

Images from Space directly to school computer. Why?

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co-founder, Deputy General Director

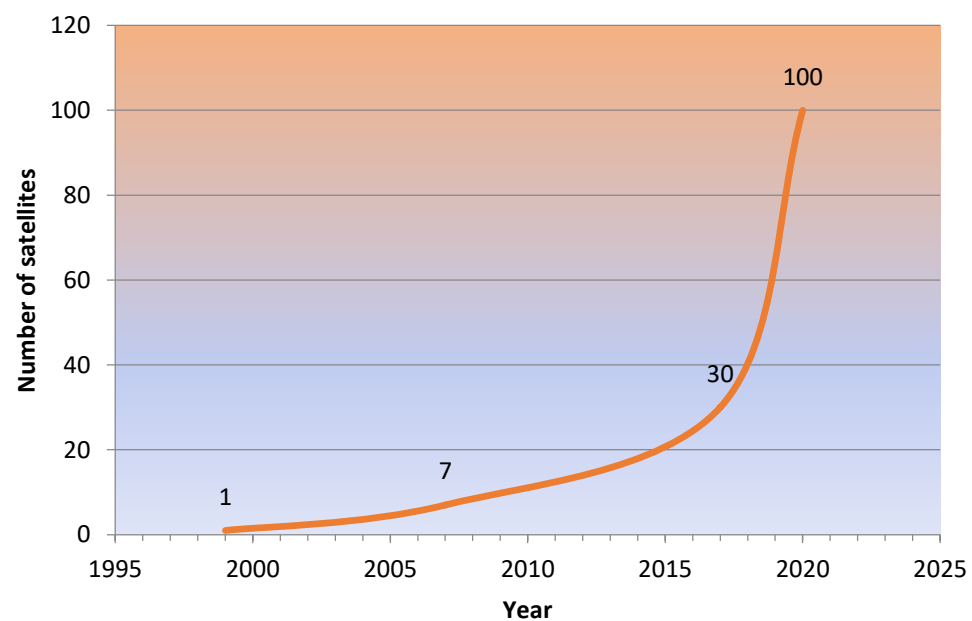


IAC 2018, Bremen, Germany
1–5 October, 2018



1. The most important problem - **competition between companies - owners of satellite and satellites constellation.**
2. Increasing number of satellites with VHR.
3. Increasing number of companies in area of Business Intelligence.
4. Lack of data with Zero Latency delivery.
5. Open (copyright free) images from Space are usually “old” and therefore cannot help to act in Real Time.
6. Education — lack of modern laboratory tools for schoolchildren teaching and future profession choice.

