

“Commercialization of the Small Satellite Imagery”

Group Discussion 5

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What 's a Small Satellite?

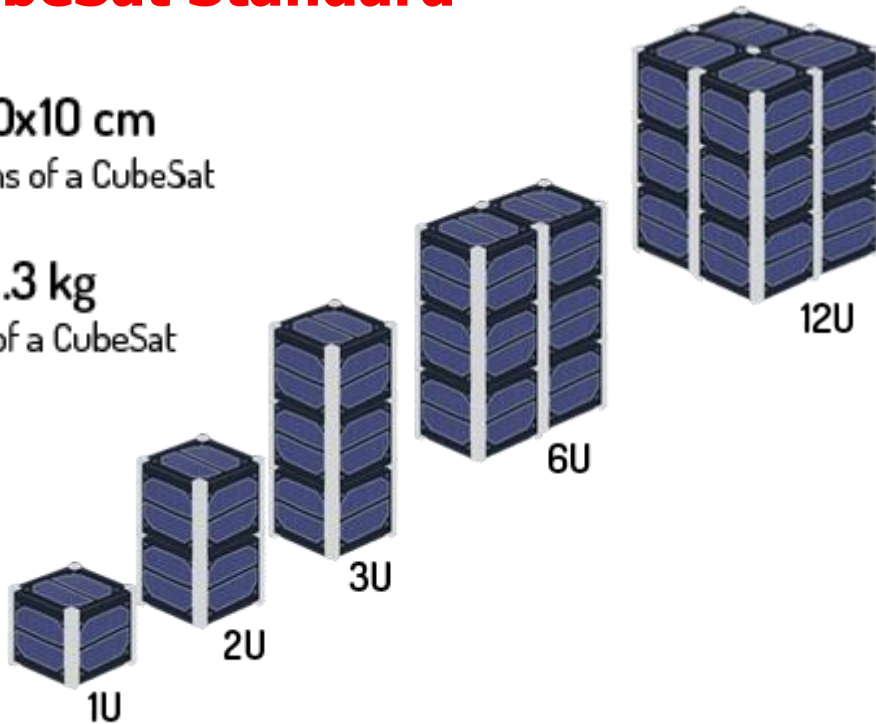
- **Small satellites** are spacecraft with a weight ≤ 500 kg

CubeSat Standard



10x10x10 cm
Dimensions of a CubeSat

1.3 kg
Mass of a CubeSat



100 kg

Mini-satellite

10 kg

Micro-satellite

1 kg

Nano-satellite

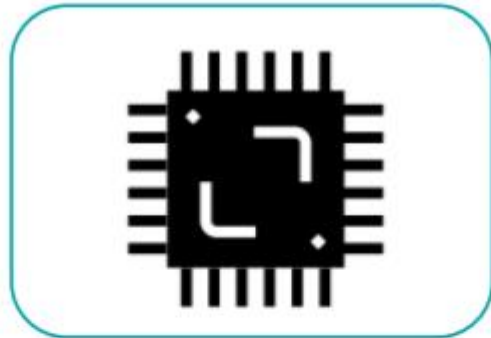
100 g

Pico-satellite

Applicability of Small Satellites



COMMUNICATIONS



TECHNOLOGY
DEVELOPMENT



MILITARY AND
INTELLIGENCE



REMOTE SENSING



SCIENTIFIC

Small Satellites Optical Imagery

- Many **micro/cube satellites** are currently capable of **capturing imagery of the Earth**
- **No mass civil applications** for those imagery **exist**, except national security purpose, but in this case an higher resolution imagery is required
- Applications for natural resources, weather observation/forecast, agricultural product and disaster monitoring/prevention may **not** be **a main driver to quadruple the satellite imagery market in the next 5 years**

Main Questions

1. **How could we develop satellite imagery market for civil purposes?**
2. **How could we increase the number of customers using the imagery from small satellites and make them need the imagery data/information in their regular workflow?**

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