



DEFENCE AND SPACE

Airbus Digital Platform “One Atlas”

Naoyoshi YOKOYAMA

Tokyo – JAXA Remote sensing Satellite Symposium
15 May 2019

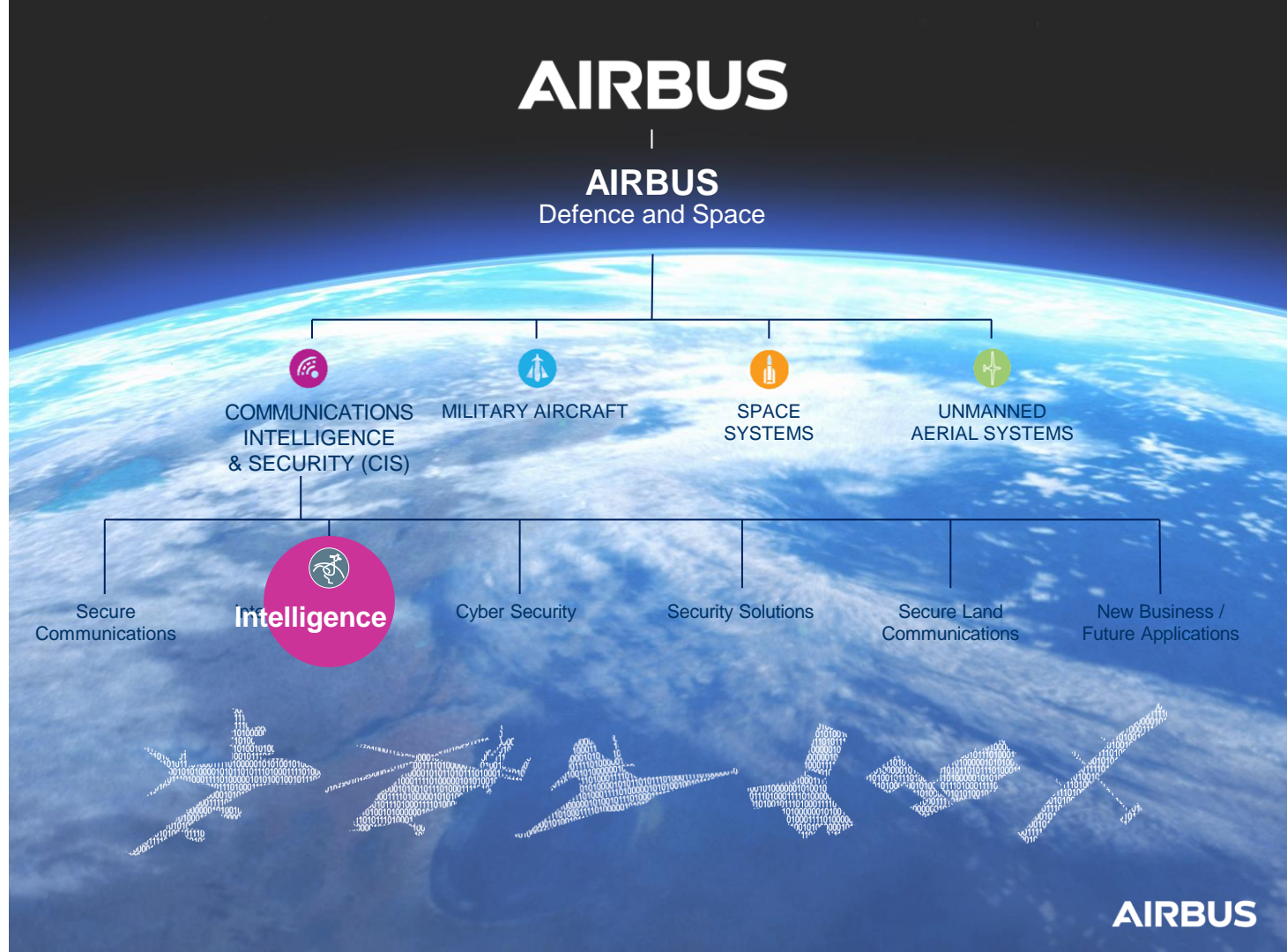
AIRBUS

The Power of AIRBUS

World-Class Capabilities

Earth Observation

Defence Solutions



Our Portfolio



Imagery

Access to **imagery** and reference **layers** from the smartest **constellation**, combining **radar** and **optical** satellites



