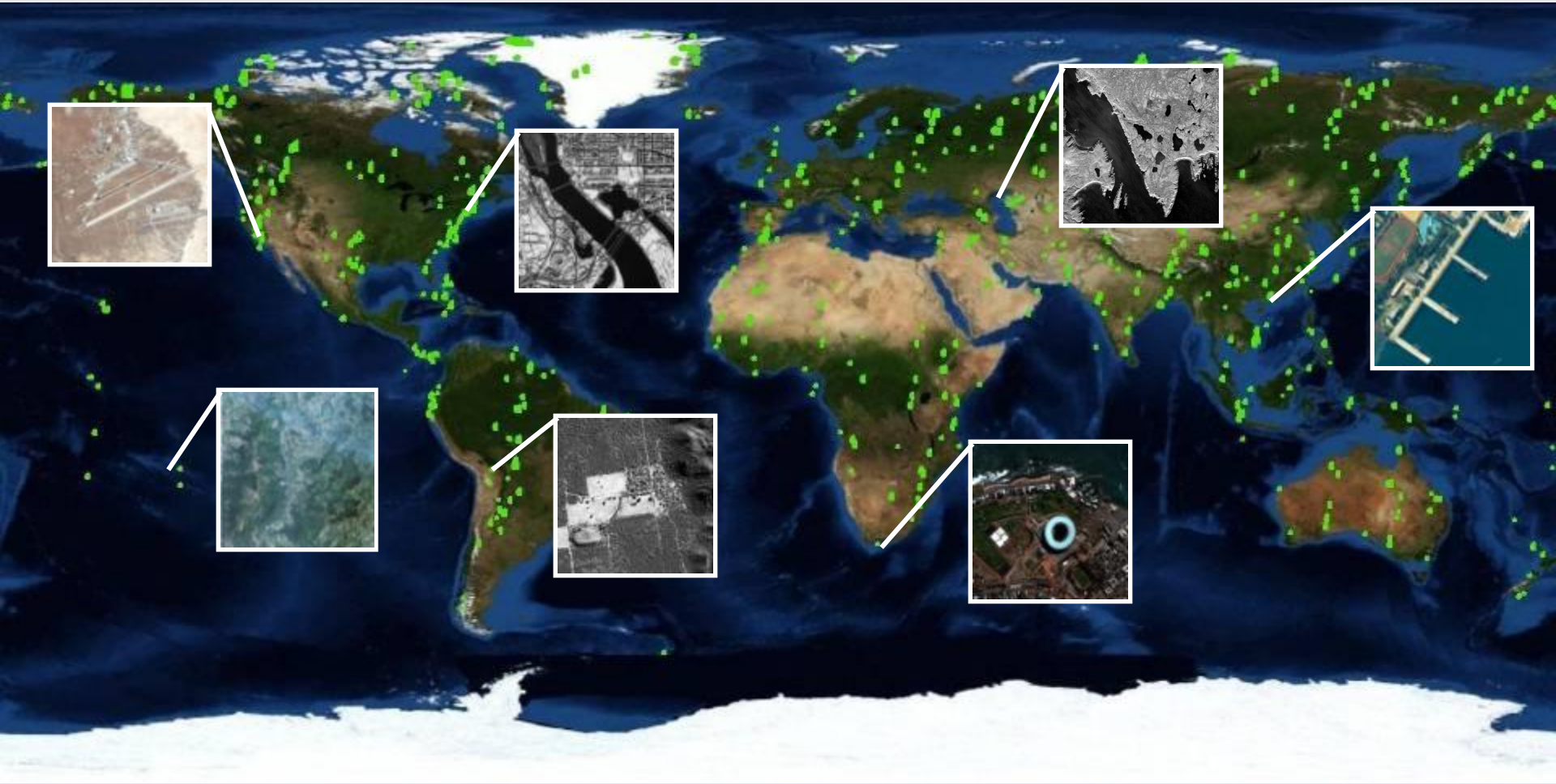
MundoGeo Connect 2011

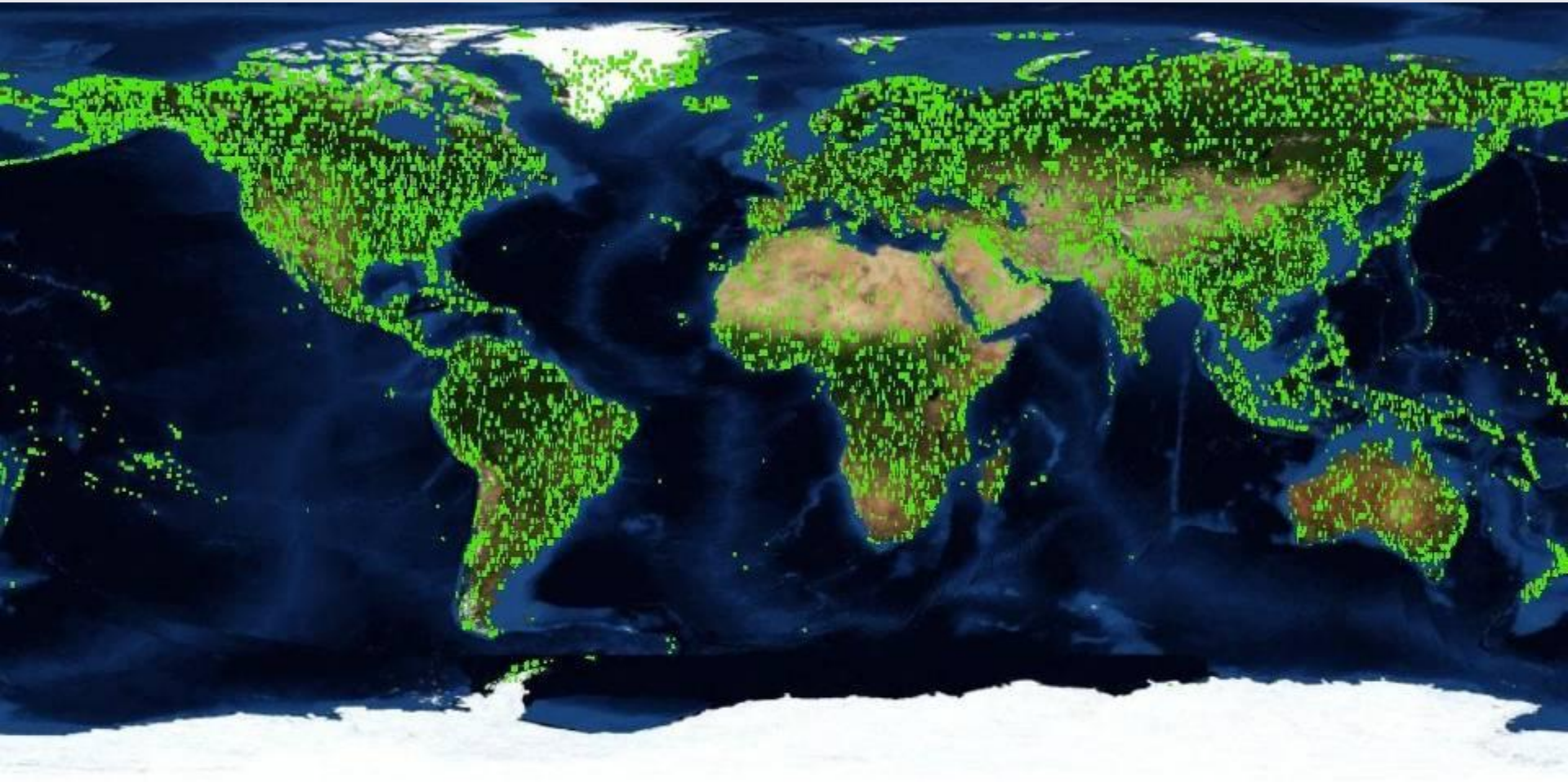
DigitalGlobe

- **Dados Gratuitos x Dados Pagos**

One Day of Collection



30 Days of Collection



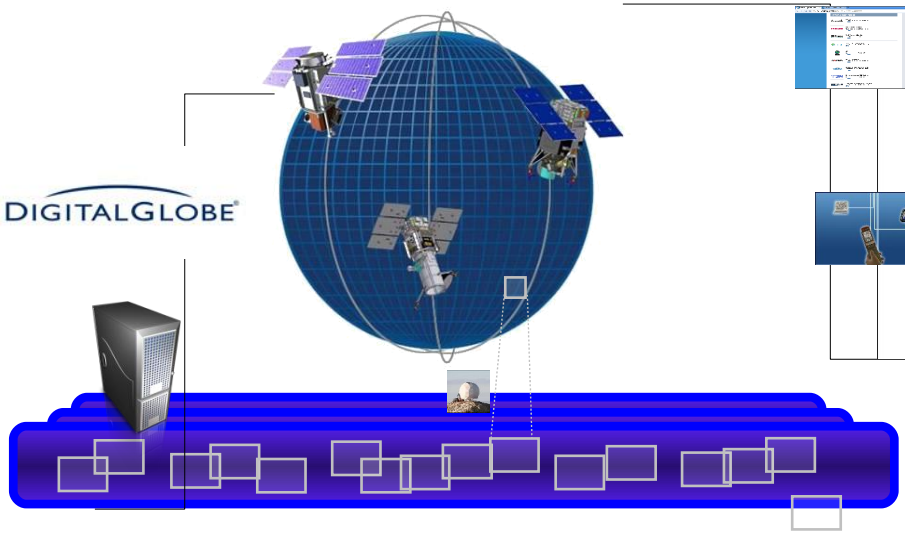
Reliable Currency and Refresh (worst case)

More Accesses:
- 28 total accesses
- Panchromatic: 28
- Multispectral: 19
- Stereo Access: 22

Better Collection:
- 7 Intraday revisits

Faster Refresh

Results based on 30º off nadir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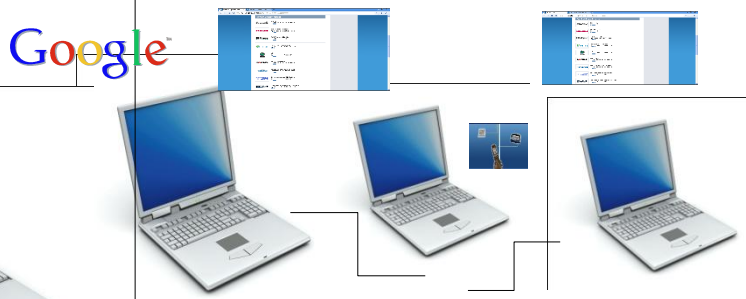
Google


