

# Remote Sensing

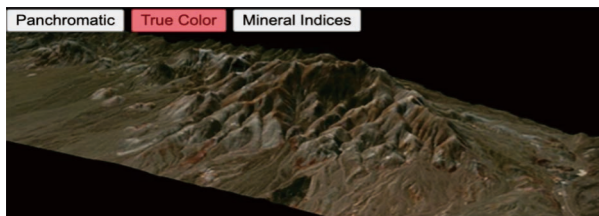
## APPLICATIONS



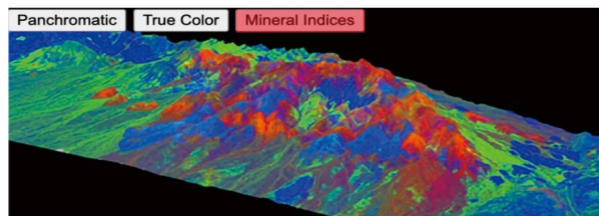
Crop Growth Evaluation (with 4-band multi-spectral, processed already)



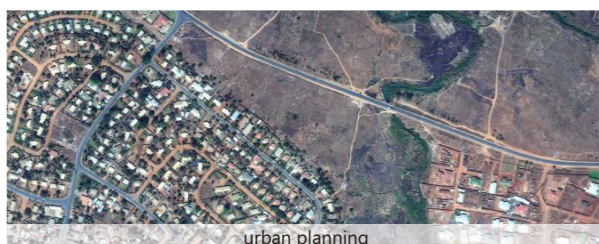
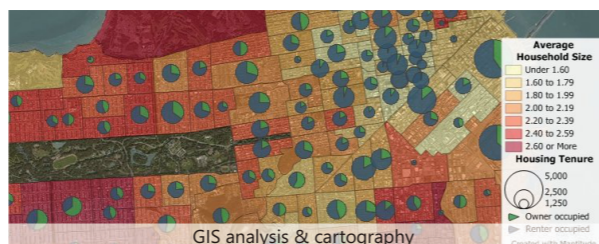
Crop Growth Evaluation (with 4-band multi-spectral, processed already)



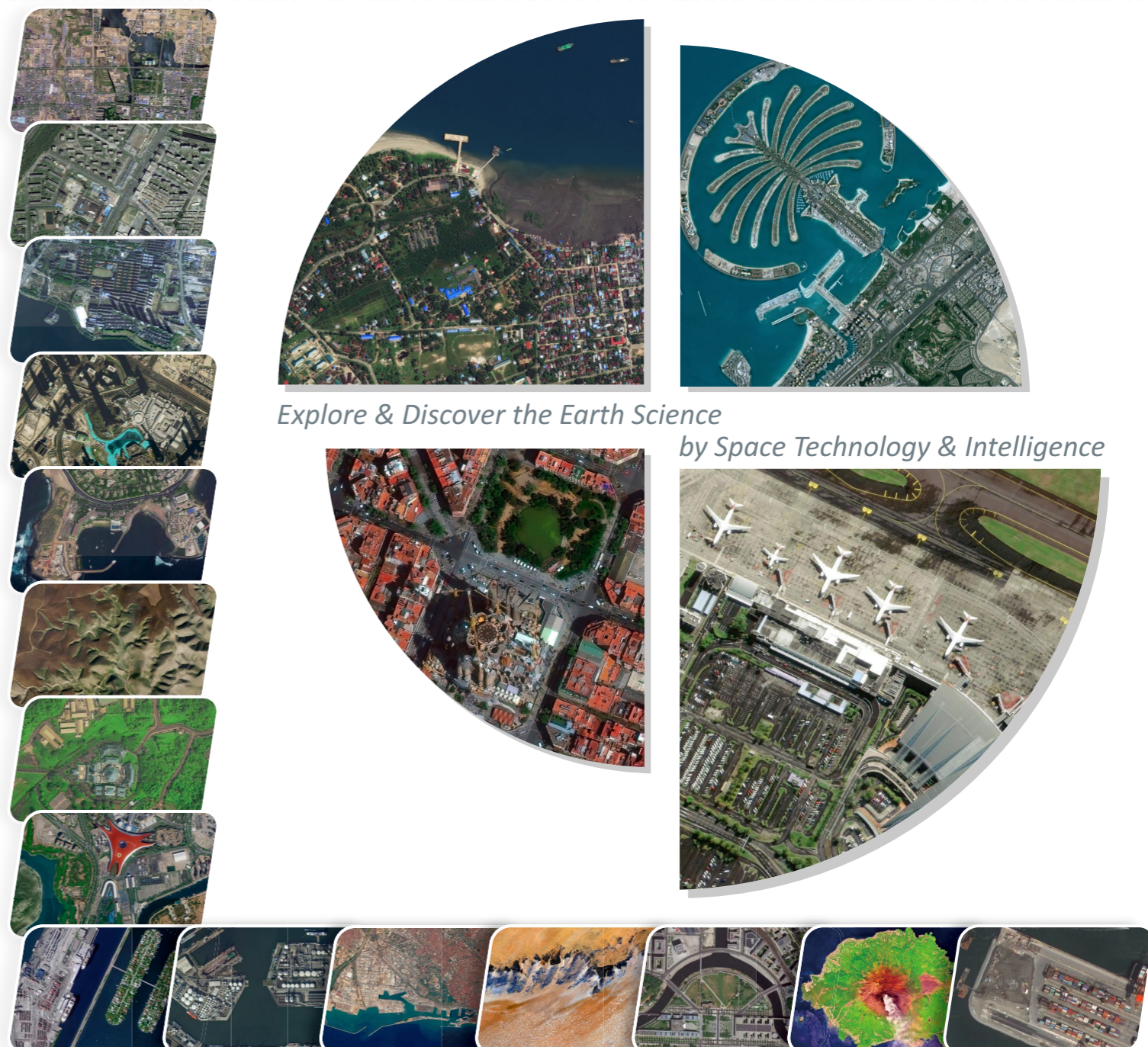
Mining Site Evaluation (with 8-band, or more)



