



GWFF

GEOSPATIAL WORLD FORUM

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🇯🇵 **Born as a Tech enabler** for Japan's national R&D program "ImPACT" in 2018

💻 EURO100M raised in the first 17 months
JPY 173M (USD23Bn) raised in 4.5yrs



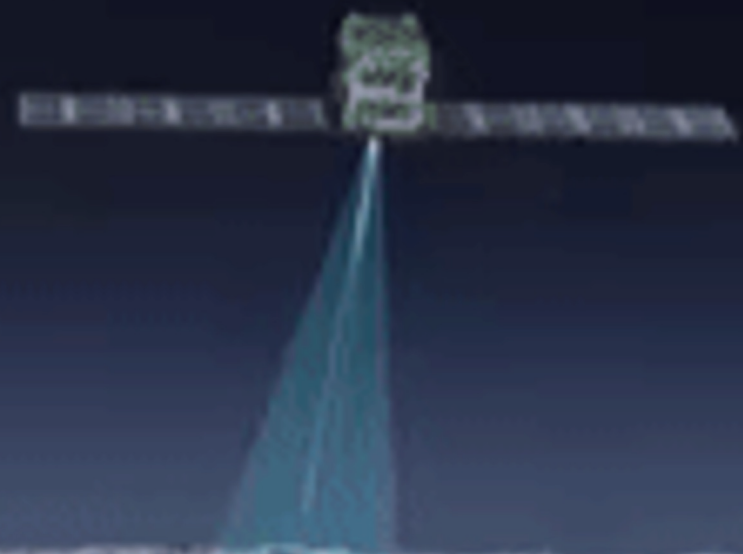
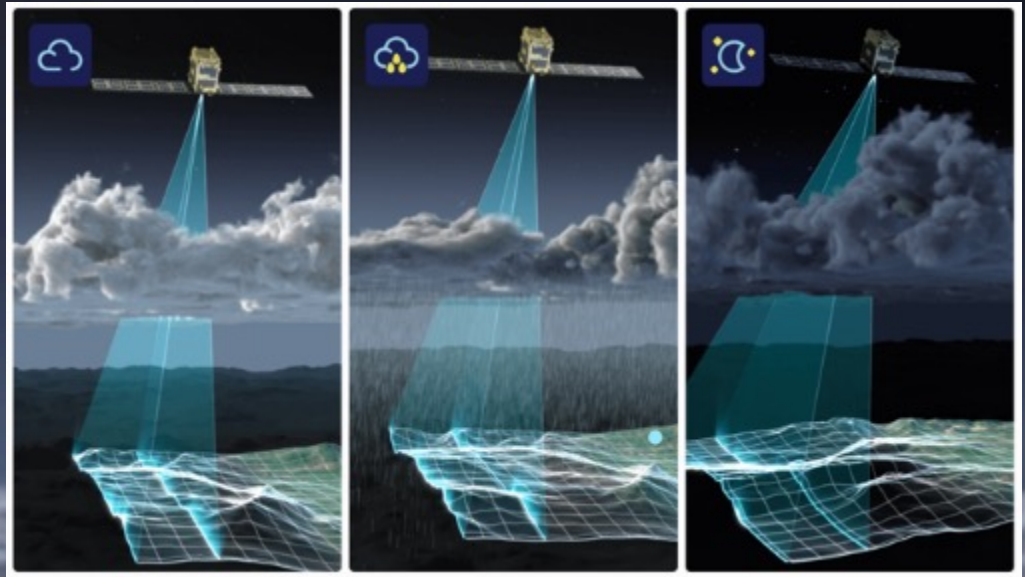
MEXT Minister Prize
Nippon Startup Award 2022