ORACLE


DIGITALGLOBE

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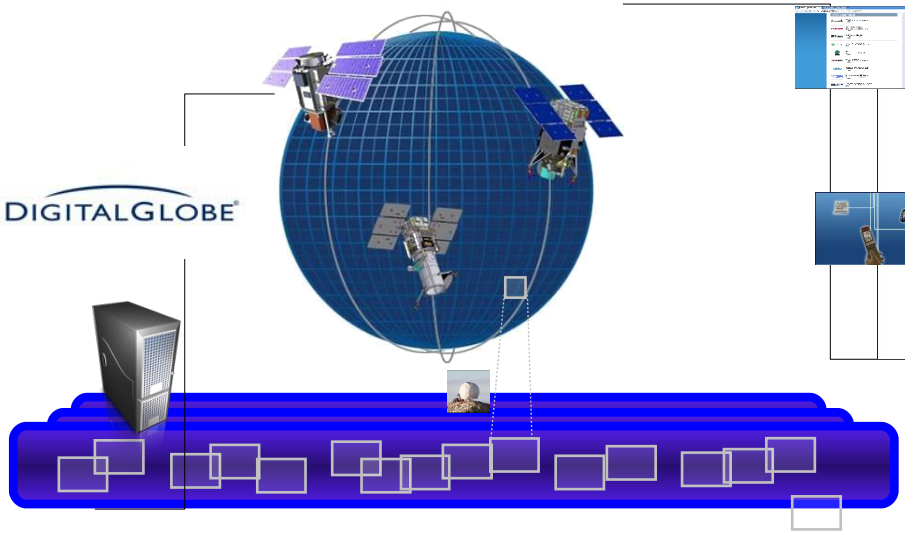

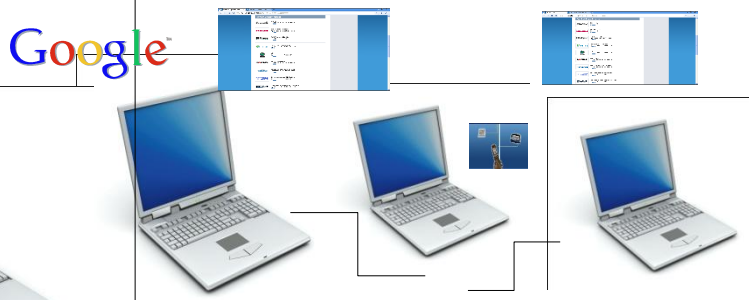

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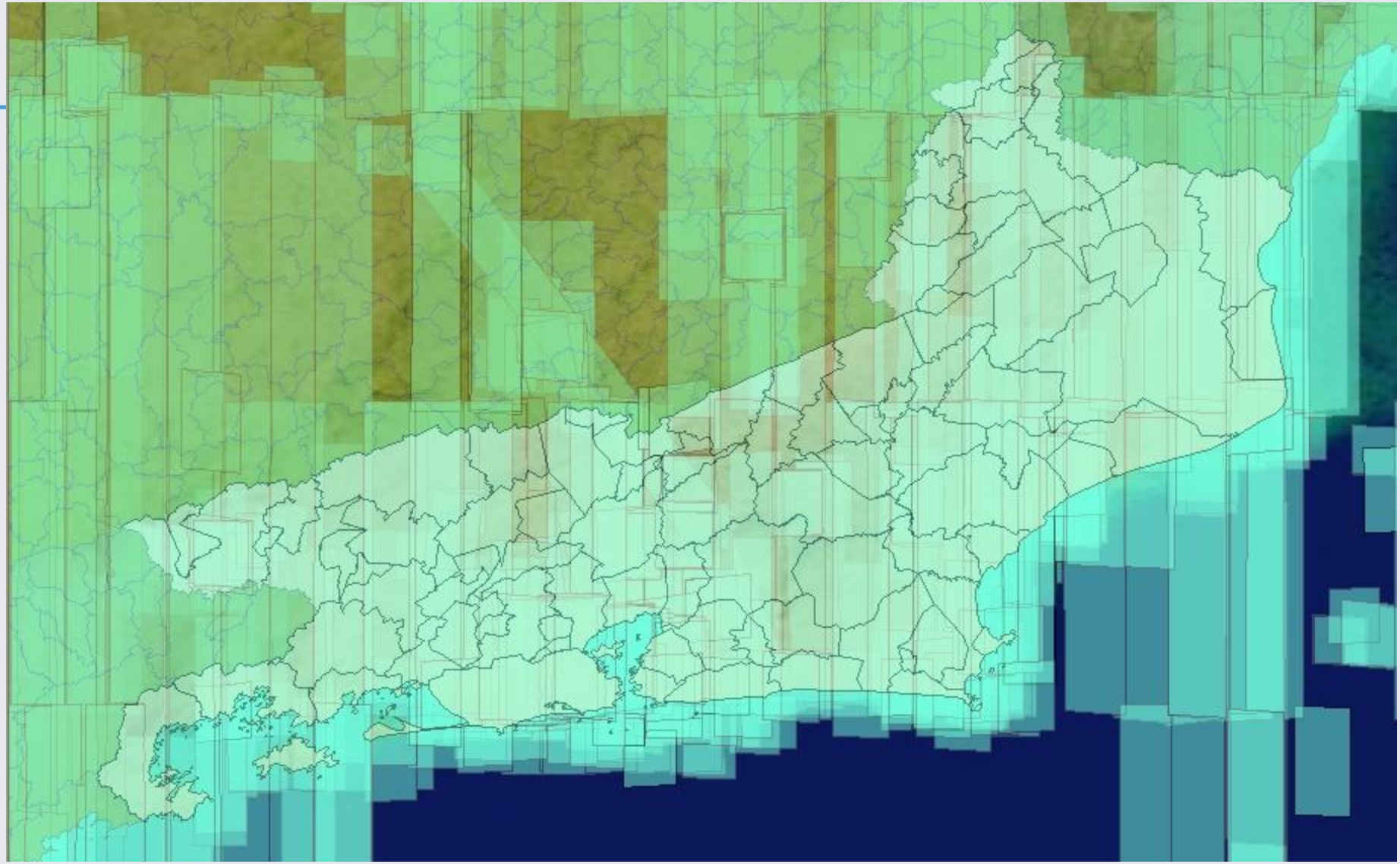

