Intelligence

OneAtlas

The satellite image library

Sept. 2016

ONE VIEW ONE LIVE

AIRBUS DEFENCE & SPACE


SPOT
30 Years
Imagery

>100 bn km²

SPOT Archive, since 1986

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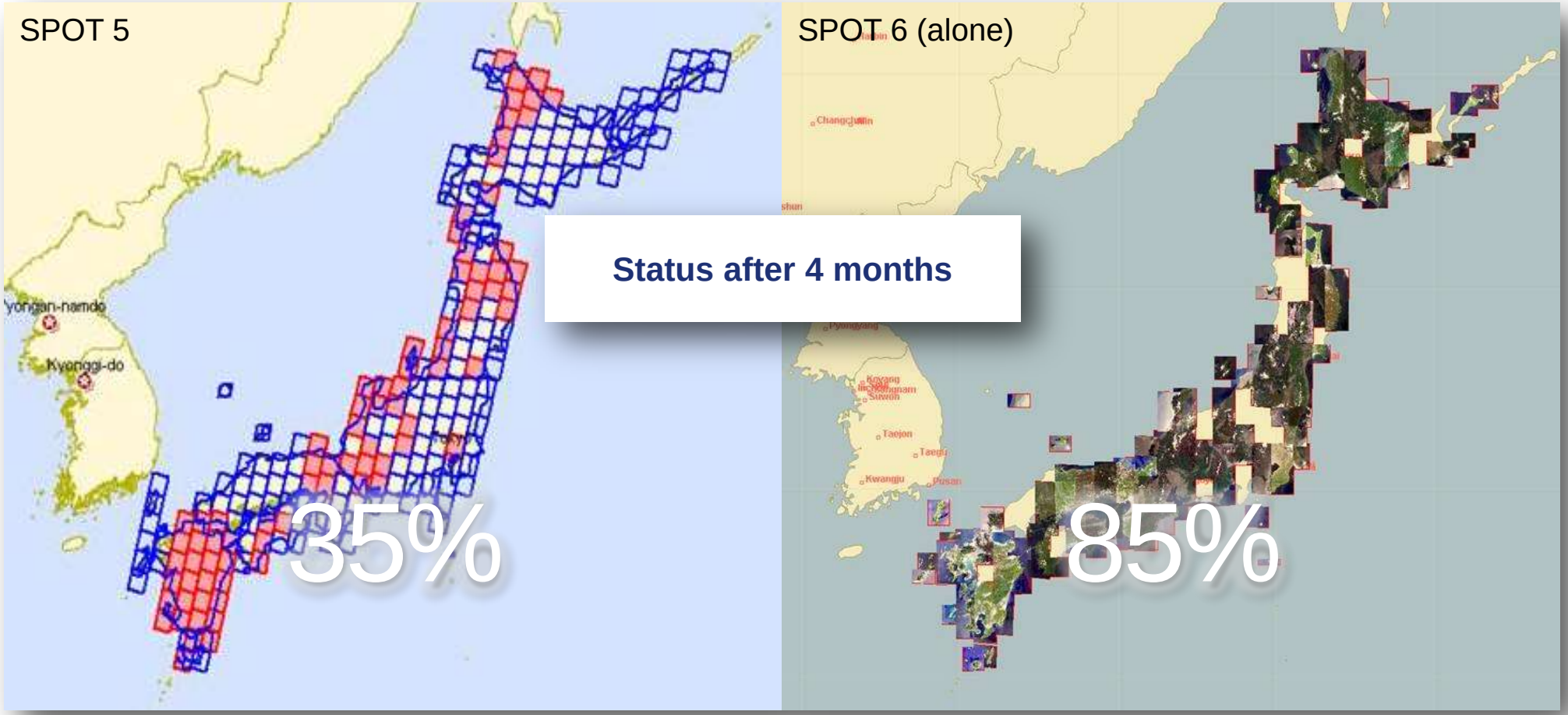
Pléiades 1A y 1B
Constelación de dos satélites gemelos
Precisión, en cualquier lugar, todos los Días
Productos de 50-cm
Ancho de 20-km
TerraSAR-X y TanDEM-X
Composición de dos satélites idénticos
Imágenes radar de banda X
pendientes de la meteorología y excelente precisión
SPOT 6 y SPOT 7
Constelación de dos satélites gemelos
Extensa cobertura, en cualquier lugar, todos los Días
Productos de 1,5m
Ancho de 60-km
La Constelación esta Finalizada…

A New Generation Designed for Fast & Homogeneous Coverage



Campaign started on April 1st with SPOT 5 and SPOT 6 - same priority

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SPOT 6 & 7: Wide Coverage in Record Time

