

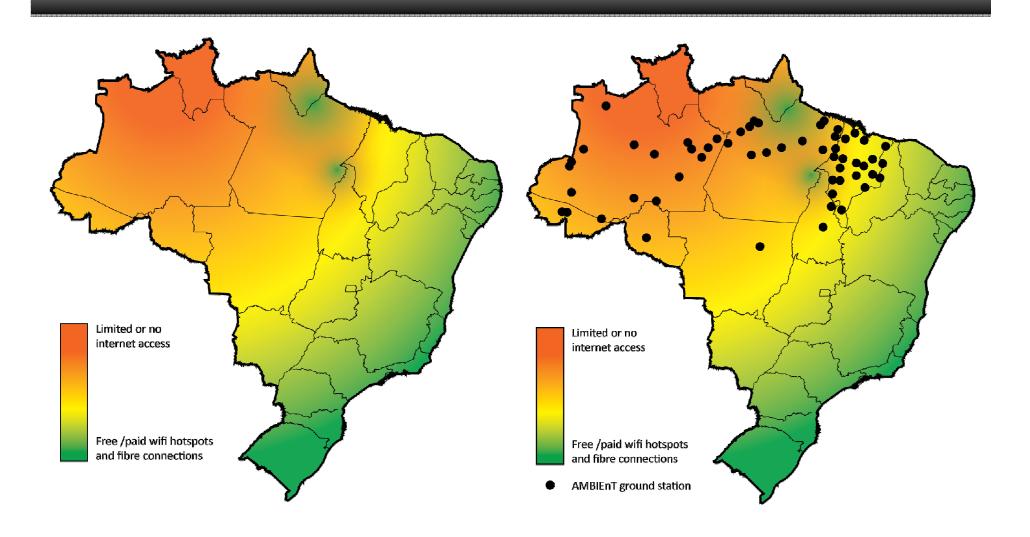
Mission Statement

To offer sustainable and affordable
internet access and environmental monitoring
via a constellation of microsatellites by 2018,
as a means to provide socio-economic benefits to the
Brazilian Amazon Region
with a future capability for
global expansion to other remote areas.

http://youtu.be/CpIPjs-vQoU AMBIEnT Video produced by Dawoon Jung



Internet before and after AMBIENT





Tele-education Partnership with municipalities Tele-education centres in schools or libraries Technical education provided



Option A. Partnership with Telehealth Services

i. AMBIEnT supplies the internet connectivity
 Telehealth services provide telemedicine.

Option B. Own platform

- i. laptop with text and voice capabilities
- ii. simple user interface
- iii. health-sensors package

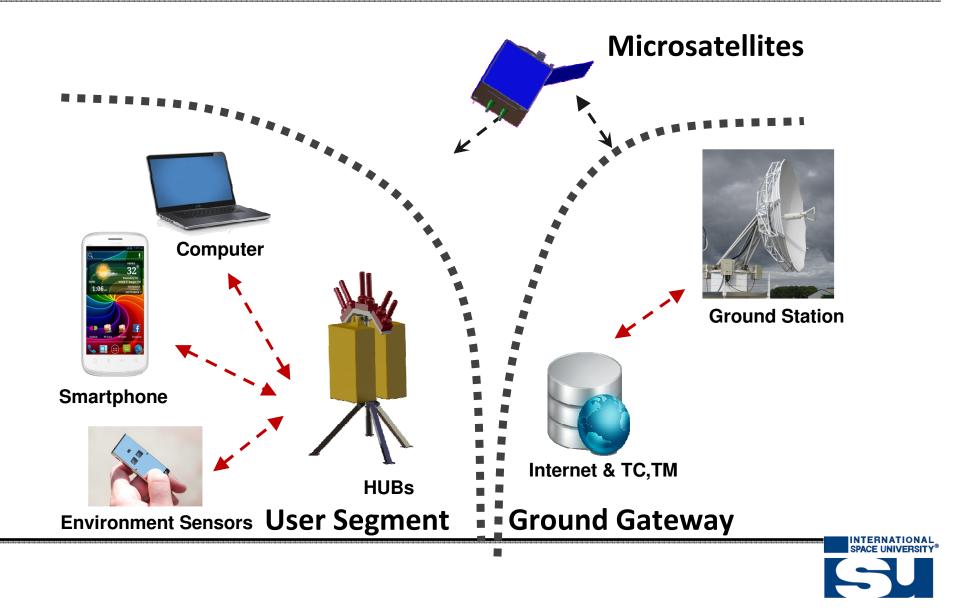


Aid in timely alerts of illegal deforestation

- Smart phone Apps
- Weather monitoring ia fixed and mobile ground sensing.