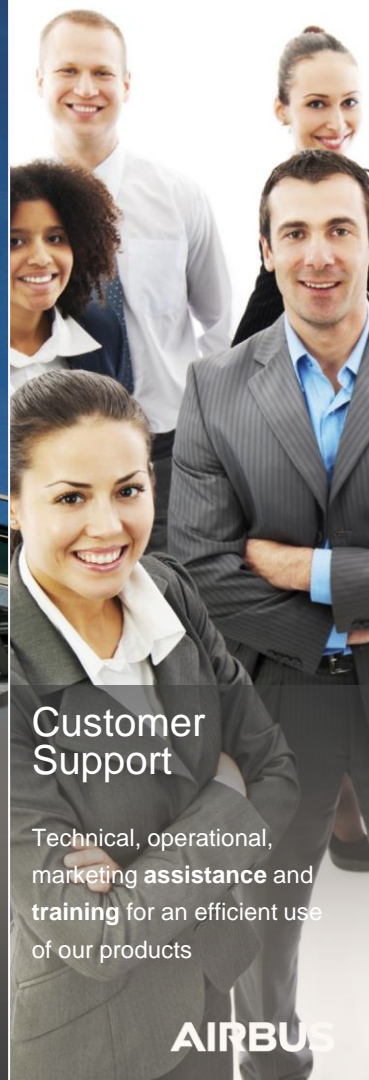
Services

Delivery of **application-specific** information resulting from the expert **analytical** processing of geospatial data



Systems

Infrastructure & applications for: data **acquisition**, **management & processing**, **intelligence & surveillance**, **command & control**, air defence



Customer Support

Technical, operational, marketing **assistance** and **training** for an efficient use of our products

DEFENCE AND SPACE

Our Data Makes the Difference

Our Constellation

Diversity of insights and
usage

Strong positioning

DMC Constellation

22m resolution



SPOT 6/7

1.5m resolution



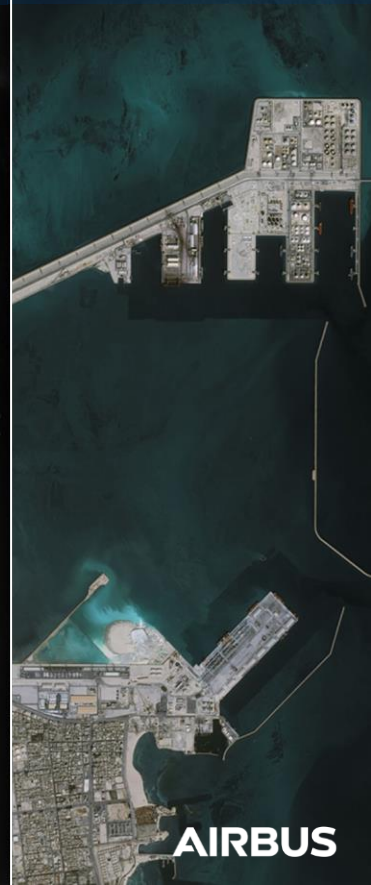
TerraSAR-X/
TanDEM-X / PAZ

0.25m-40m resolution



Pléiades

0.5m resolution



OneAtlas™

Connecting Images from Space
To Decisions on Earth

40.437°N
23.642°W

TALLY#:

1. VESSEL #13748-1283
2. VESSEL #48596-3467
3. VESSEL #90547-3485
4. VESSEL #18993-B475
5. VESSEL #99847-1784

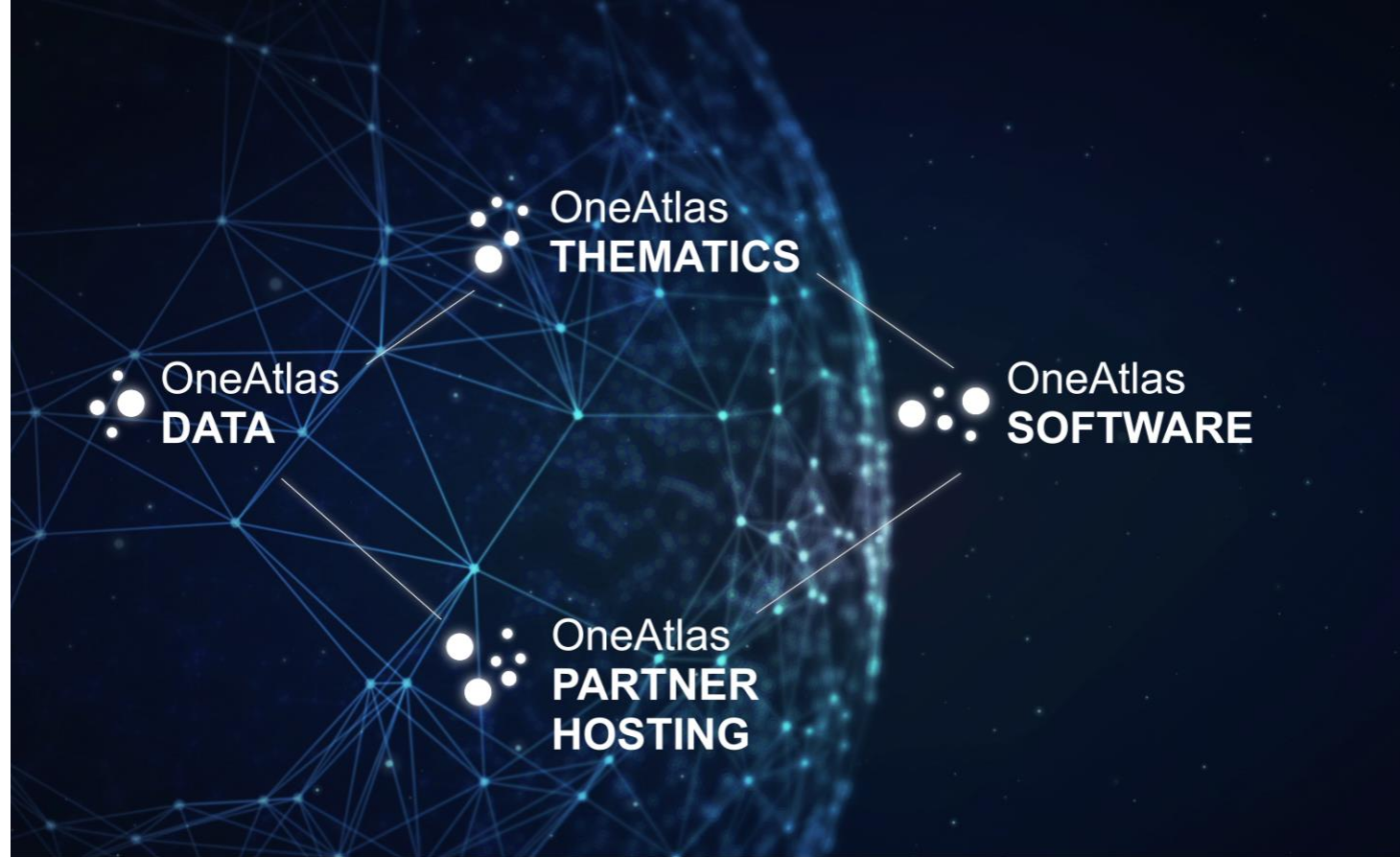
PIER#:

145.27884955 - Q89W
234.45789960 - Y46K

40.427°N
23.642°W

OneAtlas Platform

Driving
Digital



Commercial & Defence

Living Library

Immediate access to a selection of premium Airbus imagery

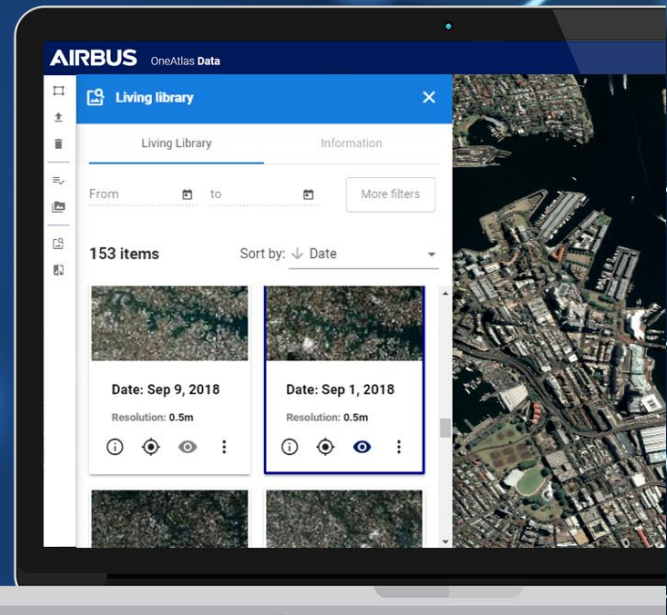
Multi-resolution, premium imagery, constantly updated

Fresh premium Archive

Annual Subscription

Flexible Delivery & Formats

Cloud API integration



Basemap

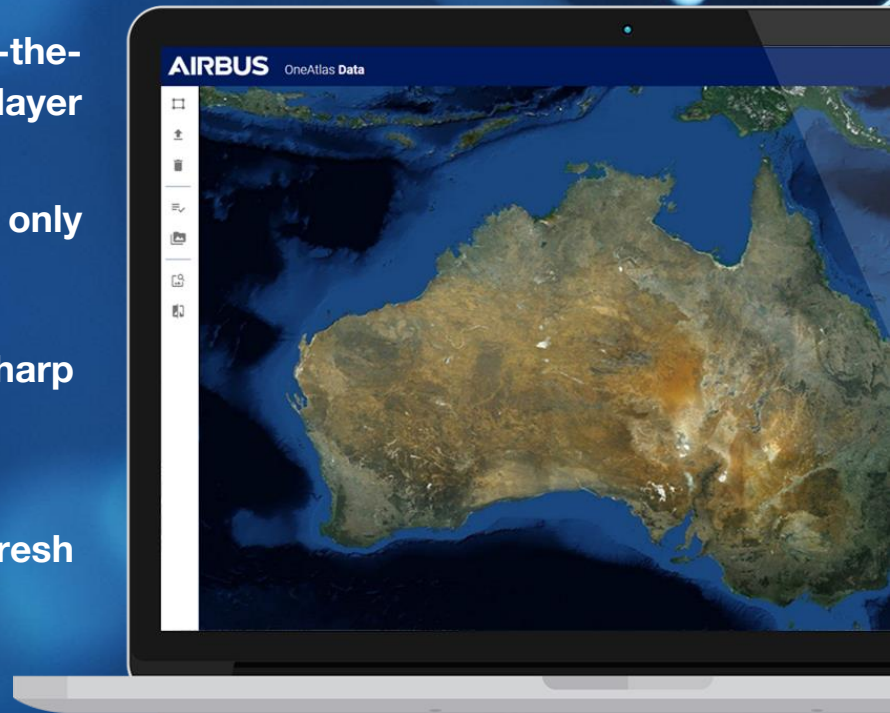
The most reliable
worldwide imagery
layer.

Worldwide off-the-
shelf layer

Highest-grade only

Sharp

Fresh



WorldDEM™ Streaming

Browse, discover, and experience the global WorldDEM dataset by viewing the relief map.