407,754 km²

Full coverage of the entire Californian State in one month, 10% cc and 20° angle

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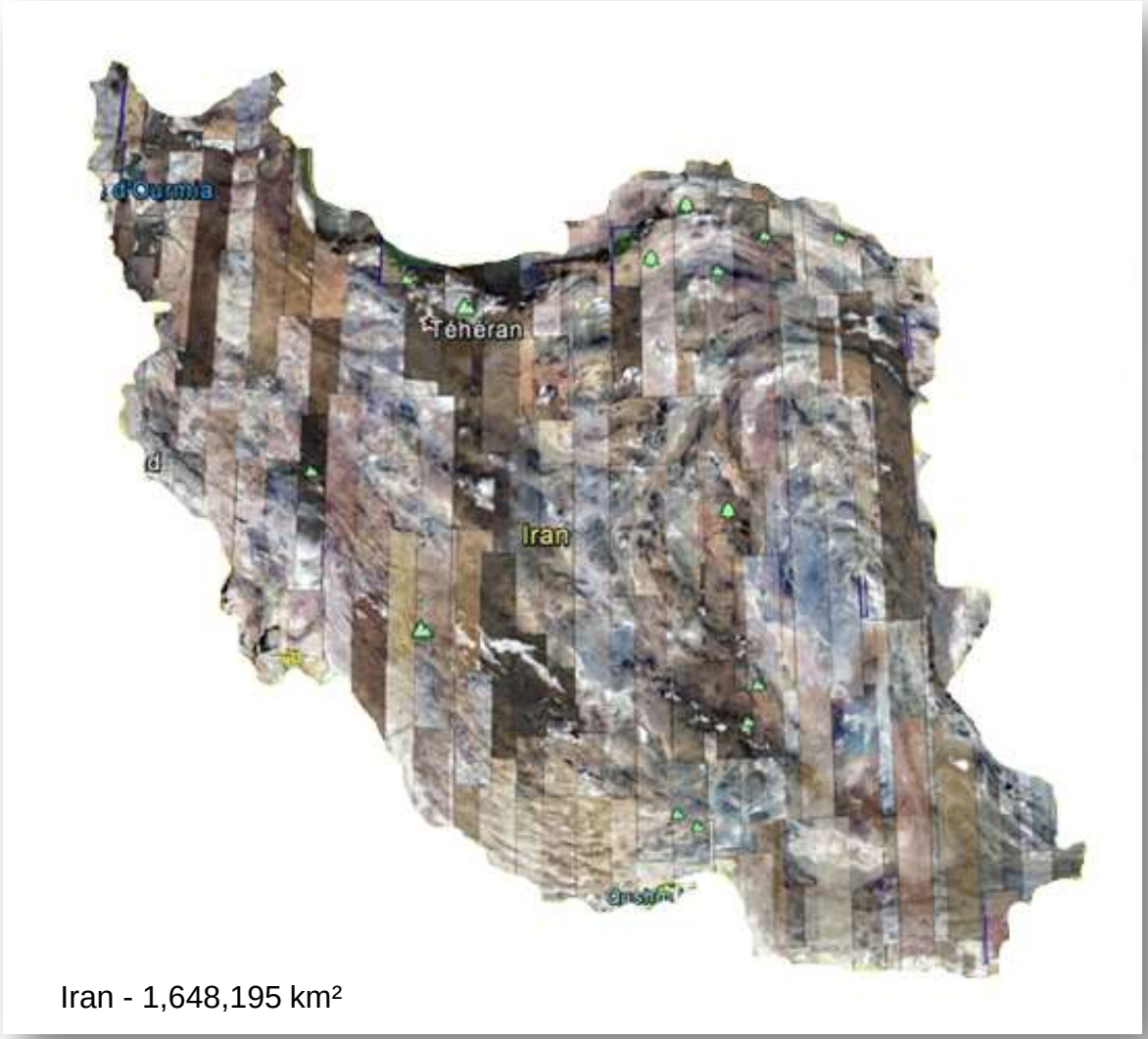
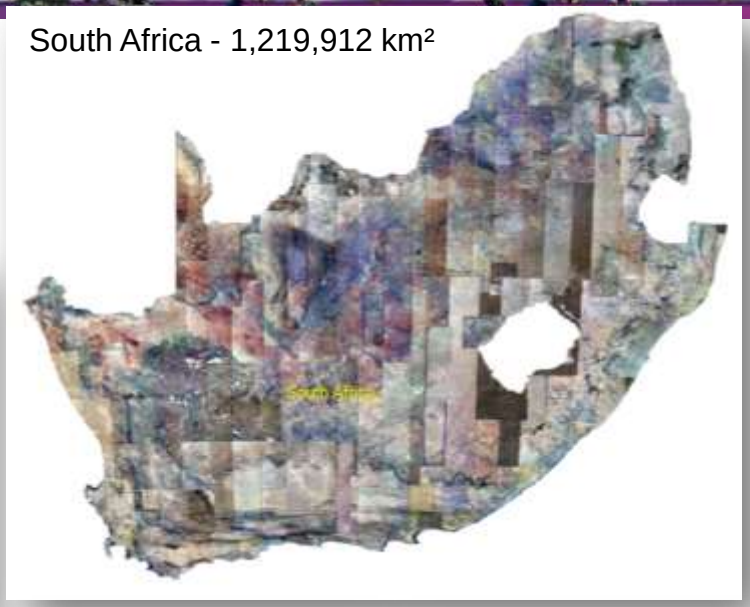
SPOT 6 & 7