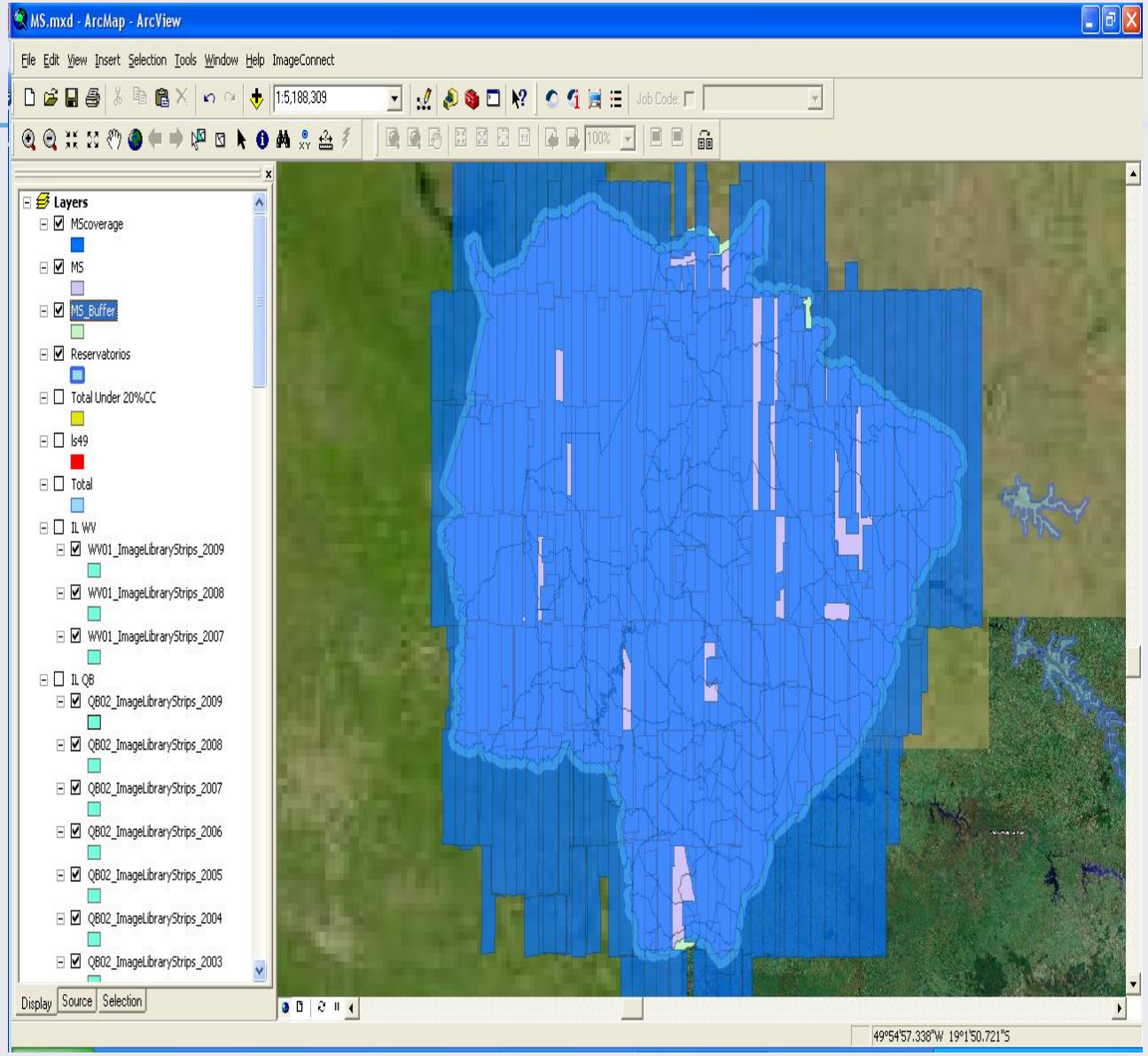

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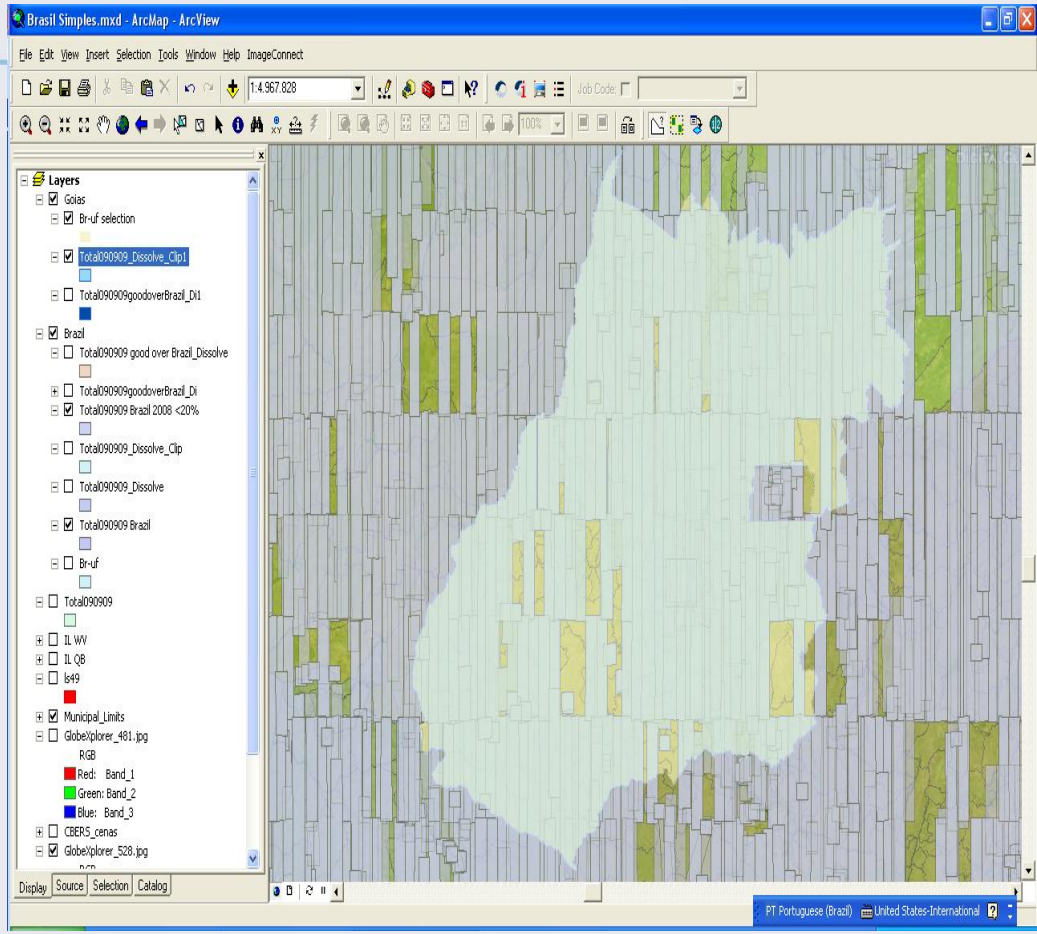
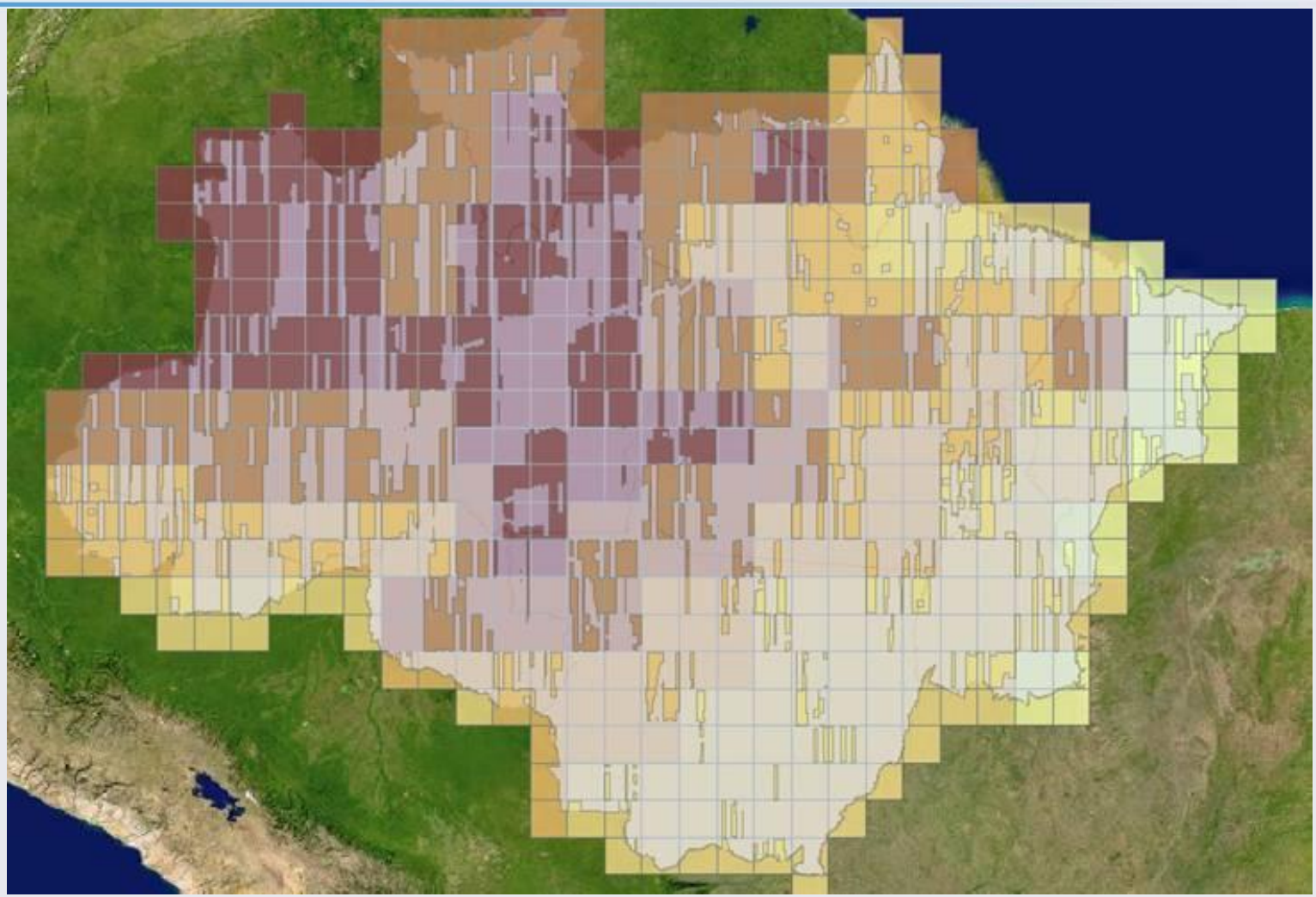
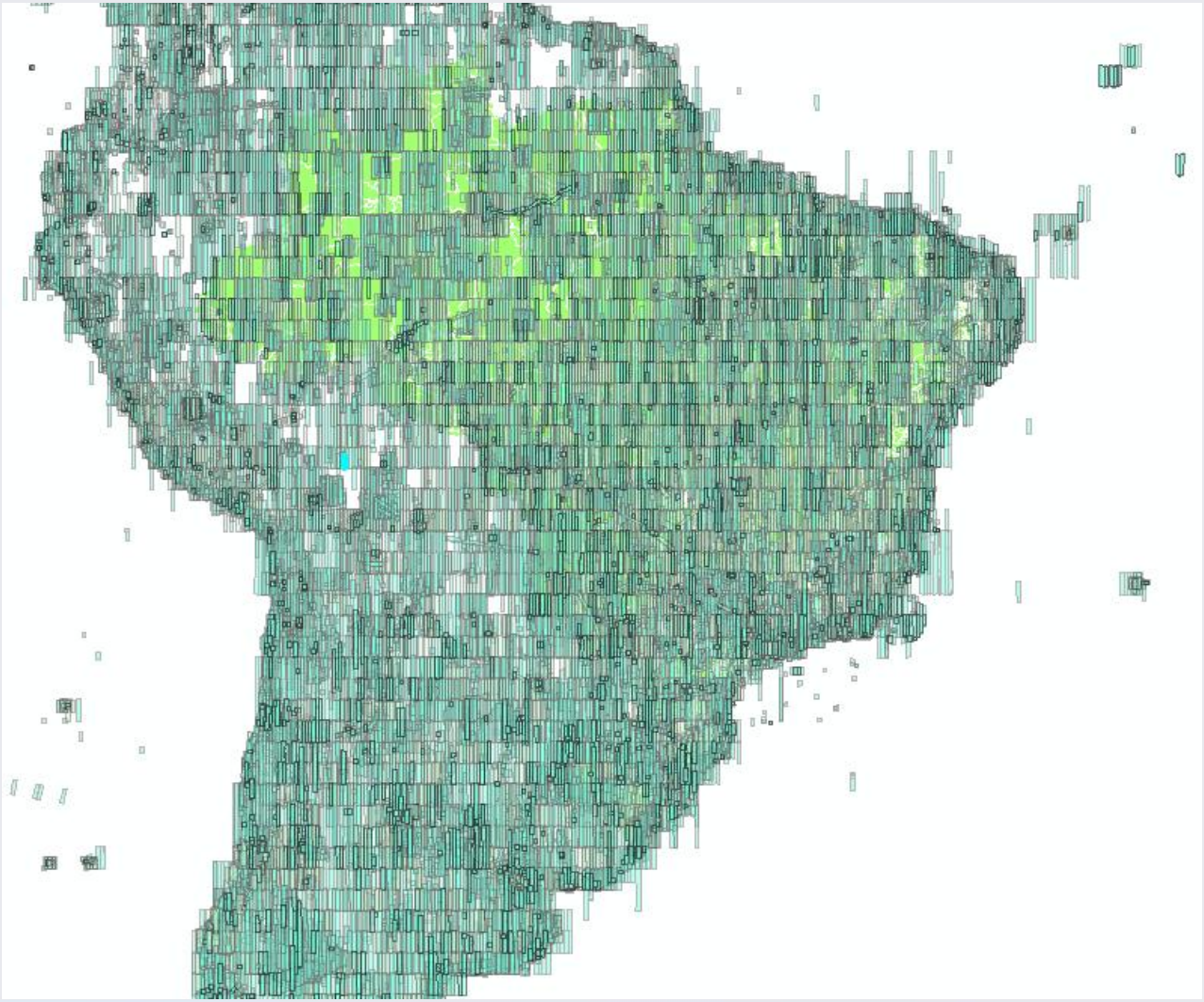