Geospatial World Leadership
Award 2022



Cabinet office's 6th Space
Exploitation Awards 2024



ALL WEATHER

24/7

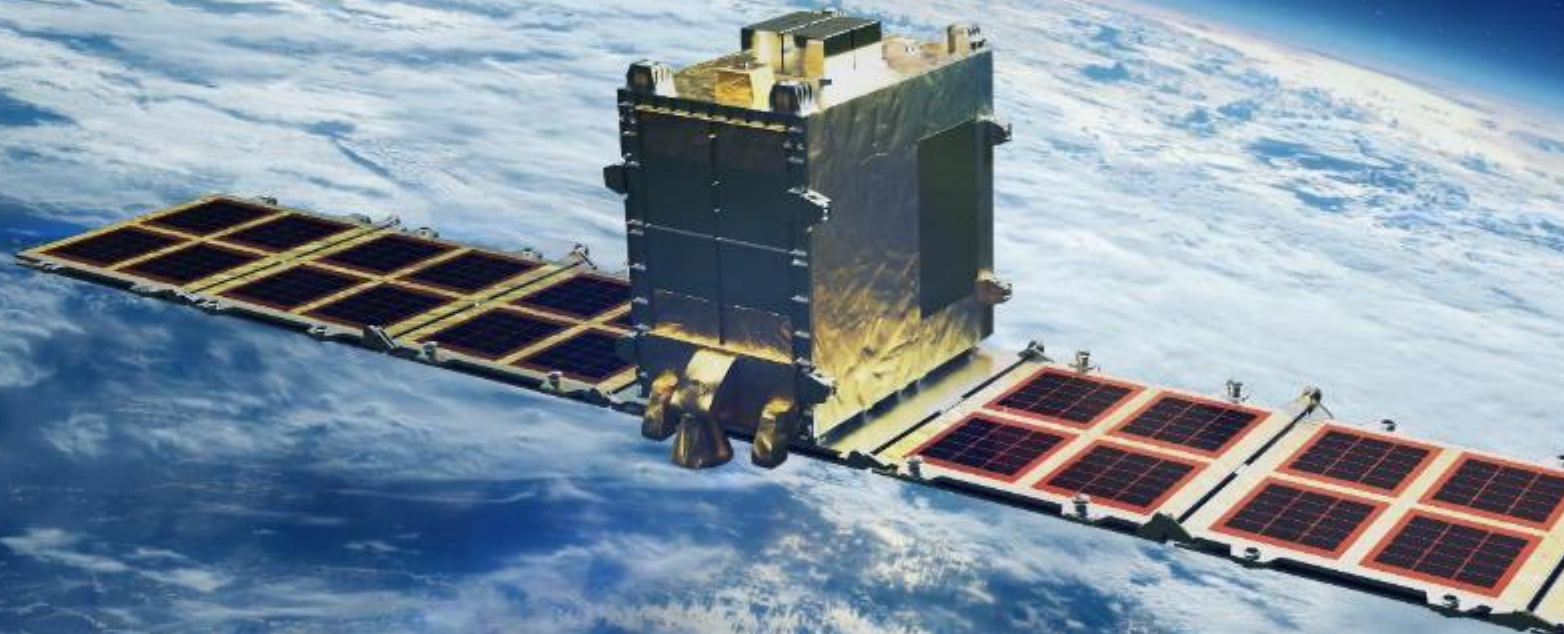


Synspective

StriX

Named after 'Strix uralensis', scientific name of 'Owl'

X band SAR (Synthetic Aperture Radar) satellite



Orbit Parameter

Orbit type	sun-synchronous orbit
Nominal altitude	561km
Orbit inclination angle	97.7 degree
Revisit period	1 day
Local Time at Ascending Node (LTAN)	21:00

Sensor Specification

Center frequency	X-band
Polarization	VV
Off-nadir angle	15-45 degrees

4 successful missions



'StriX-3' (Mar, 2024)



'StriX-α' (Dec, 2020)
(Completed mission)



'StriX-β' (Mar, 2022)



'StriX-1' (Sep, 2022)