Covering Countries, Countries and Countries



Iran - 1,648,195 km²



South Africa - 1,219,912 km²

Iraq

437,072 km²

Solomon Islands

28,450 km²

Mali

1,250,000km²

New Caledonia

18,600 km²

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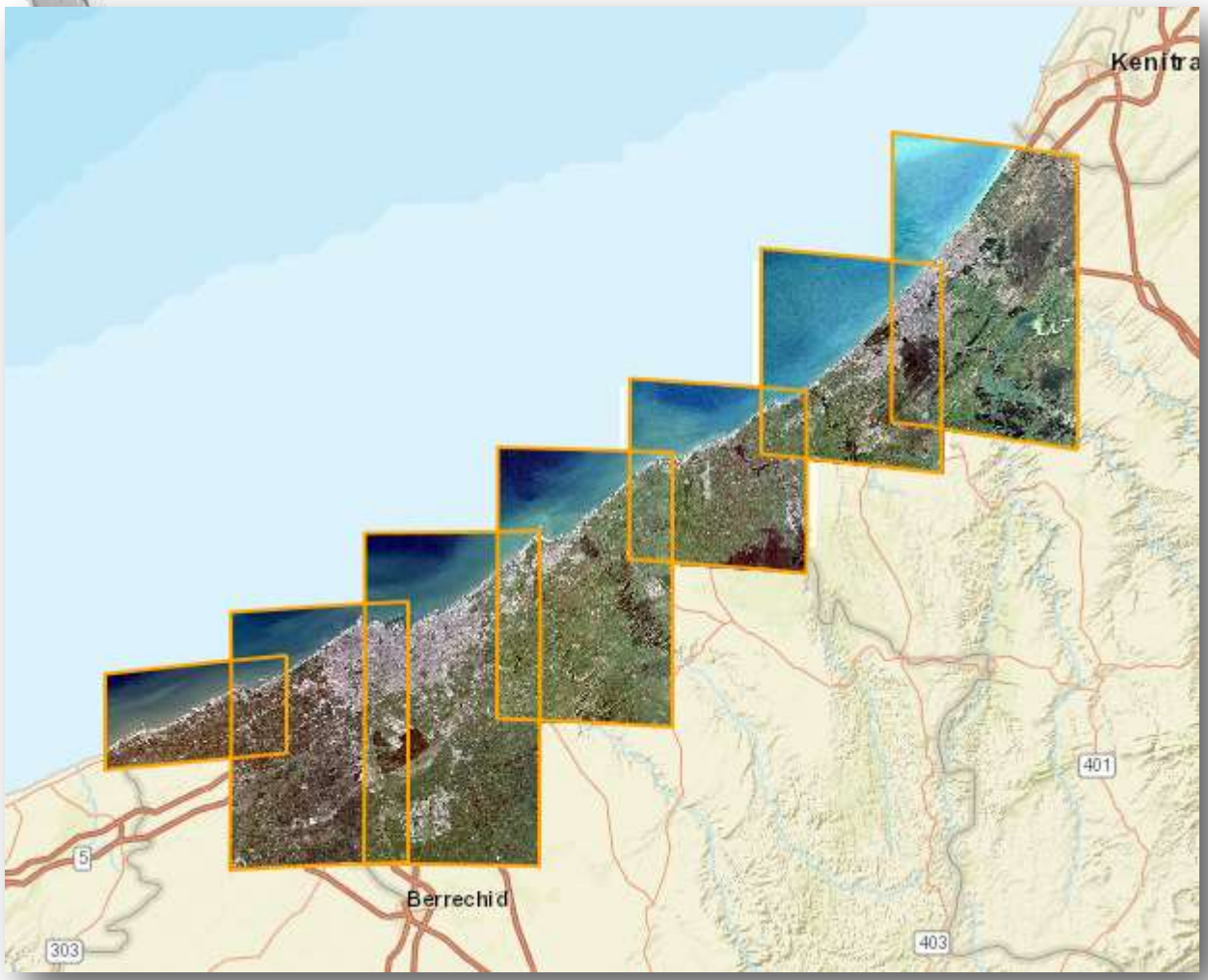
Pléiades: Urban Coverage



7 strips over Rabat / Casablanca, clearing 100% of the acquisition in one satellite pass