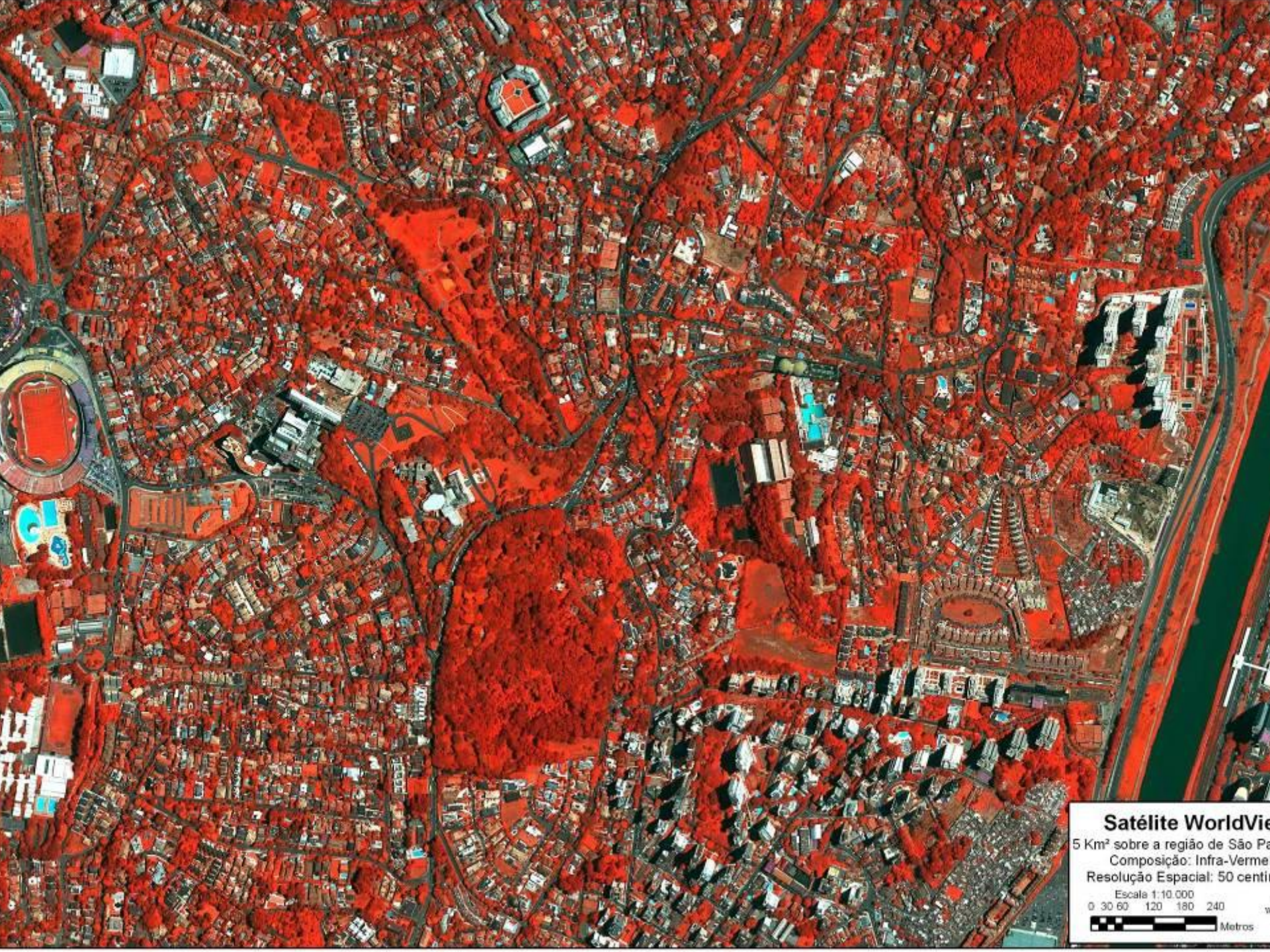


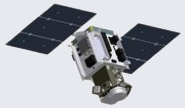
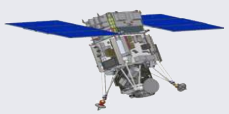
The Most Agile Satellite in the World
ImageLibrary content over Brazil




Satélite WorldVie
5 Km² sobre a região de São Pa
Composição: Cores Verdad
Resolução Espacial: 50 centí
Escala 1:10.000
0 30 60 120 180 240
Metros


Satélite WorldVie
5 Km² sobre a região de São Pa
Composição: Cores Natur
Resolução Espacial: 50 centí
Escala 1:10.000
0 30 60 120 180 240
Metros

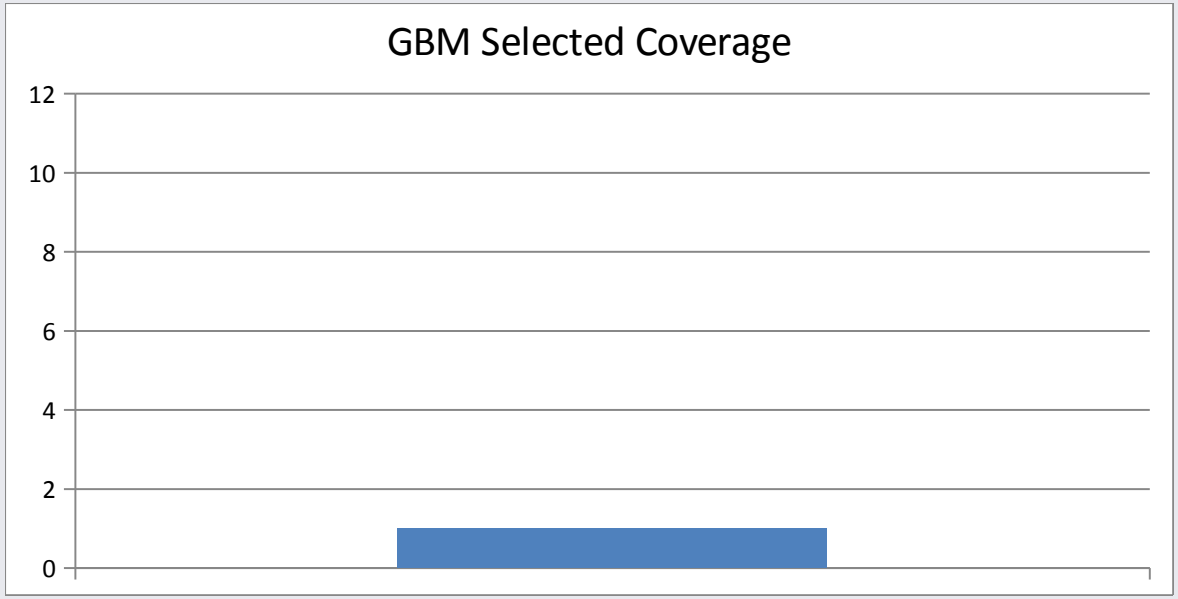

Satélite WorldVie
5 Km² sobre a região de São Pa
Composição: Infra-Verme
Resolução Espacial: 50 centi
Escala 1:10.000
0 30 60 120 180 240
Metros


	QuickBird	WorldView-1	WorldView-2
Operational Altitude	450 km	450 km	770 km
Weight Class	900 Kg (2000 lbs)	2,500 Kg (5,500 lbs)	2,745 Kg (6,050 lbs)
Spectral Characteristics	Pan / 4 MS	Pan	Pan / 8 MS
Panchromatic Resolution (nadir)	0.61 meters	0.46 meters (0.5 m)	0.46 meters (0.5 m)
Multispectral Resolution (nadir)	2.4 meters	NA	1.8 meters (2.0 m)
Swath Width	16.5 km	16.4 km	16.4 km
Ave. Revisit (to 40° latitude target)	3.5 days	2 days	1 day
Monoscopic Area Coverage	1 X	4.5X per satellite	
Single-Pass Stereoscopic Coverage	Single Scene (<10° off nadir)	2 x 2 Scenes (<30° off nadir) 1X10 Scenes (<30° off nadir)	
Primary Attitude Control Mechanism	Reaction Wheels	Control Moment Gyros	
Onboard Storage	137 Gbits	1600 Gbits	
Wideband Link Rate	320 Mbps	800 Mbps	
Rapid Delivery Options	Virtual Ground Terminal (VGT)	Direct Downlink, VGT	

Brazil Current Coverage

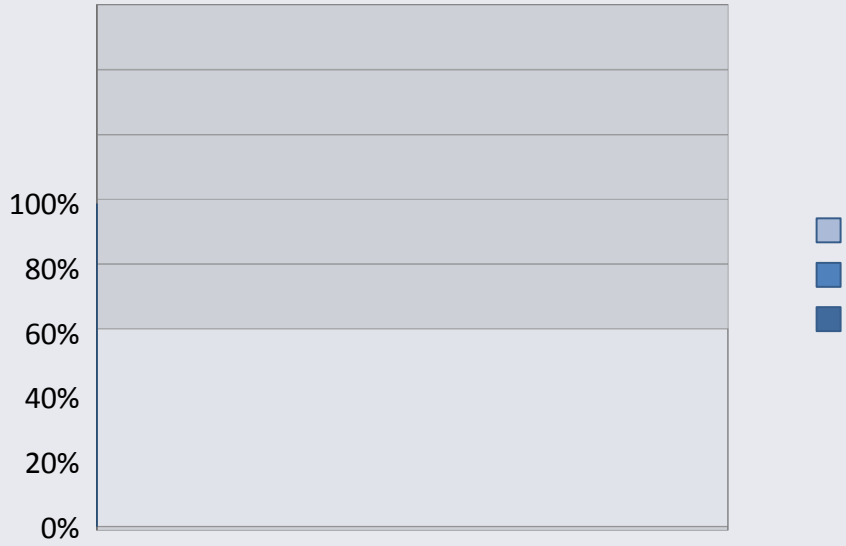
- Over 75% of the country is covered with high resolution images with no clouds
- Over 40% of the coverage is less than 4 years old
- ~ 30% of the coverage is from high accuracy products (WV1 and WV2)