Warsaw, Poland

April 2024

SAR Satellite: StriX-3

Observation Mode: Sliding Spotlight

Synspective

StriX-3
ストリクス-3

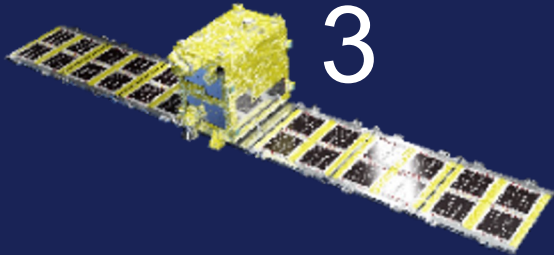
Rocket Lab ● Electron

1. Satellites in the Sky
2. 24/7
3. Through Cloud and Rain
4. Looking down on Earth

OWL NIGHT LONG

BUILDING NEAR REAL-TIME MONITORING CONSTELLATION

2020~



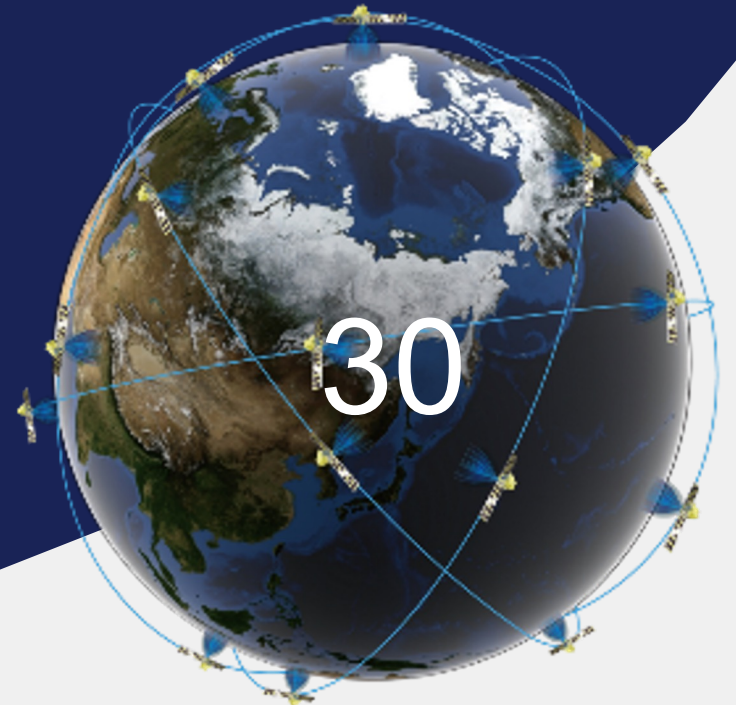
3

2024~



6

202X~



30

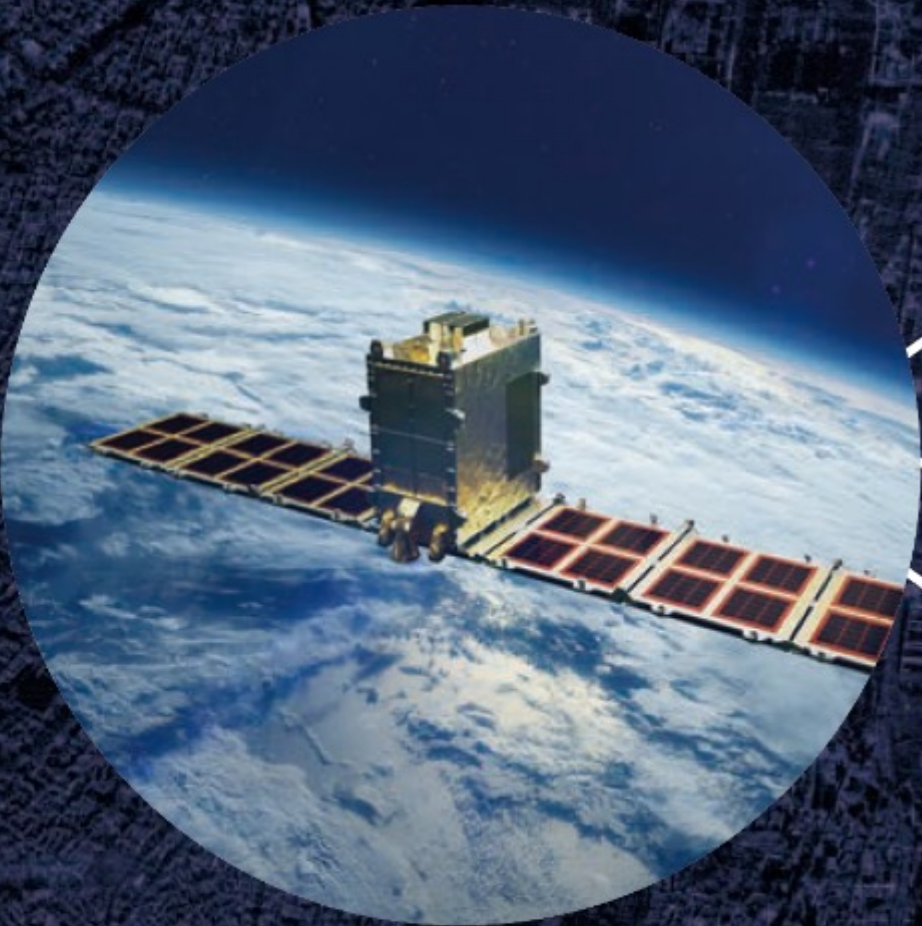
Factory



Name	SOSiLA Chuo Rinkan
Address	3-7-1 Chuo Rinkan Nishi, Yamato City, Kanagawa Prefecture
Area	8,594.52m ²
Structure	Reinforced concrete, partially steel-framed, situated five stories above ground



Synspective



StriX



High-Quality Images

StriX satellite imagery offers a high signal-to-noise ratio



Wide Coverage

Global coverage and a 30km swath