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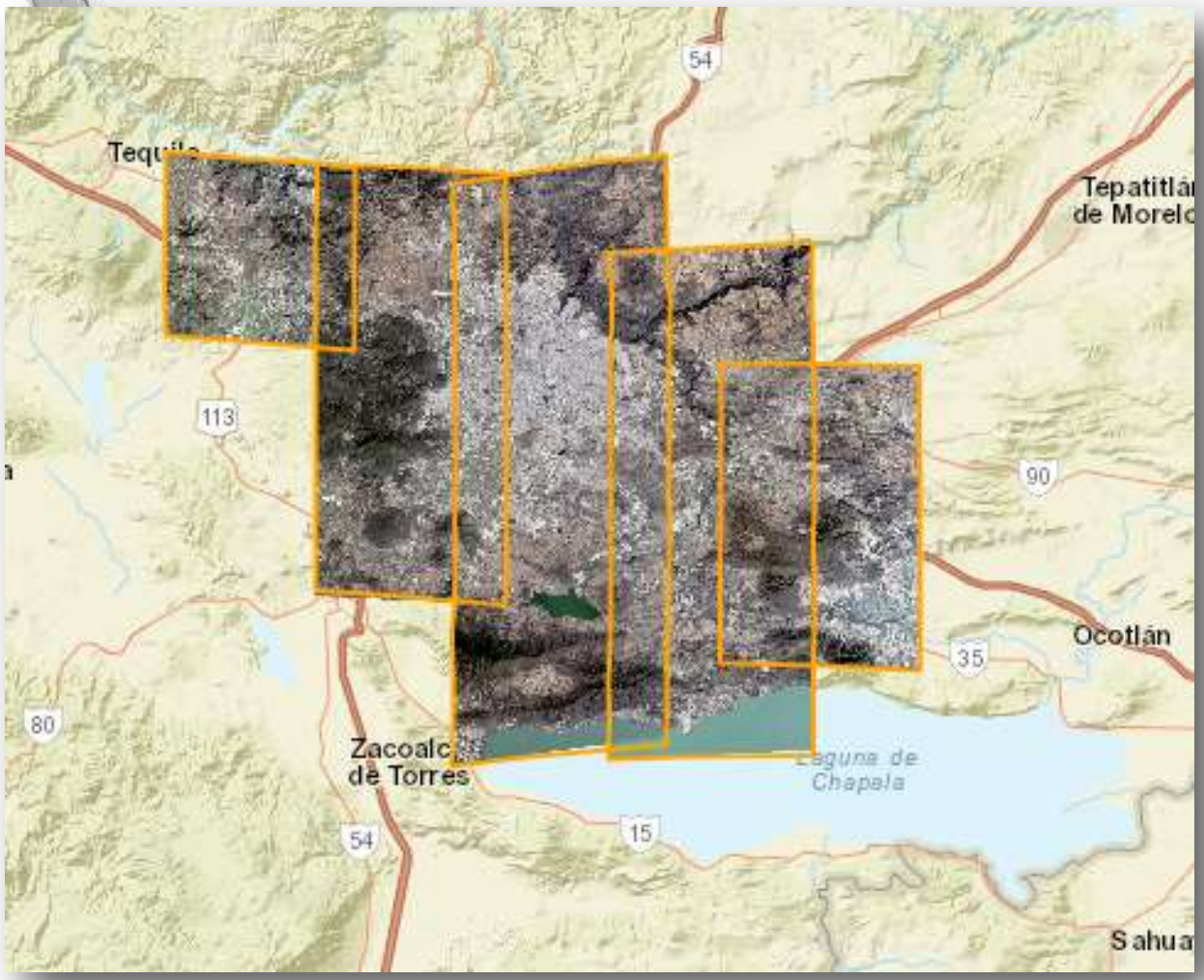
Pléiades: Urban Coverage



5 strips over Guadalajara, Mexico, clearing 100% of the acquisition in one satellite pass

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The World

Every Year at 1.5m

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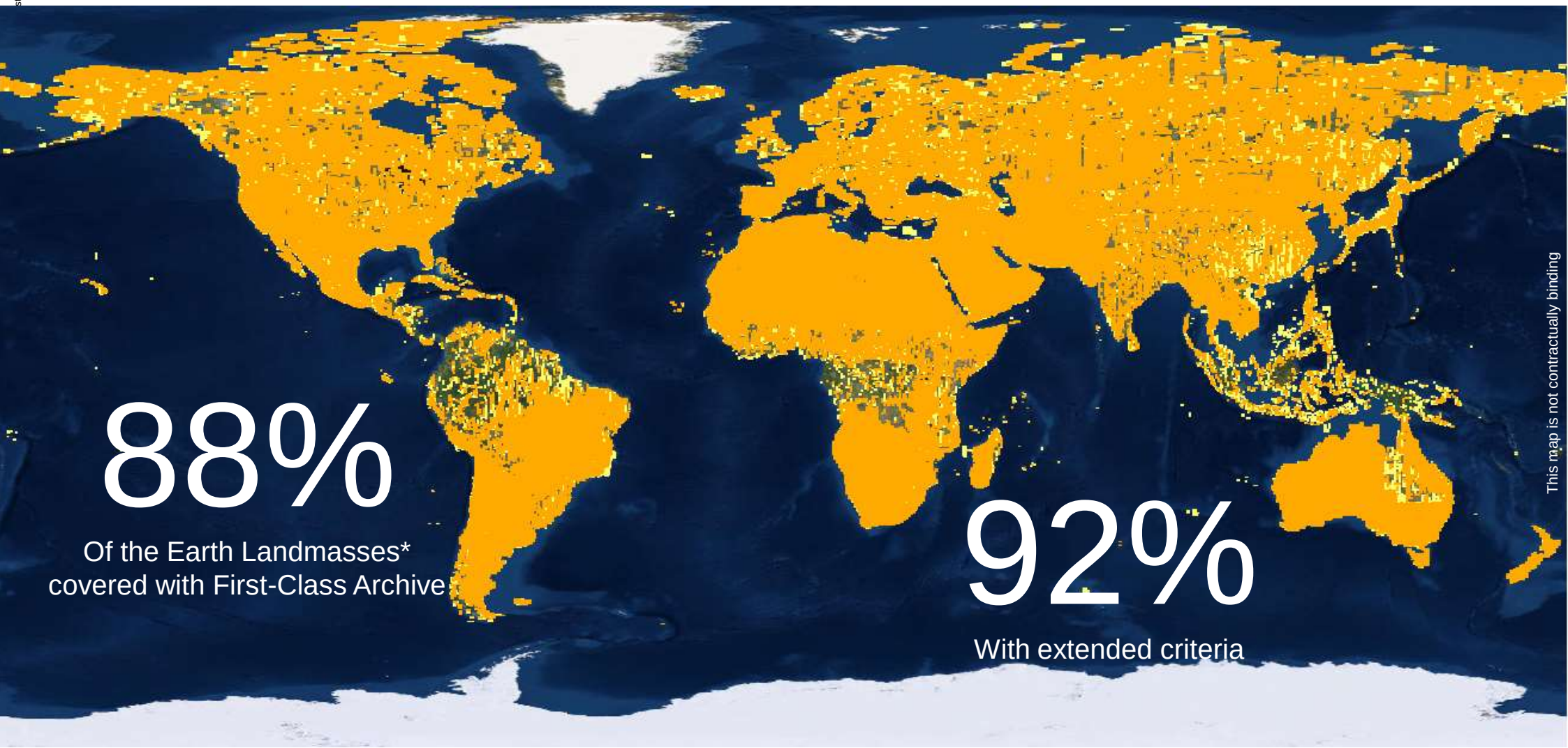
Fresher-Than-A-Year Archive