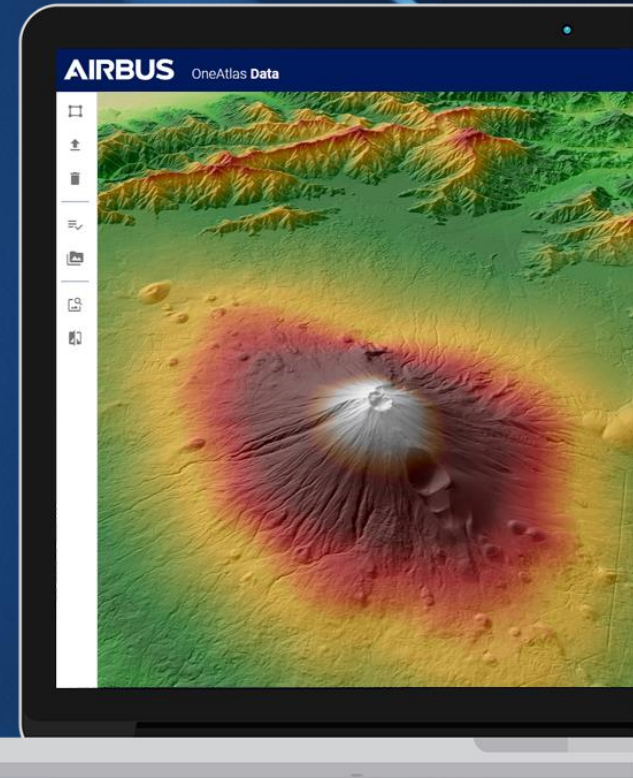
Generate value added information by accessing WorldDEM and WorldDEM4Ortho

Viewing

Browse, discover, and experience WorldDEM by viewing the full resolution relief map

3D Analytics

Access to the global* WorldDEM and WorldDEM4Ortho databases to generate value-added information and run analysis



* On demand release request for sensitive countries

OneAtlas Software

PF Neo Cloud

2D Ortho-Mosaic

Textured 3D Model

Digital Surface Model (DSM)

**Data processing from
multi-sensors**

(Satellite, Aerial, UAVs)



Change Detection

Monitor sites on demand based on Airbus tasking capabilities coupled with our **automated Change Detection** computation.

Let you spot **infrastructures changes**, including roads, houses, earthworks and buildings.

Site Monitoring

Automated Detection

Infrastructures Changes

Pléiades and SPOT 6-7



Earth Monitor

in partnership w/ Orbital Insight

Monitor your Areas of Interest (AOIs) across time using Airbus imagery and advanced analytics capabilities.

Multiple algorithms to meet your specific needs: vehicles counts, land use and land use changes, infrastructure changes.

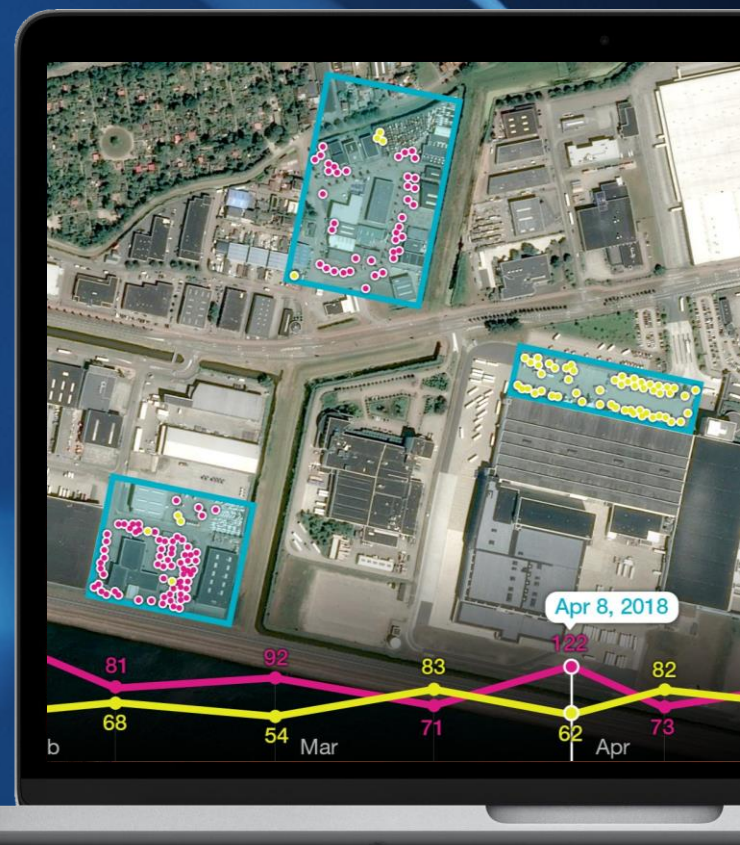
Multi-Temporal, Multi-AOI
based on Airbus optical imagery
0.5m & 1.5m, archive or tasking