Mineral Indices Evaluation (with 8-band, or more)



## MULTI-SOURCE HIGH-RESOLUTION SATELLITE IMAGERY PRODUCTS & SERVICES



Explore & Discover the Earth Science  
by Space Technology & Intelligence

dealer info



## INTRODUCTION

In this time of rapid global change, it's of great necessity to map, detect, address and predict the changes across the globe. Indeed, geostationary satellite imagery helps plenty of industries identify, monitor and understand the impact of changes on environments and human dynamics (eg. economy, health and sociopolitical stability) at an unprecedented speed and scale. This space technology and intelligence enjoy a number of applications and enable various organizations to make decisions with confidence.

By combining multi-source data, applied artificial intelligence, machine learning and rich domain knowledge, we provide 2 parts of products and services and they are Cloud-based Satellite Imagery Basemaps and Conventional Satellite Imageries. Fueled by Maxar (formerly known as Digital Globe) and other major high-resolution commercial imaging satellites, our products and services are qualified for a variety of scientific analysis and further applications.

## CATEGORY

### Part I: Cloud-based Satellite Imagery Basemaps

The basemaps (Map4Latest and Map4Tasking) here refer to L4 (orthorectified imagery, based on DEM correction and bundle adjustment with ground control points/tie points) and L5 (orthomosaic, based on seamless mosaicking and color unification) in satellite-based remote sensing products category, which may comply with analysis-ready data in terms of radiometric and geometric rectifications, color and mosaic correction, etc.

basemaps up to date  
(combined with all latest satellite imaging records)

basemaps from different past time periods  
for the same target AOI

Beijing Daxing Airport 2019/2/21   Beijing Daxing Airport 2019/5/25   Beijing Daxing Airport 2019/8/21

Beijing Daxing Airport 2020/8/20   Beijing Daxing Airport 2021/11/28   Beijing Daxing Airport 2022/1/17

2016

2017

2018

2019

2020

2021

airport infrastructure progress study   coastal changes analysis

### Part II: Conventional Satellite Imageries

When DEM and contours are needed to vectorize in scale mapping, the conventional satellite imageries with stereo pairs shall be in place, as the L1 products (radiometrically calibrated imagery, with geometric rectification data like RPC/RPB files) could handle the elevation data instead. Panchromatic and multi-spectral images (eg. 4-band, 8-band, 16-band) from archive or on-demand tasking are available upon request.

Example 1, Jilin-1 image, resolution 0.5 m

Example 2, Superview-1 image, resolution 0.5 m

Example 3, WorldView-3 image, 16-band

## FEATURES

### Mass Data Source Ready to Serve Dozens of Industries

0.3/0.4/0.5/0.8/1 m resolution options, panchromatic or multi-spectral, ortho-ready or stereo pair from major commercial satellites such as Gaofen 1/2, Jilin-1, Superview-1, Beijing 2/3, Worldview1/2/3/4, GeoEye-1, QuickBird, Ikonos, Pleiades, Komsat 1/2/3, etc.

### Daily Updated Cloud Database for Fast Productions

Satellite imagery processing is simply not an easy task. However, our cloud database is ready to deliver your targeted products at an incredible speed, yet such database worldwide is almost updated daily.

### Finished Products or Raw Data Available Upon Request

For ortho study and analysis, just consider the finished products, cloud-based satellite imagery basemaps. Then, for vectorized mapping consisted of elevation information, please go with conventional satellite images in form of raw data.

### Intensive Customized Services Standby

Besides satellite images processing using specialized remote sensing software, map4tasking (for cloud basemaps) and on-demand tasking collection (for raw data) at different intervals are available for diverse needs.



## ILLUSTRATION

original

mosaic

correction  
(color, brightness)

output  
(segmentation, deliverables)

### Map4Latest

utilizes all latest satellite image strips to generate a general basemap up to date, with resolution up to 0.3 m. This example is about general analysis of urban planning.



### Map4Tasking

collects the imageries from different time intervals to stay informed. This example is about periodical study of ground objects monitoring.