Status: 2016, Sept. 29



SPOT Archive: 20° angle, 5% cc

SPOT Archive: 30° angle, 15% cc

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* Polar areas excluded

Access!

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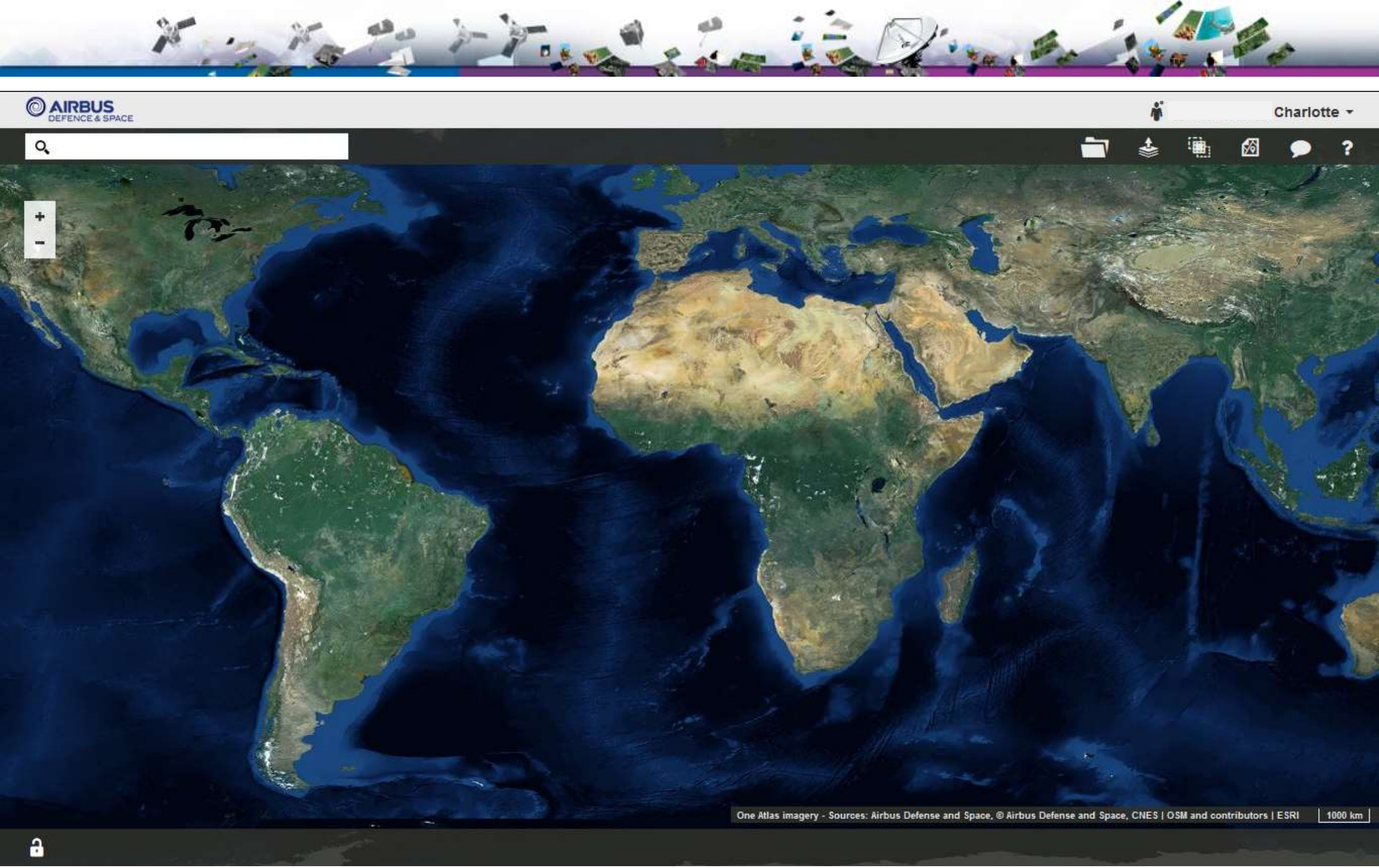