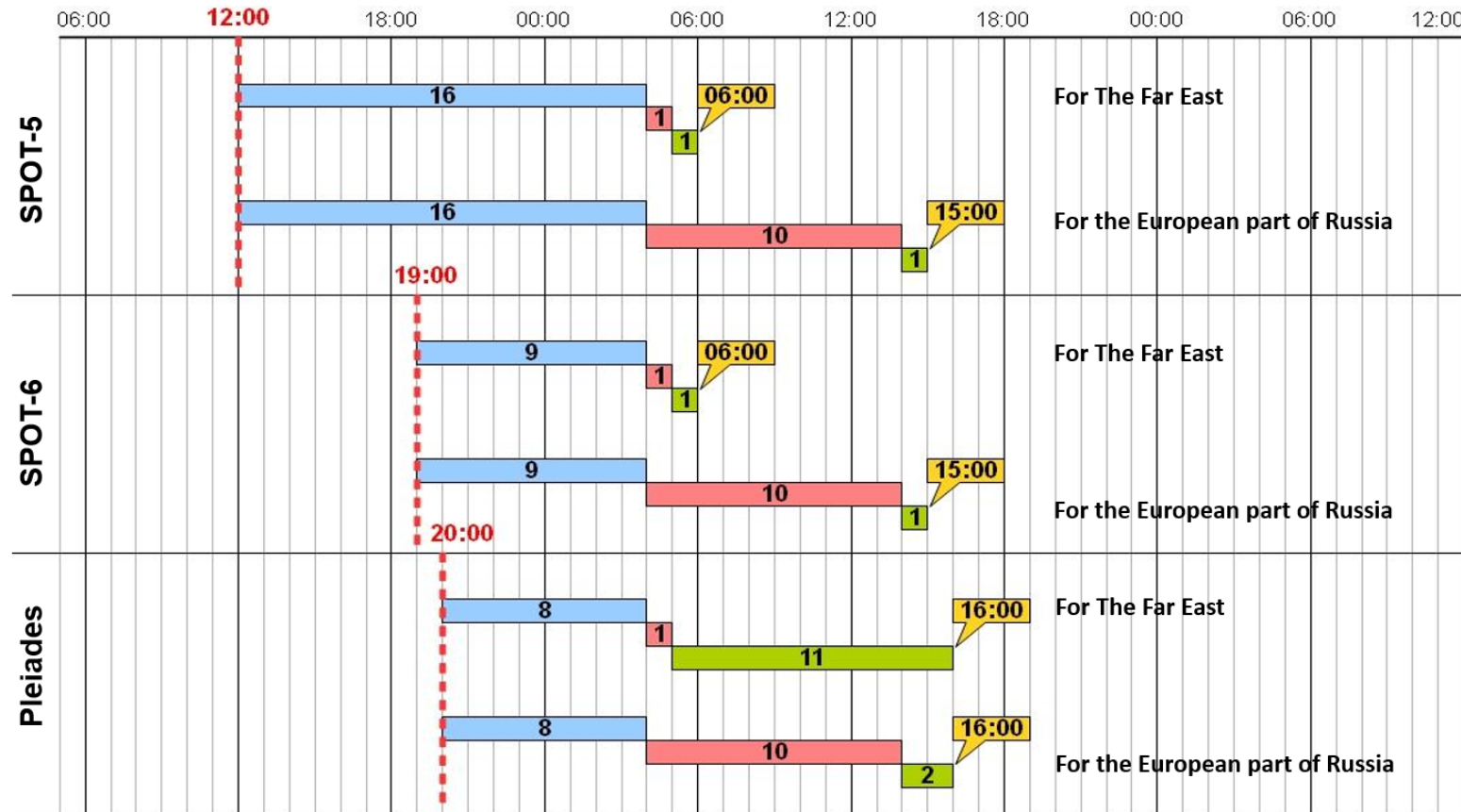
SATELLITES WITH VHR: THE DEVELOPMENT TREND



São Paulo, Brazil.
Worldview-3 satellite
image (0.3 m resolution)

