTICAL OUTPUT	REFRESH	DELIVERY	SCALE
Vessels	Object Detection	PlanetScope imagery	GeoJSON Feature Collection	Count of Vessels	Daily	Analytics API Analytic Feeds Viewer	Global ports and coastlines

AIRCRAFT DETECTION



FEATURE	MODEL	IMAGERY	ANALYTIC OUTPUT	STATISTICAL OUTPUT	REFRESH	DELIVERY	SCALE
Aircraft	Object Detection	PlanetScope imagery	GeoJSON Feature Collection	Count of Aircraft	Daily	Analytics API Analytic Feeds Viewer	Airports and airfields globally

LET'S TALK

Contact Us

Learn how Planet Analytic Feeds can help you turn data into actionable insights
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