High-Revisit Rate

Detect near real-time changes using a constellation of 30 satellites

- High-Quality Images**
StarX satellite imagery offers a high signal-to-noise ratio
- Wide Coverage**
Global coverage and a 30km swath
- High-Revisit Rate**
Detect near real-time changes using a constellation of 30 satellites

Sevastopol, Ukraine

X Sliding Spotlight Mode

1m RESOLUTION
2 – 4 TIMES
LARGER

Synspective
Sliding Spotlight
0.9m Resolution
10km × 10km

Capella Space
Sliding
0.8 m
5km × 10km

ICEYE
Spot
1m
5km × 5km

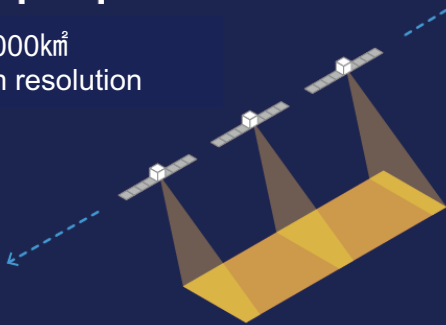
Umbra
Spot
1m
4km × 4km

- High-Quality Images**
SynDC satellite imagery offers a high signal-to-noise ratio
- Wide Coverage**
Global coverage and a 30km swath
- High-Revisit Rate**
Detect near real-time changes using a constellation of 30 satellites