Multi-Criteria

Using multiple AI-based algorithms:
cars, trucks, planes, land use, land use change, infrastructures change

Advanced insights

Maps (detections & changes),
multi-temporal statistics and alerts



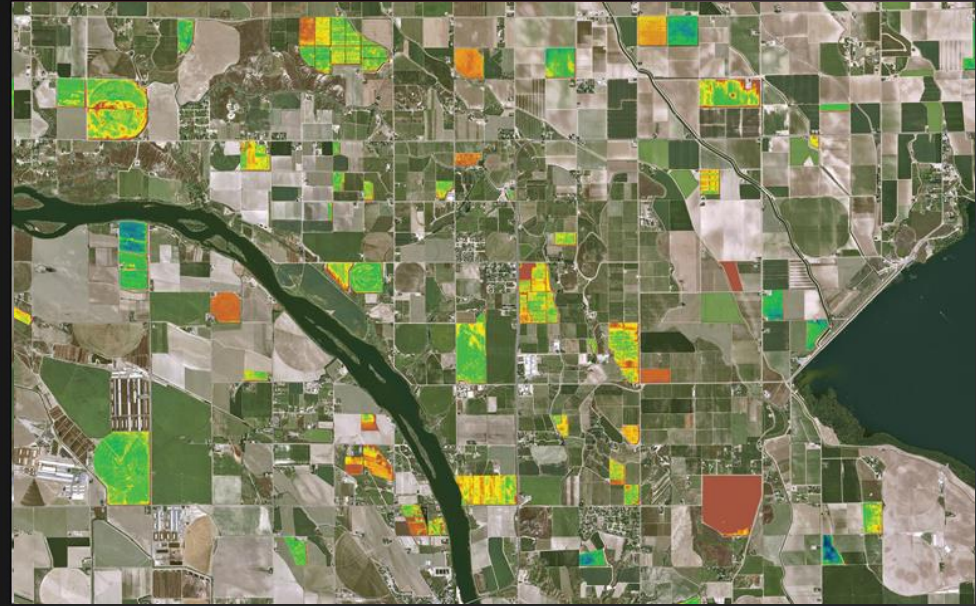
Verde

Build and deliver incomparable crop management advice in no time.

1. Access to biomass and nitrogen information
2. Consistent over time and space
3. Easy integration in agro-meteo models

Delivered via an API, plug-and-play to any precision agriculture portal.

Our Ambition: Become the Reference Layer for Premium Crop Analytics and Precision Agriculture