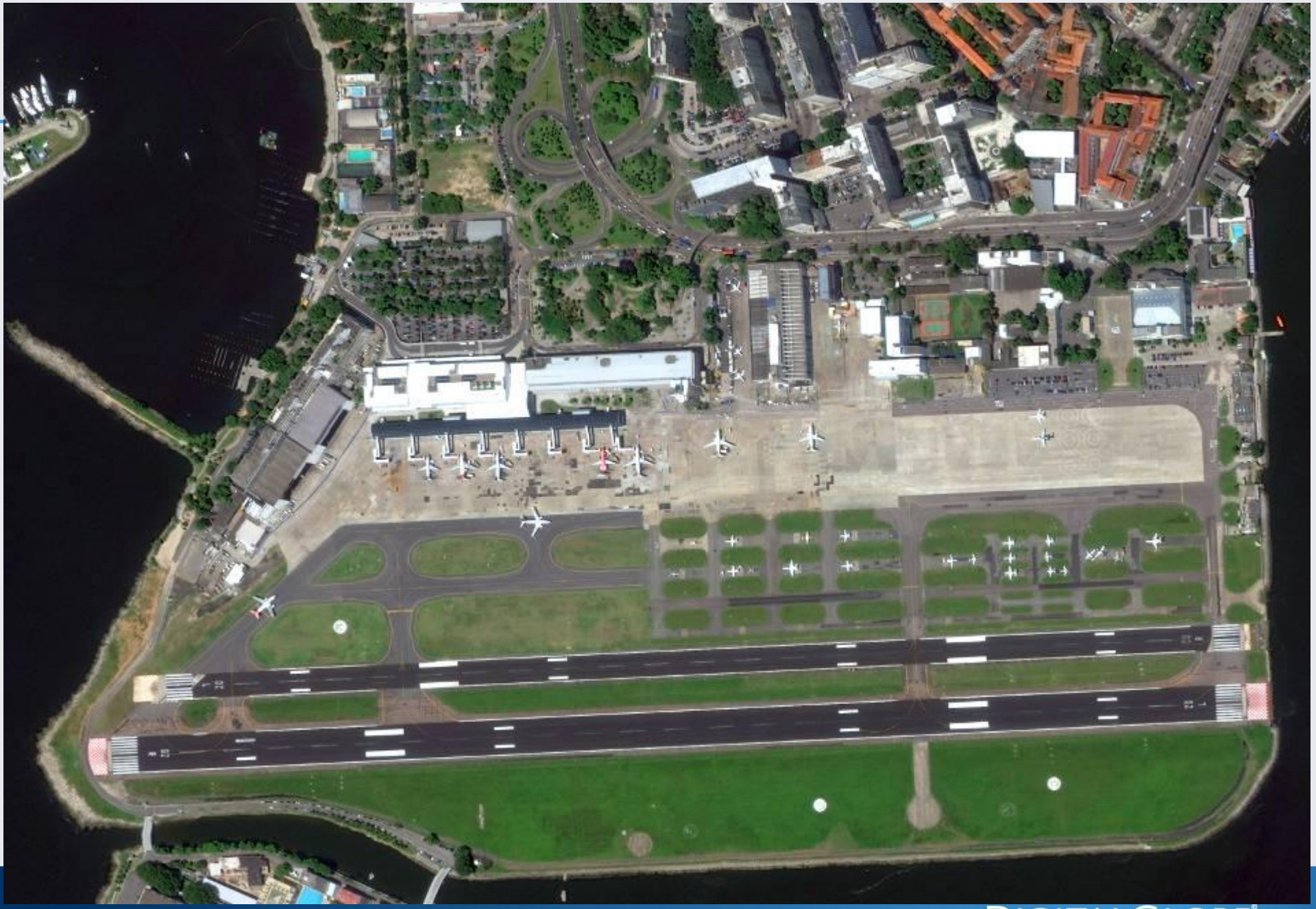


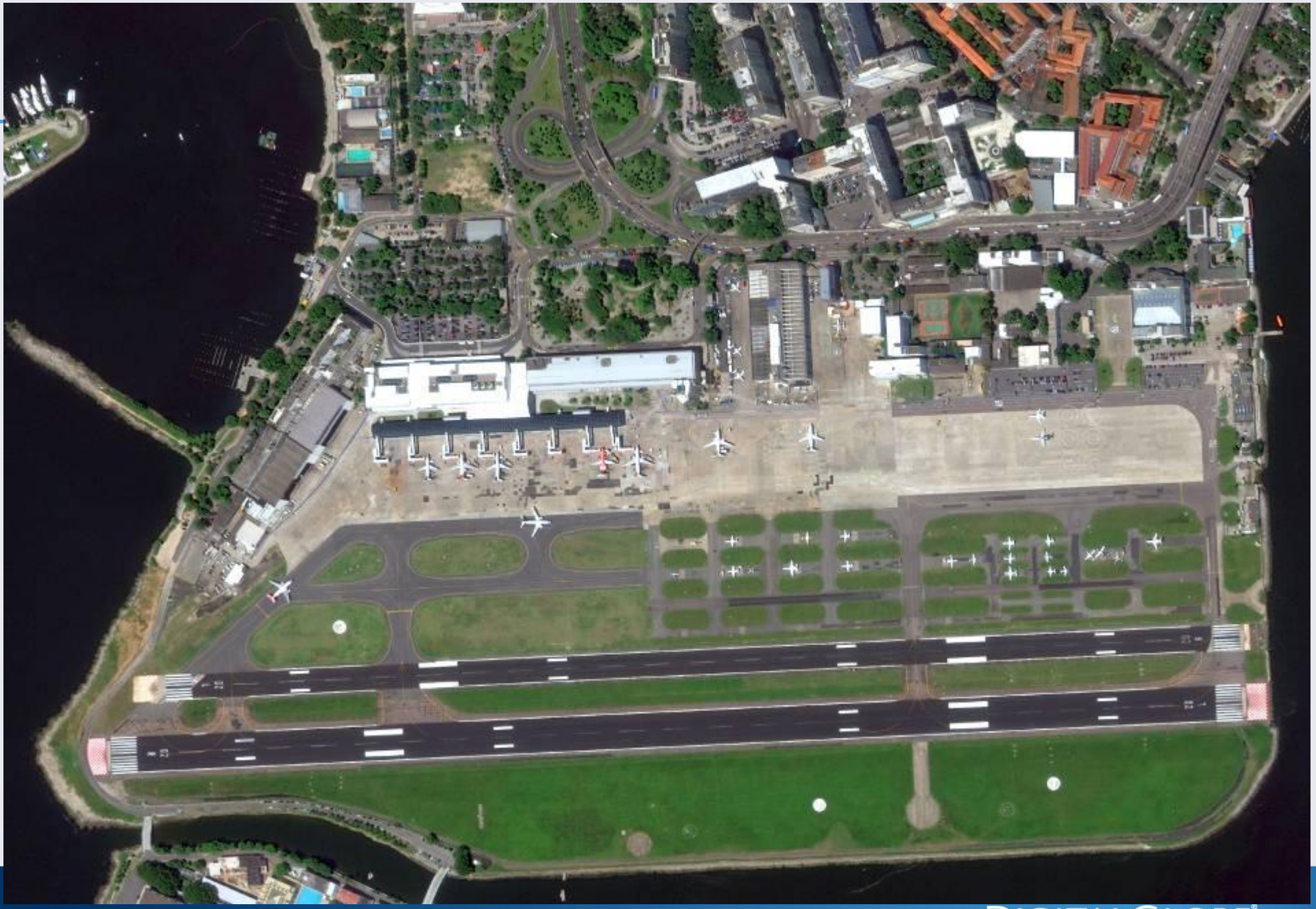
Estimated future coverage

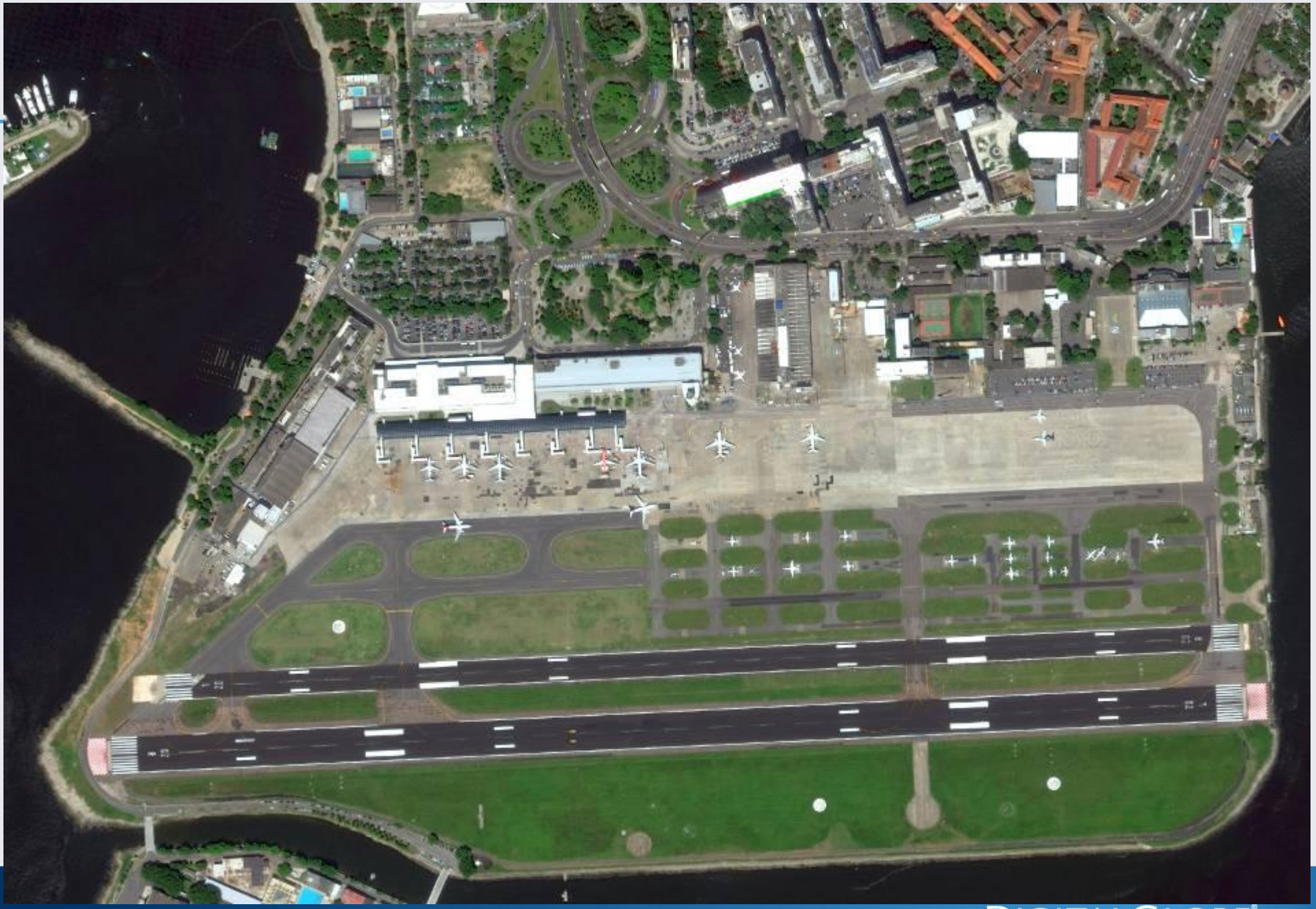
- Minimum of 1M sq. km. of fresh imagery will be collected, every year