Observation Mode

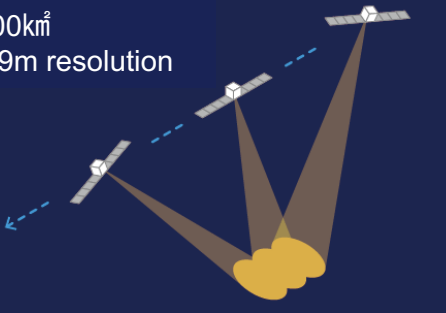
Stripmap Mode

1,000km²
3m resolution



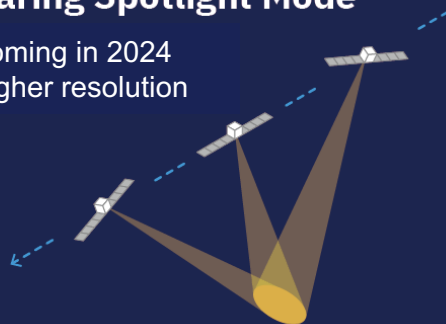
Sliding Spotlight Mode

100km²
0.9m resolution



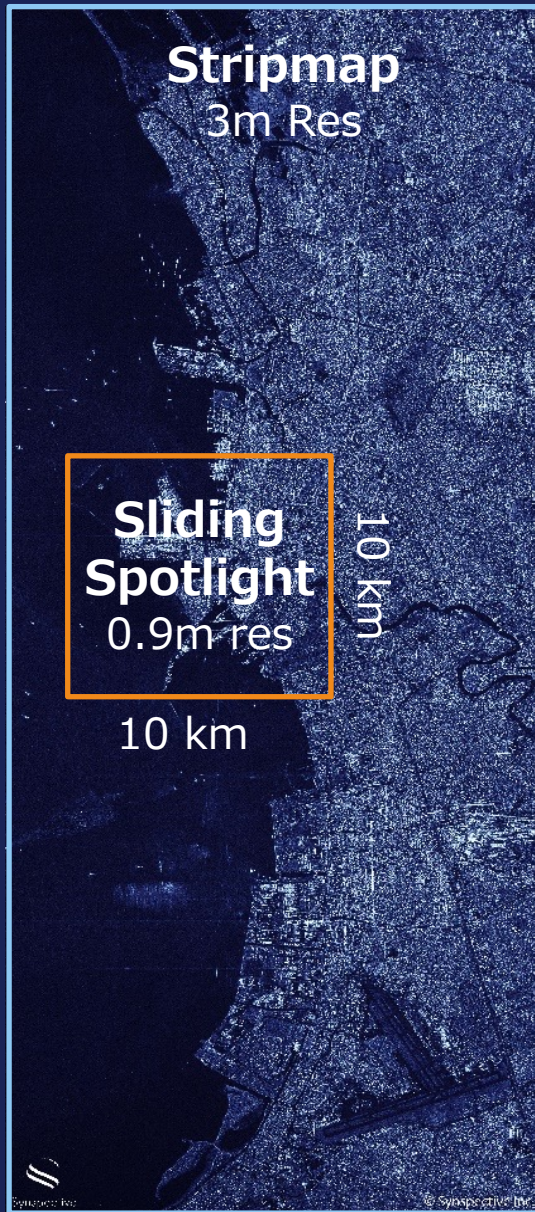
Staring Spotlight Mode

Coming in 2024
Higher resolution



20 - 30 km

Stripmap 3m Res



Sliding Spotlight 0.9m res

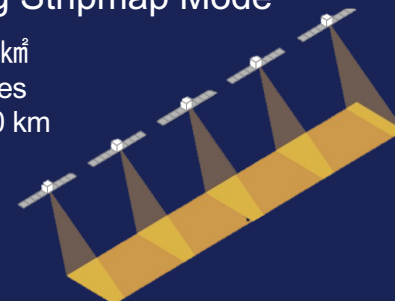
10 km

10 km

50 km

Long Stripmap Mode

6,000km²
3m Res
~300 km



LARGE COVERAGE

29 July 2022



Synspective