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Easy &
Immediate

Up-to-date &
Consistent

Affordable &
cost-effective

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Already Live in One Atlas

Status: 2016, Sept. 29

One Atlas: 0.5m Imagery

One Atlas: 1.5m First Layer

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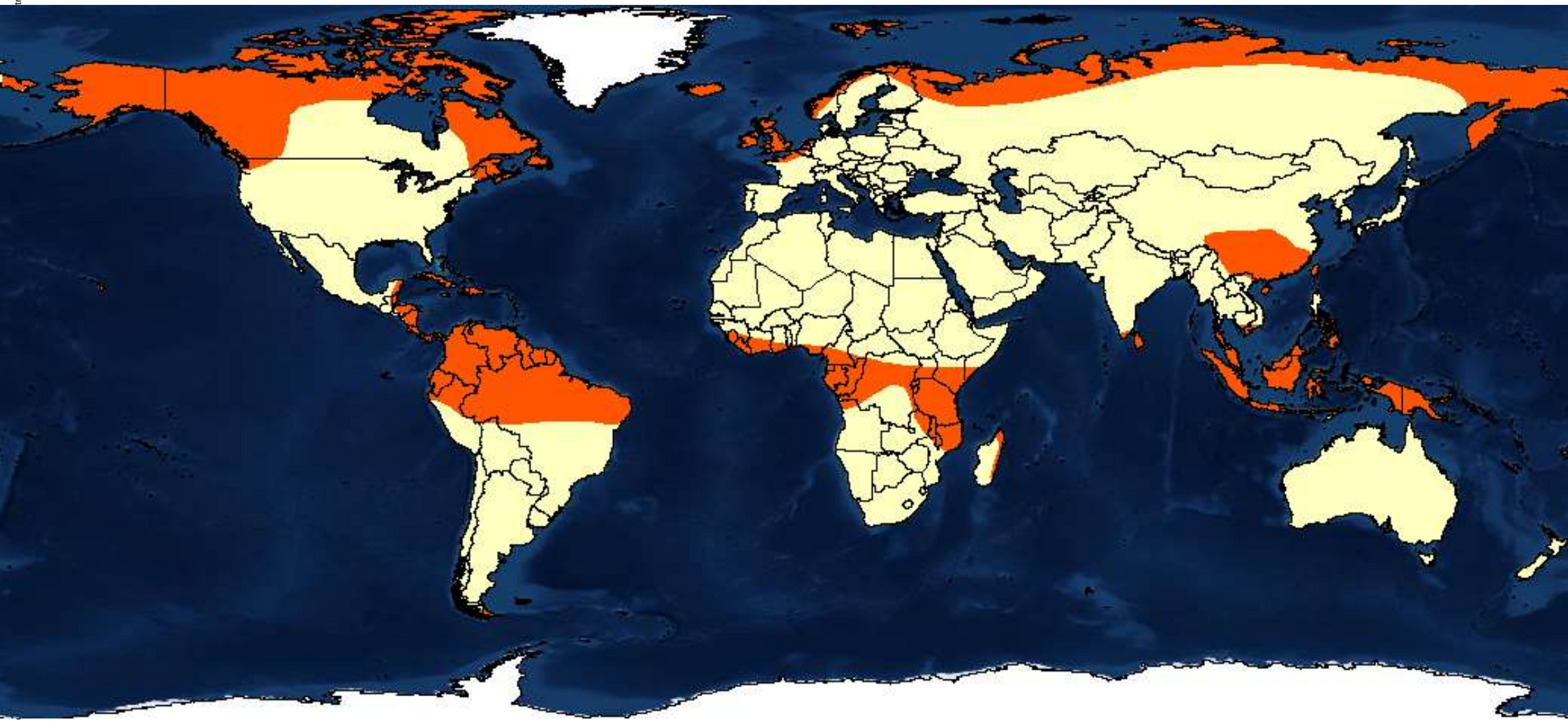
* Polar areas excluded

One Atlas Commitment



Up to 20° angle - 5% clouds - Less than a year @ 90% confidence

Up to 30° angle and/or up to 25% clouds and/or older than a year @ 75% confidence