DigitalGlobe

Our experience, optical data delivery time in Emergency request



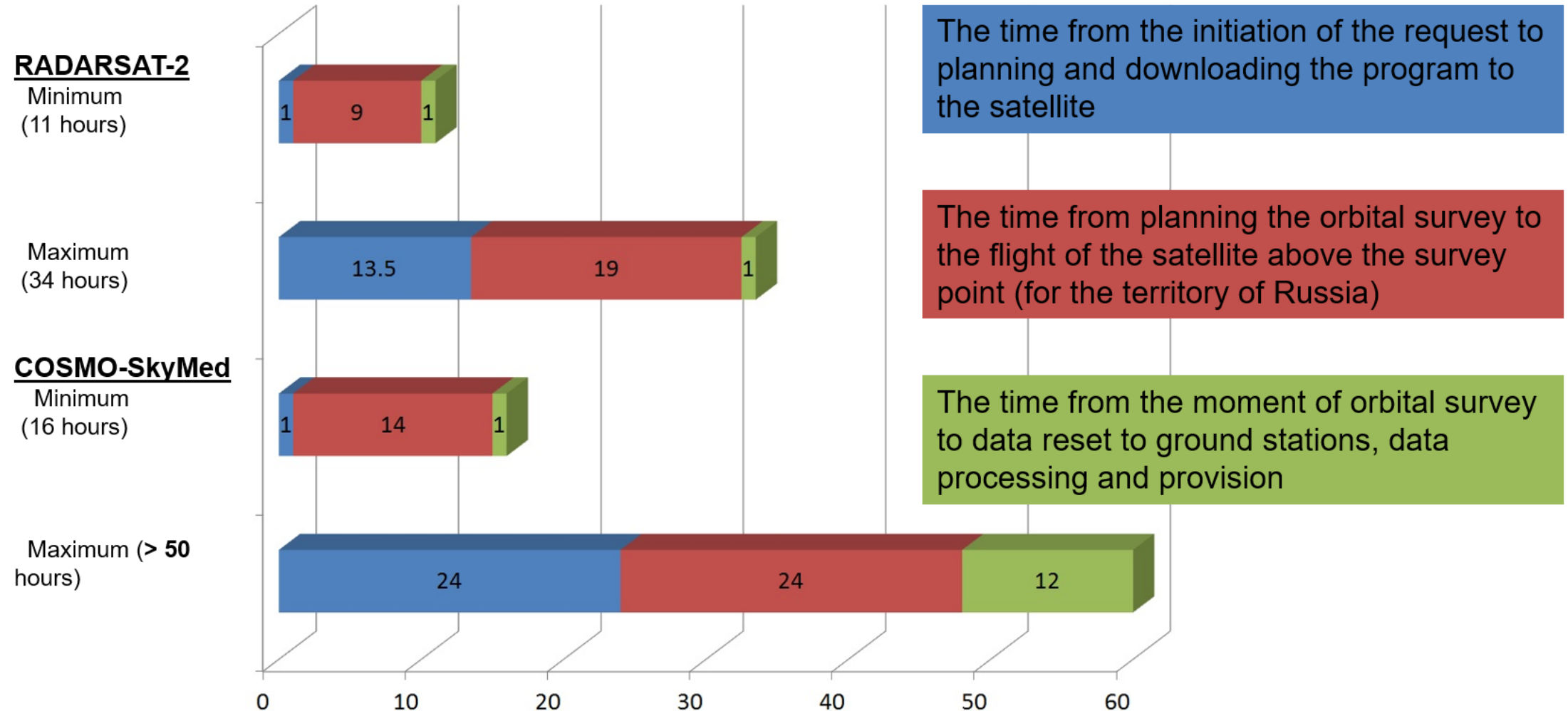
12:00



8:00

- Application deadlines.
- The period of time from including the application in the survey plan to the first possible orbital survey (for the territory of the Russian Federation).
- The period from the moment of orbital survey to the discharge to the ground stations, processing and provision of data.
- The period of possible orbital survey (for different regions of Russia).
- Approximate time of delivery satellite images and processing results.

Our experience, radar data delivery time in Emergency request





DMC 3-FM3	2018-09-28 07:35:51	07:36:12	17314	71.2
NUSAT 2	2018-09-28 19:54:01	19:54:41	12997	80.4
DMC 3-FM3	2018-09-28 20:55:59	20:56:59	17322	88.2
DEIMOS-2	2018-09-28 21:26:42	21:27:40	23175	88.0
DMC 3-FM2	2018-09-29 07:30:14	07:30:54	17329	75.0
KOMPSAT 3	2018-09-29 10:07:37	10:08:41	33972	85.6
DMC 3-FM2	2018-09-29 20:50:34	20:51:33	17337	84.3
KOMPSAT 3	2018-09-29 23:34:42	23:35:42	33980	81.6
DMC 3-FM1	2018-09-30 07:23:22	07:24:19	17343	83.6
NUSAT 1	2018-09-30 09:34:45	09:35:11	13021	73.7
NUSAT 5	2018-09-30 12:08:26	12:08:50	3616	73.1
NUSAT 4	2018-09-30 12:12:56	12:13:37	3656	81.7
KAZEOSAT 1	2018-09-30 19:22:55	19:24:07	23271	89.8
DMC 3-FM1	2018-09-30 20:43:57	20:44:40	17351	75.6
NUSAT 5	2018-09-30 22:52:34	22:53:20	3623	85.5
NUSAT 4	2018-09-30 22:57:20	22:57:55	3663	76.9
DMC 3-FM3	2018-10-01 07:17:43	07:18:39	17358	82.8
KAZEOSAT 2	2018-10-01 07:35:53	07:36:52	23172	88.8
KAZEOSAT 1	2018-10-01 09:00:50	09:02:01	23279	87.9
NUSAT 2	2018-10-01 09:28:16	09:29:00	13036	87.7
NUSAT 1	2018-10-01 19:53:02	19:53:41	13043	80.2
DMC 3-FM2	2018-10-02 07:12:22	07:13:13	17373	79.1
DMC 3-FM3	2018-10-02 21:04:32	21:05:24	17381	79.5
KAZEOSAT 2	2018-10-02 21:10:04	21:11:03	23195	89.4
KOMPSAT 3	2018-10-02 23:51:52	23:52:37	34024	75.3
DMC 3-FM1	2018-10-03 07:05:52	07:06:08	17387	70.7
DEIMOS-2	2018-10-03 07:54:04	07:55:02	23241	87.4
KAZEOSAT 1	2018-10-03 09:18:40	09:18:58	23308	70.6

VC

LoReTT

Local Real Time Tool



We are creating demand

01

The creating of demand through exiting projects

02

First commercial delivery

03

Looking for strong partnership with satellites owners

Программа «Дежурный по планете»

Авторы и разработчики:

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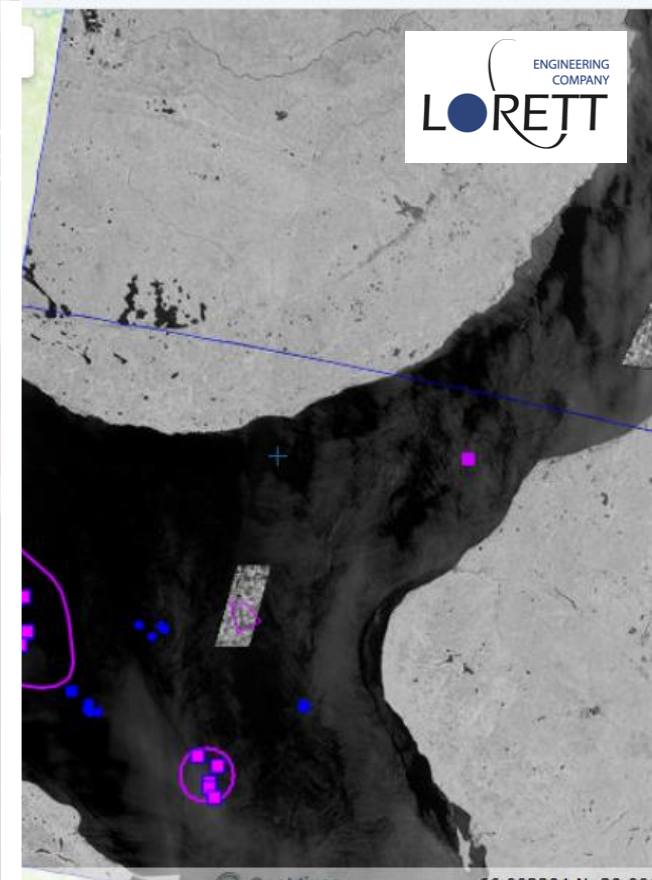
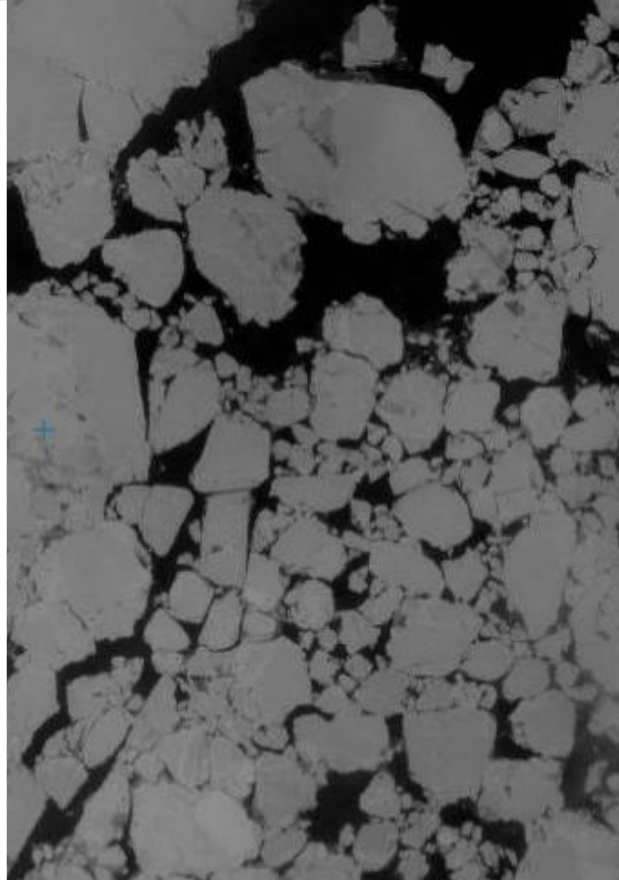
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АНО «Прозрачный мир»

МОСКВА 2018



The creating of
demand
through exiting
projects

Pilot projects in schools

First
commercial
delivery

Nine
commercial
orders,
some with
government
support





Looking for
strong
partnership with
satellites owners



What do we need now?

- ESA/Copernicus — Sentinel 1, 2, 3 — direct downlink to EU schools at least at “blind” mode.
- NASA/USGS — Landsat8 direct downlink to schools over the World.
- Partnership with educational market leaders over Europe and beyond.

LoReTT technology developers — Vladimir and Olga Gershenzon, experts in the field of Earth remote sensing data reception and application.



Our experience:





B2C — Family
Edutainment



B2B — Private
schools and universities



B2G —
Governmental schools
and universities

Our advantage

Why invest in us/why work with us?

INNOVATION

We are creating absolutely breakthrough opportunity for new generation and therefore for players of Space 4.0 era.

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