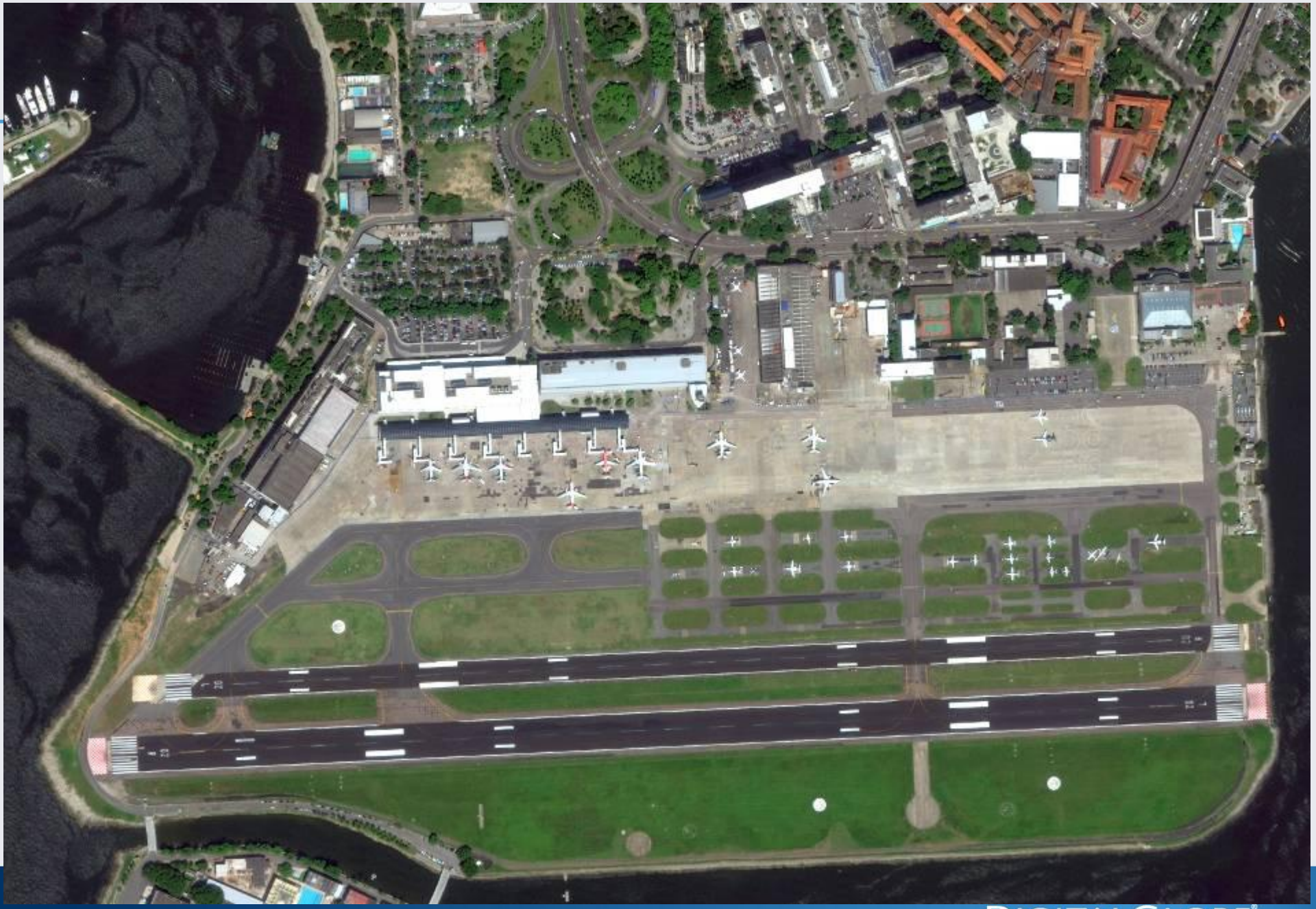
Minimum Target Coverage no clouds over Brazil (km2)				Total Coverage
	QB	WV1	WV2	
2011	200,000	350,000	450,000	1,000,000
2012	200,000	350,000	450,000	1,000,000
2113	200,000	350,000	450,000	1,000,000