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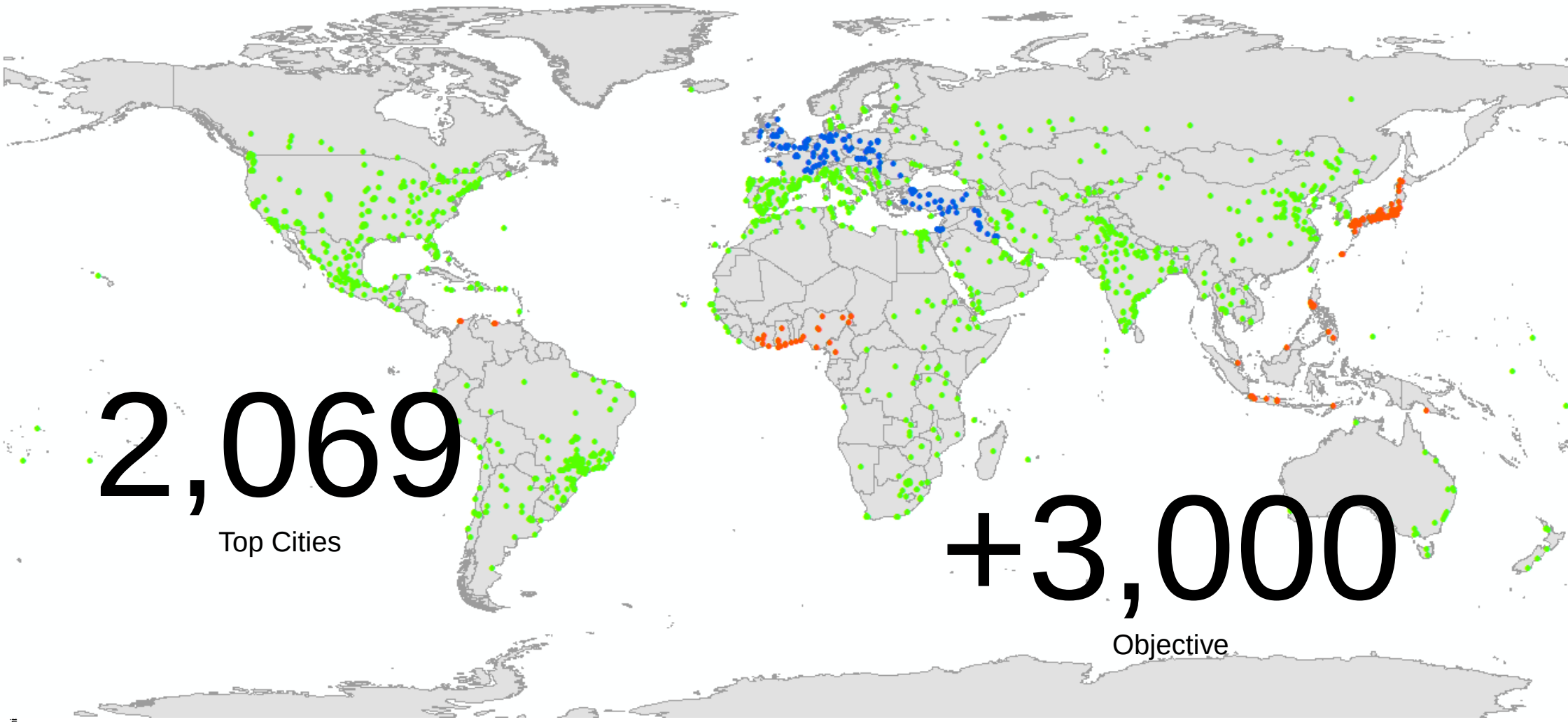
One Atlas Cities Commitment



- 0.5m Imagery – refresh every year
- 0.5m Imagery – refresh every year (best effort)
- 0.5m Imagery – refresh every two years

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Typical Uses Cases

Defense and Security

- Plan missions and operations
- Map, report and update positions, movements, risk areas
- Select transportation routes and access points

Civil Engineering

- Perform preparatory studies for infrastructure planning
- Define and adjust early routing
- Visualize, share and communicate infrastructure impacts

Forest, Environment

- Assess forest and non-forest area extent
- Identify tree cover change or de/reforestation
- Organize tree count or replanting

Oil, Gas and Mining

- Prepare ground scouting / exploration in the field
- Plan / implement a new facility
- Check environmental site restoration after exploitation

Agriculture

- Delineate parcel boundaries
- Map agricultural lands and crop species
- Track and trace tractors and irrigation assets

Location Based Services

- Widen and refresh imagery database
- Detect quickly where map updates are required
- Locate mobile assets, track and trace them

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2 Options

ONE VIEW

Cost-effective and
consistent snapshot

ONE LIVE

Top quality,
never ageing basemap

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Core Product Options

	ONE VIEW	ONE LIVE
Image selection	Handpicked images, driven by cloud minimization and seasonality consistency	
Content refresh	None	Dynamic, as per refresh commitment. Faster refresh option* upon feasibility

*Submitted to uplift

AIRBUS DEFENCE & SPACE

Core Product Options

	ONE VIEW	ONE LIVE
Image selection	Handpicked images, driven by cloud minimization and seasonality consistency	
Content refresh	None	Dynamic, as per refresh commitment. Faster refresh option* upon feasibility
Editor[1]	Disabled	Enabled

(1) Tool enabling to change the order in which the images are displayed - - *Submitted to uplift