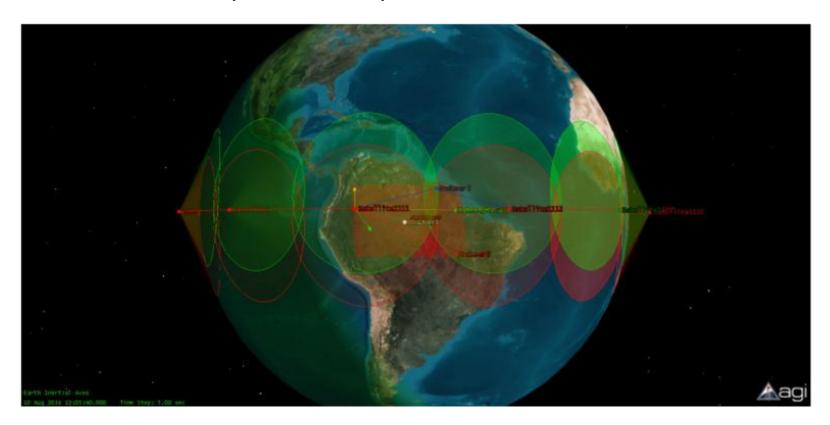


System Architecture



Satellite Constellation

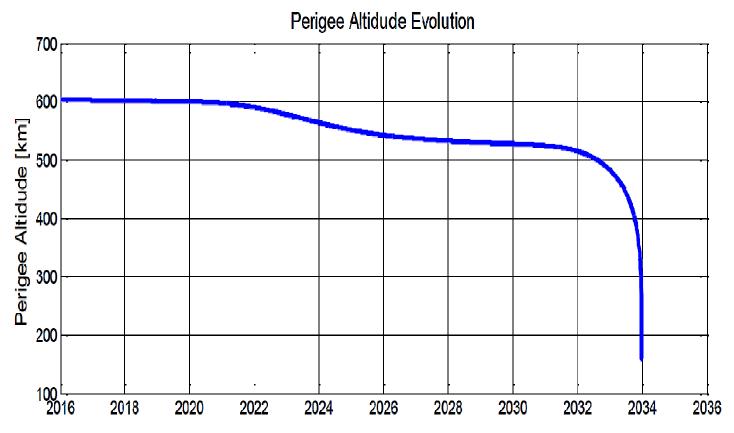
12 satellites, 600 km, inclination 0°







Deorbit and Orbit Mitigation



Deorbiting time 18 years, satisfy space debris mitigation guidelines (UNCOPUOS, 2010, IADC).

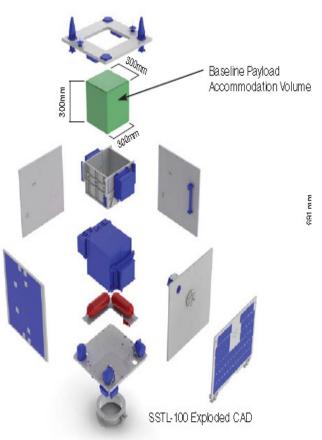


Payload Characteristics

AMBIENT Design

- •Mass each 100 kg
- •0,40 x 0,40 x 0,70
- •X-Band
- •48,000 households
- •110 ground stations
- Total cost over 10 years \$260 Mio
- •6-7 years operational time
- Piggyback launch
- Business Model
- Risk Analysis

SSTL-100





Wrap-up - What makes us unique

- Innovative Low Cost Solution
- Packaged solution
 - Telemedicine
 - Education terminals
 - Mitigation of illegal logging
- Value of Proposition of AMBIEnT
- Possibility of microfinance
- Sustainability



Team AMBIEnT Foto: Timmermans



AMBIENT



Affordable Micro-Satellite Based Internet Services and Environmental Monitoring





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