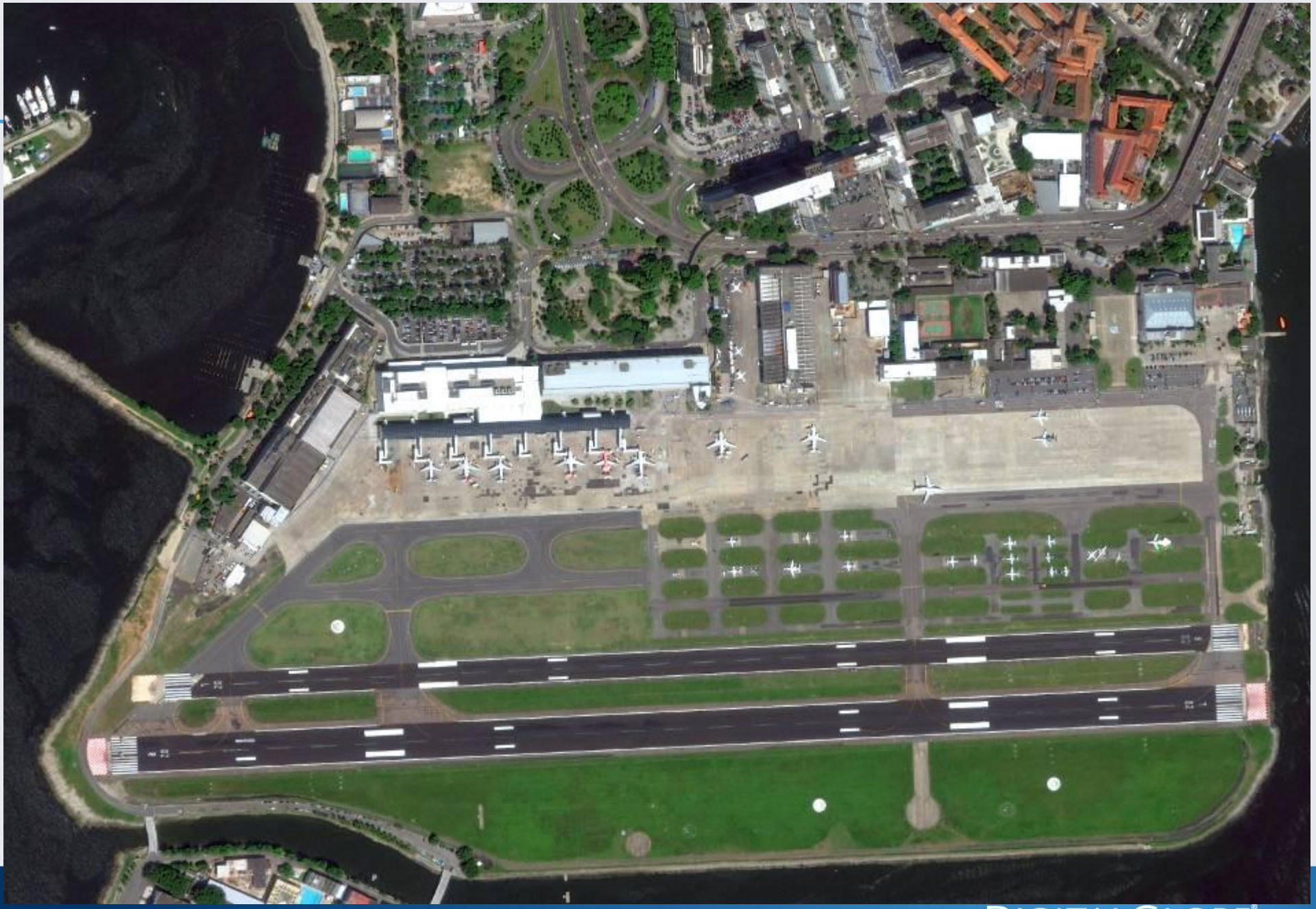


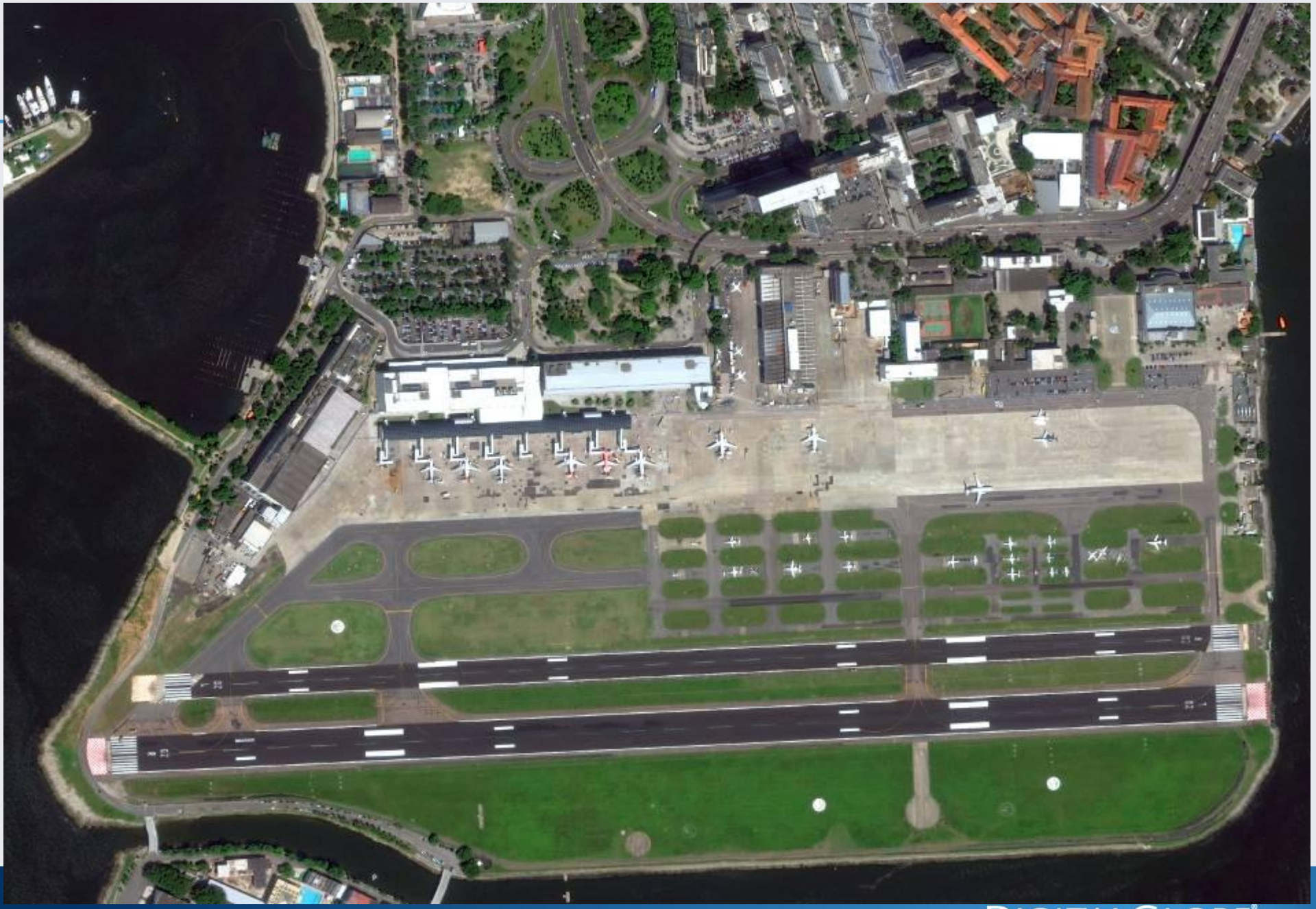


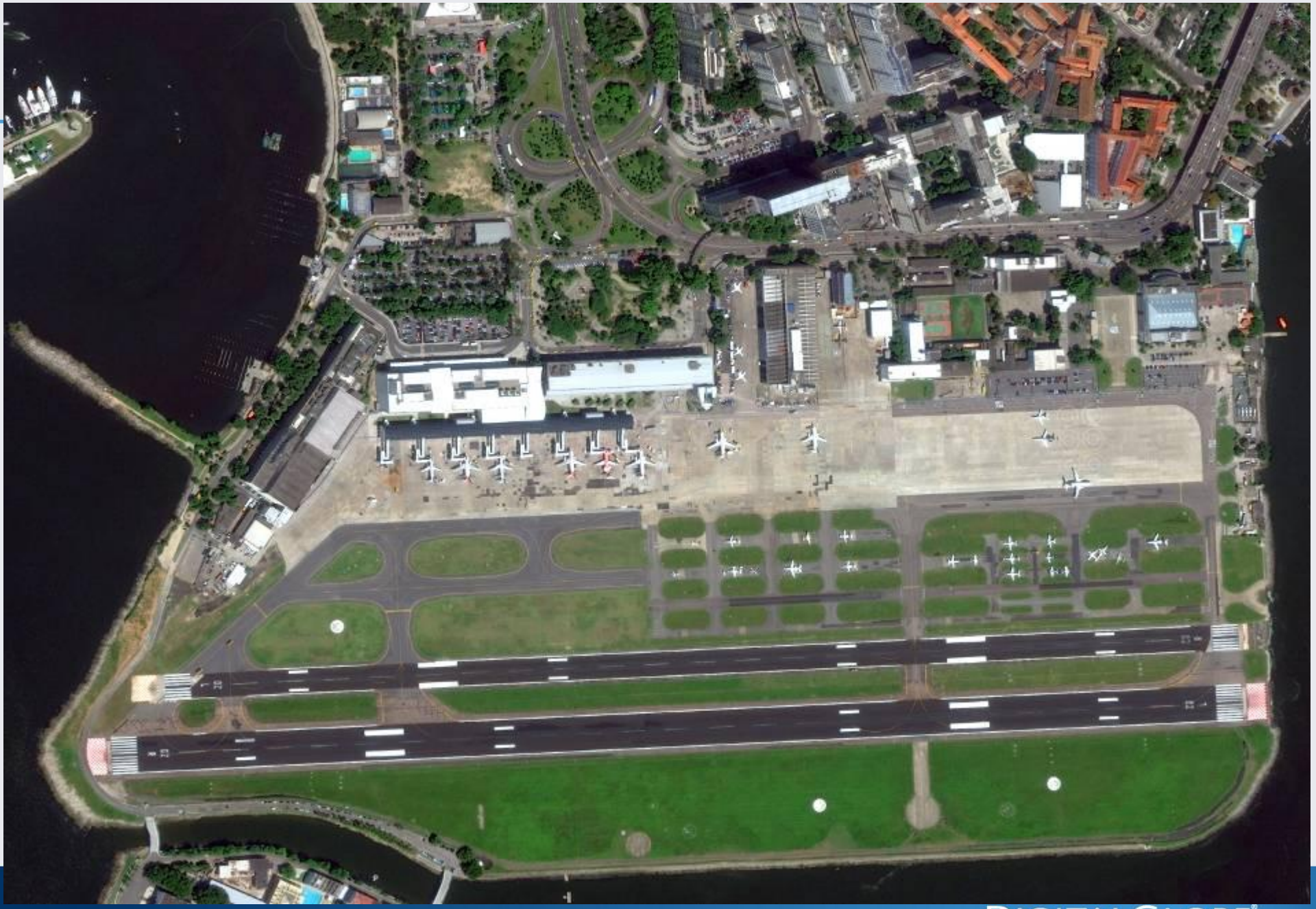


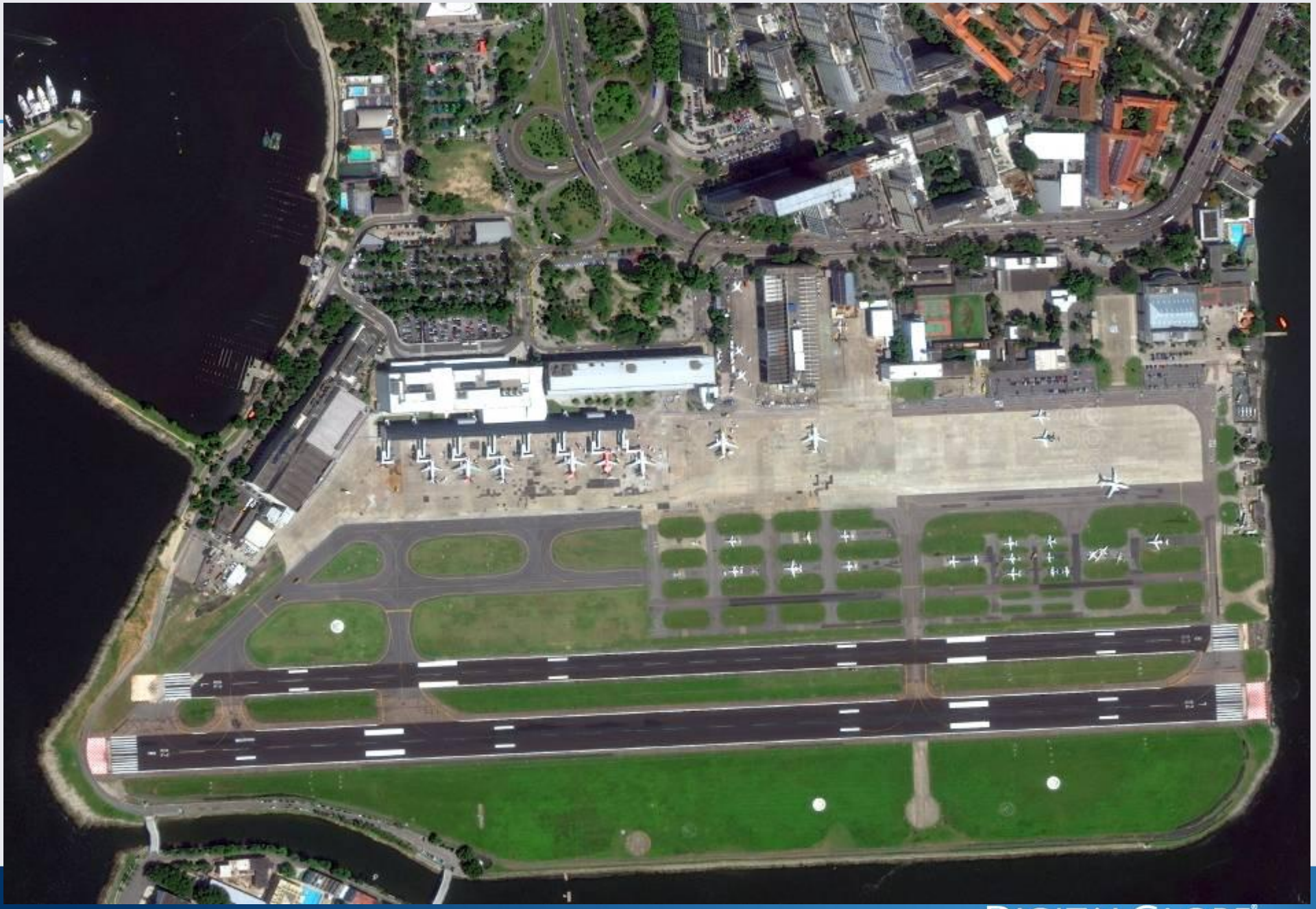


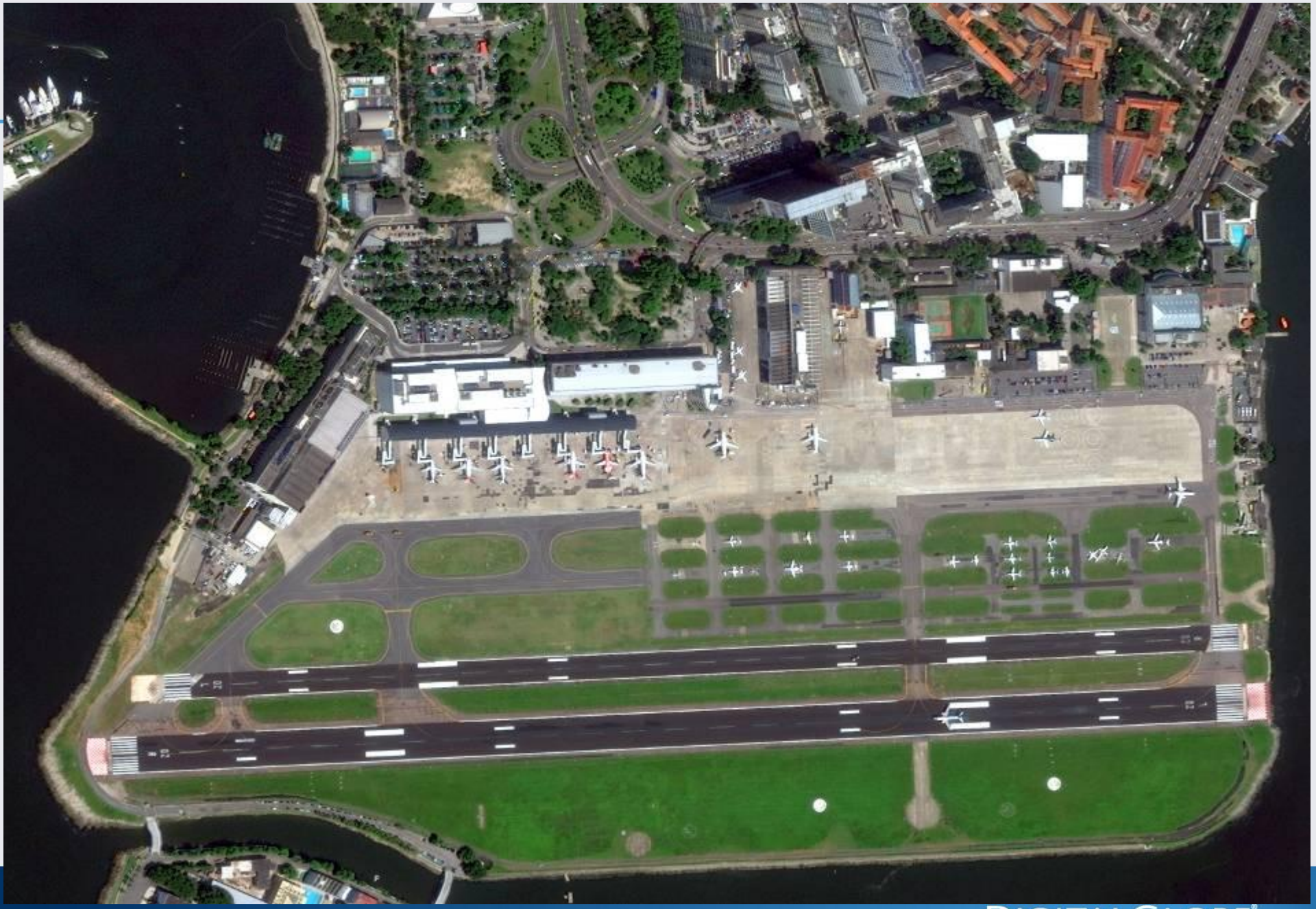


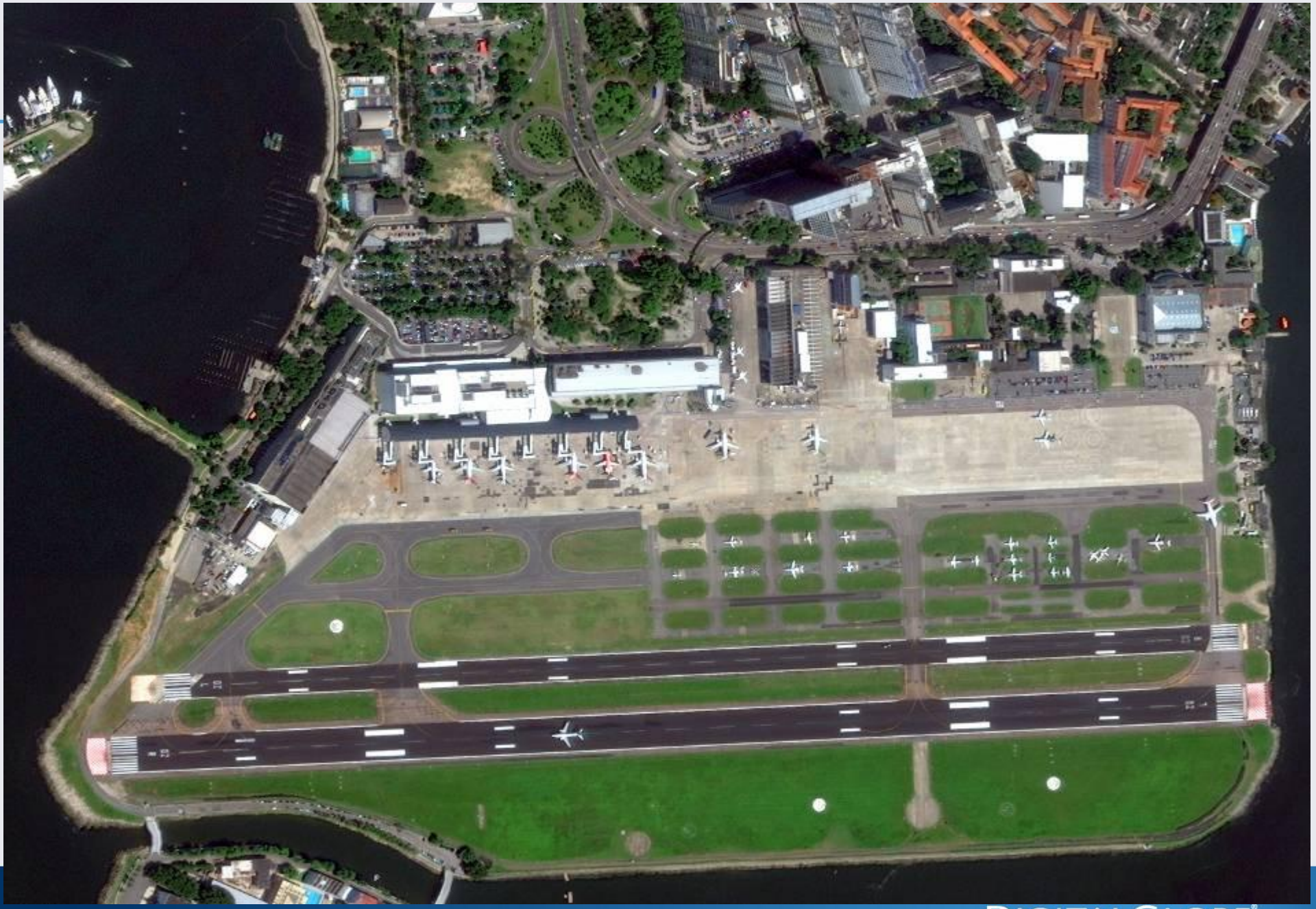


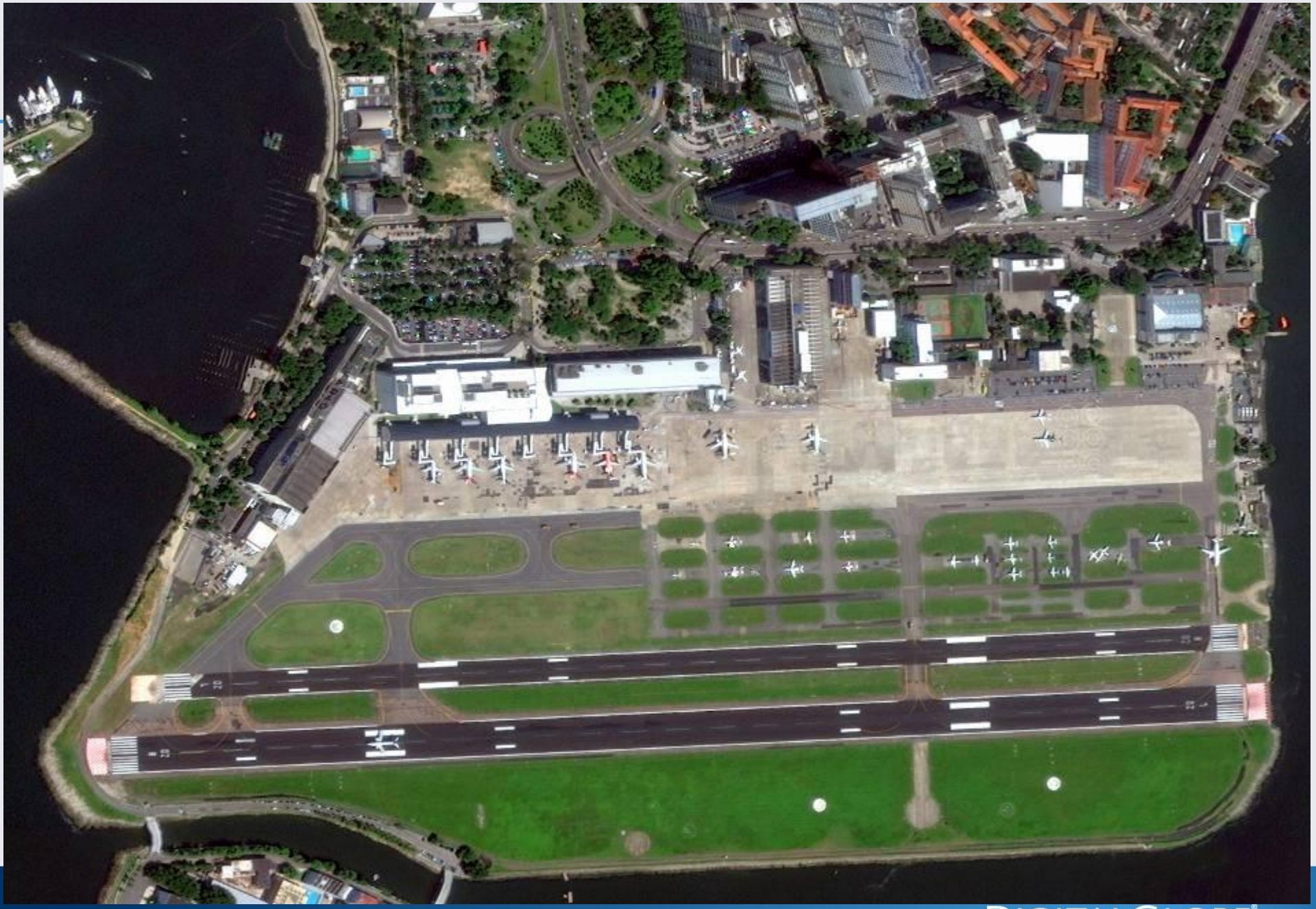












Assets in the Sky (3,000,000 km2 per day)

QuickBird

Launched Oct. 2001

First sub-meter commercial imaging satellite

WorldView-1

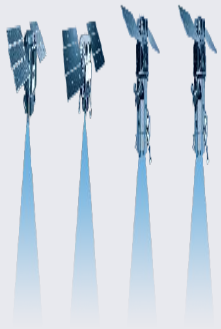
Launched Sept. 2007

First agile commercial imaging satellite, 5X QB capacity

WorldView-2

Launched Oct. 2009

First 8-band commercial imaging satellite



WorldView-3

Expect Ready for Launch Late 2014


Obrigado a todos
Parabéns a equipe MundoGeo