AIRBUS DEFENCE & SPACE

Core Product Options

	ONE VIEW	ONE LIVE
Image selection	Handpicked images, driven by cloud minimization and seasonality consistency	
Content refresh	None	Dynamic, as per refresh commitment. Faster refresh option* upon feasibility
Editor[1]	Disabled	Enabled
Vintage option[2*]	Yes, previous OneView layers	Yes, OneLive imagery with a starting date defined by the user

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(1) Tool enabling to change the order in which the images are displayed - - (2) Coming soon - - *submitted to uplift

3 Licenses

Internal	External Non Commercial	External Commercial
For those who want imagery to perform their own daily operations	For organizations needing to share the data with others to perform their mission	For the ones that target to generate / secure revenues thanks to the dataset

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Examples

Internal	External Non Commercial	External Commercial
A big O&G company A Ministry of Defense	A Ministry of Agriculture wishing that farmers digitalize theirs parcels on an online basemap	LBS actors for map update SMEs selling information they extract from the data

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3 Delivery Options

Streaming	Digital Copy Tiles	Digital Copy Segments
WMS, WMTS, WFS <1s for one TMS tile (256x256 px.)	Global Ortho Layer Tiles (256 x 256 px, mixed PNG and JPEG)	Individual Orthoimages JPEG 2000 Optimized

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Delivery Options

	Streaming	Digital Copy[1]	
		Tiles	Imagery Segments
Spectral bands	RGB	RGB	RGB & NIR

(1) The digital copy option must be selected ab initio, in the initial order form.

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Delivery Options

	Streaming	Digital Copy[1]	
		Tiles	Imagery Segments
Spectral bands	RGB	RGB	RGB & NIR
Pixel depth	8 bits	8 bits	8 bits

(1) The digital copy option must be selected ab initio, in the initial order form.

Delivery Options

	Streaming	Digital Copy[1]	
		Tiles	Imagery Segments
Spectral bands	RGB	RGB	RGB & NIR
Pixel depth	8 bits	8 bits	8 bits
Geometric processing	Global ortho layer Geographic (WGS 84) Web Mercator	Global ortho layer tiles Geographic (WGS 84) or Web Mercator	Individual orthoimages Geographic (WGS 84)

(1) The digital copy option must be selected ab initio, in the initial order form.

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Delivery Options

	Streaming	Digital Copy[1]	
		Tiles	Imagery Segments
Spectral bands	RGB	RGB	RGB & NIR
Pixel depth	8 bits	8 bits	8 bits
Geometric processing	Global ortho layer Geographic (WGS 84) Web Mercator	Global ortho layer tiles Geographic (WGS 84) or Web Mercator	Individual orthoimages Geographic (WGS 84)
Delivery	• Imagery: WMS, WMTS <1s for one TMS tile (256x256 px) • Metadata: WFS, WMS	Tiles (256 x 256 px, mixed PNG and JPEG) Batch delivery through our cloud platform[2]	JPEG 2000 Optimized Batch delivery through our cloud platform[2]

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(1) The digital copy option must be selected ab initio, in the initial order form. - - (2) Frequency to be agreed upon feasibility.

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The satellite image library

Appendixes

ONE VIEW ONE LIVE

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Content Specifications

Product resolution	1.5m (globally), 0.5m (top cities)		
Geolocation accuracy	10m CE 90 specification		
Radiometric processing	Pansharpened with atmospheric and light corrections (reflectance) to ensure aesthetics finishing and facilitate visual change detection		
Global layer 1.5m Refresh commitment	**Angle (incidence)**	**Cloud**	**Age**
• Regular areas @ 90% confidence	< 20°; and	< 5%; and	< One year
• Difficult areas @ 75% confidence	< 30°; and/or	< 25%; and/or	> One year
Cities layer 0.5m Refresh commitment	< 20°; and	< 2%; and	Refer to map

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Core Product Options

	ONEVIEW	ONELIVE
Image selection	Handpicked images, driven by cloud minimization and seasonality consistency	
Content refresh	None	Dynamic, as per refresh commitment. Faster refresh option* upon feasibility
Editor[1]	Disabled	Enabled
Vintage option[2*]	Yes, previous OneView layers	Yes, OneLive imagery with a starting date defined by the user

AIRBUS DEFENCE & SPACE

(1) Tool enabling to change the order in which the images are displayed - - (2) Coming soon - - *submitted to uplift

Delivery Options

	Streaming	Digital Copy[1]	
		Tiles	Imagery Segments
Spectral bands	RGB	RGB	RGB & NIR
Pixel depth	8 bits	8 bits	8 bits
Geometric processing	Global ortho layer Geographic (WGS 84) Web Mercator	Global ortho layer tiles Geographic (WGS 84) or Web Mercator	Individual orthoimages Geographic (WGS 84)
Delivery	• Imagery: WMS, WMTS <1s for one TMS tile (256x256 px) • Metadata: WFS, WMS	Tiles (256 x 256 px, mixed PNG and JPEG) Batch delivery through our cloud platform[2]	JPEG 2000 Optimized Batch delivery through our cloud platform[2]

AIRBUS DEFENCE & SPACE

(1) The digital copy option must be selected ab initio, in the initial order form. - - (2) Frequency to be agreed upon feasibility.