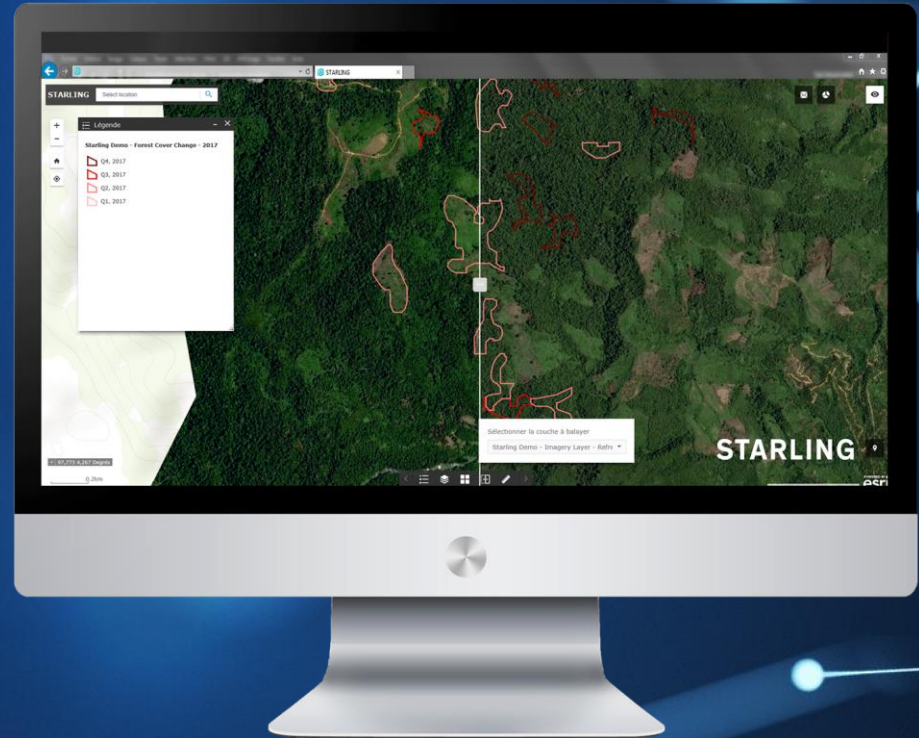
Starling

Companies using palm-oil can now monitor their No-Deforestation commitment.

1. Evidence-based service
2. Private and independent
3. Reliable accurate and up to date

Systemic cloud production of any pixel, radar and optical, for country-wide, live monitoring of production areas

Our Ambition: Support palm-oil industry transformation up and down the value chain

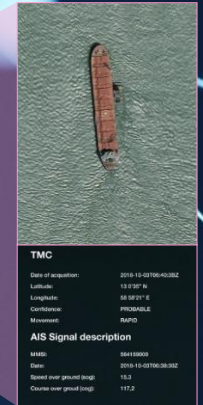
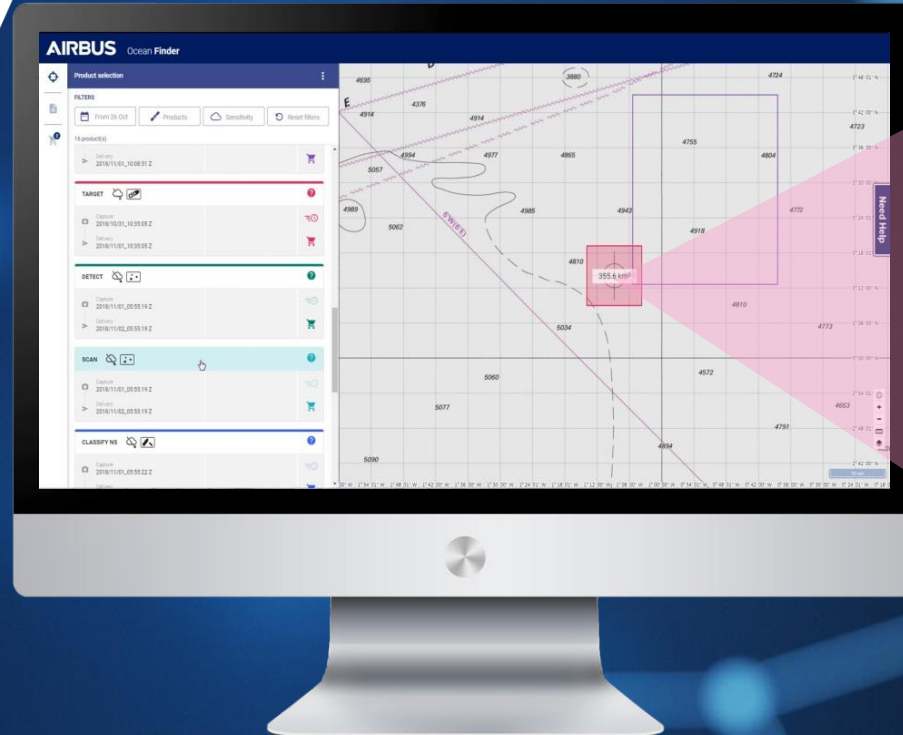


Ocean Finder

Unique self tasking satellite service to detect & identify Assets and Activities for Safer Waterways.

1. Search and Rescue
2. Monitor abnormal vessel's behavior
3. Relocate a hijacked boat
4. Fight against Illegal Fishing
5. Investigate situation after incident & accidents

Automatically detect ships & assets based on optical & radar images, identified with AIS data



Discover what The OneAtlas Platform can do for you.

<https://www.intelligence-airbusds.com/oneatlas/>

<https://oneatlas.airbus.com>

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Thank you