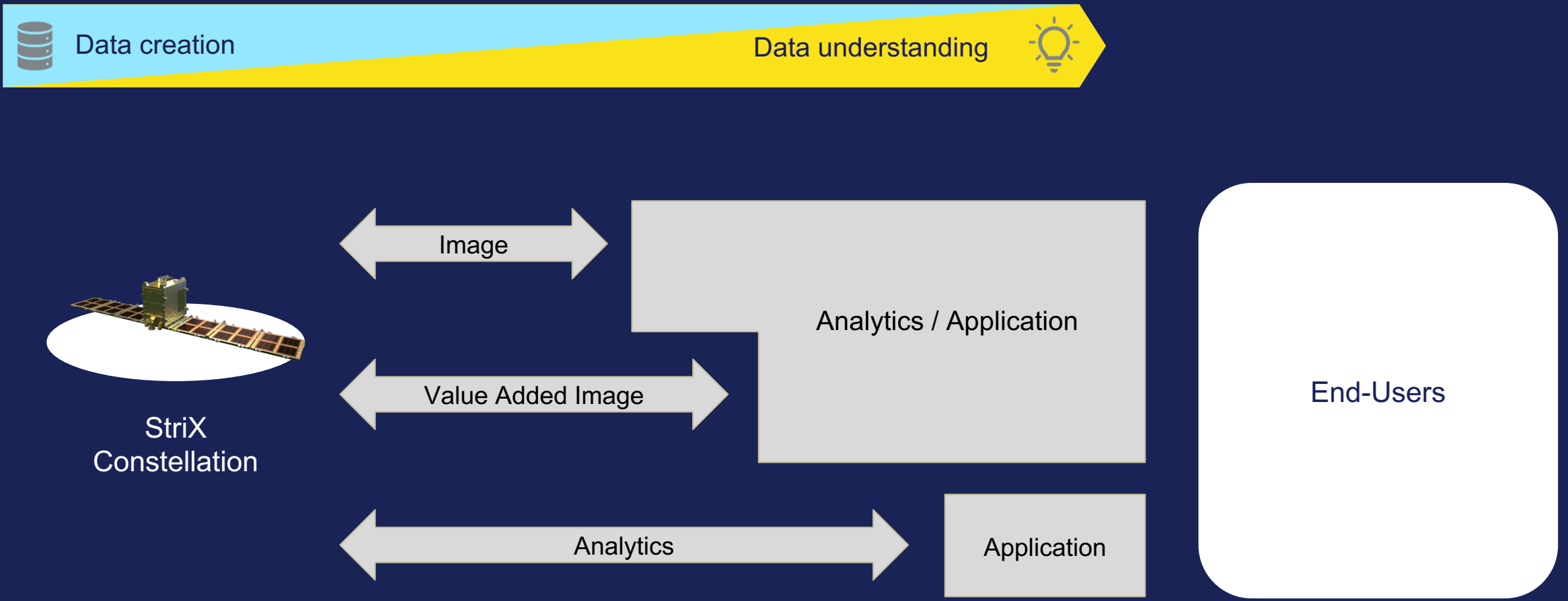
High-Quality Images
SynDC satellite imagery offers a high signal-to-noise ratio

Wide Coverage
Global coverage and a 30km swath

High-Revisit Rate
Detect near real-time changes using a constellation of 30 satellites

DAILY
REVISIT

Appropriate level of processing



Analytics

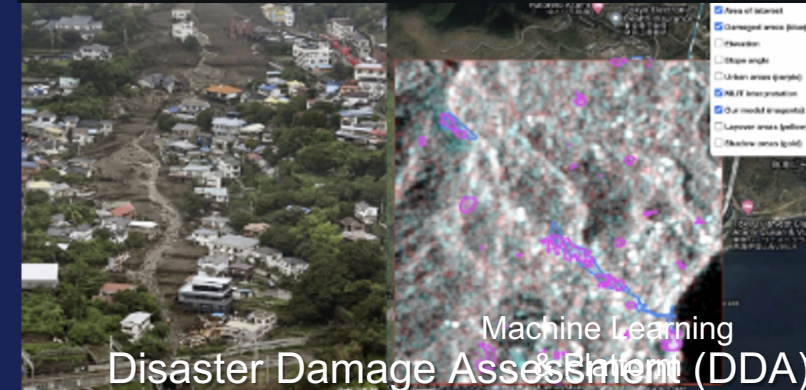
Visualize Ground Deformation



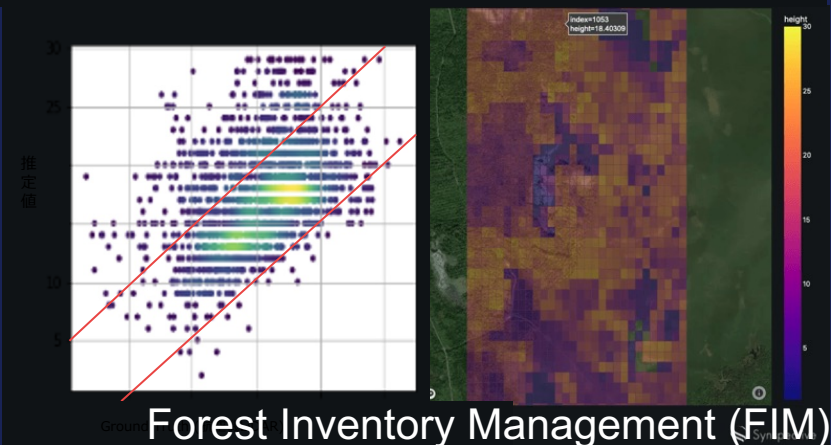
Flood Damages



Damages by Disasters



Biomass and Vegetation



Offshore Wind

