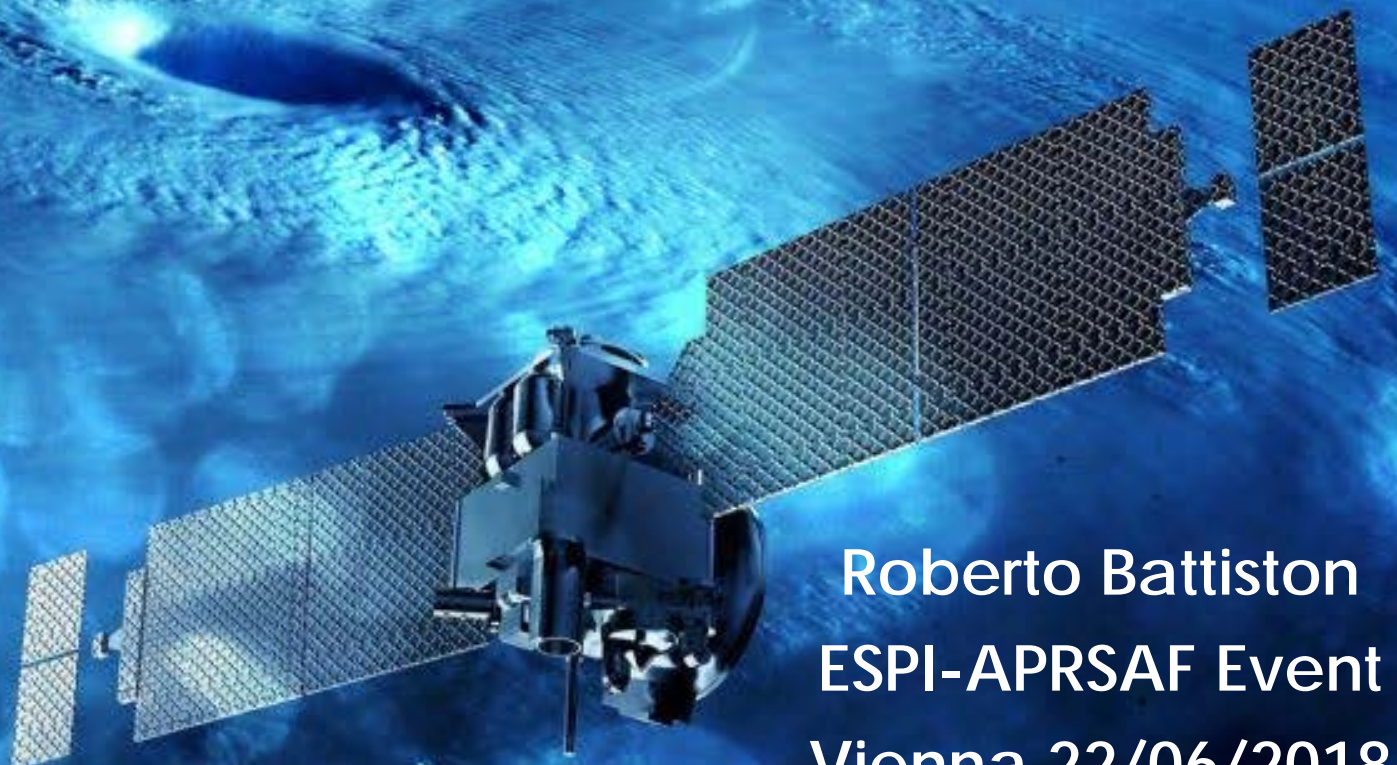


SPINNING THE ECONOMY

ITALIAN SPACE AGENCY FOR APRSAF



Roberto Battiston
ESPI-APRSAF Event
Vienna 22/06/2018



**SPACE IS A PERVASIVE
INFRASTRUCTURE
OF THE
ECONOMY**

\$329 Billion in 2016

**70% SERVICES
30% MANUFACTURE**

Democratization of Space

- Decreased costs, increased capabilities and path breaking innovations are making earth observation satellites more relevant to businesses and public good
- The ability of satellites to transform businesses and quality of life today is more relevant than ever, associated technologies have expanded at an exponential speed
- This dynamic is known as “democratization of space’, essentially implies that more people and/or organizations are part of the industry.

HOW THE SPACE ECONOMY WILL BE IN THE FUTURE ?

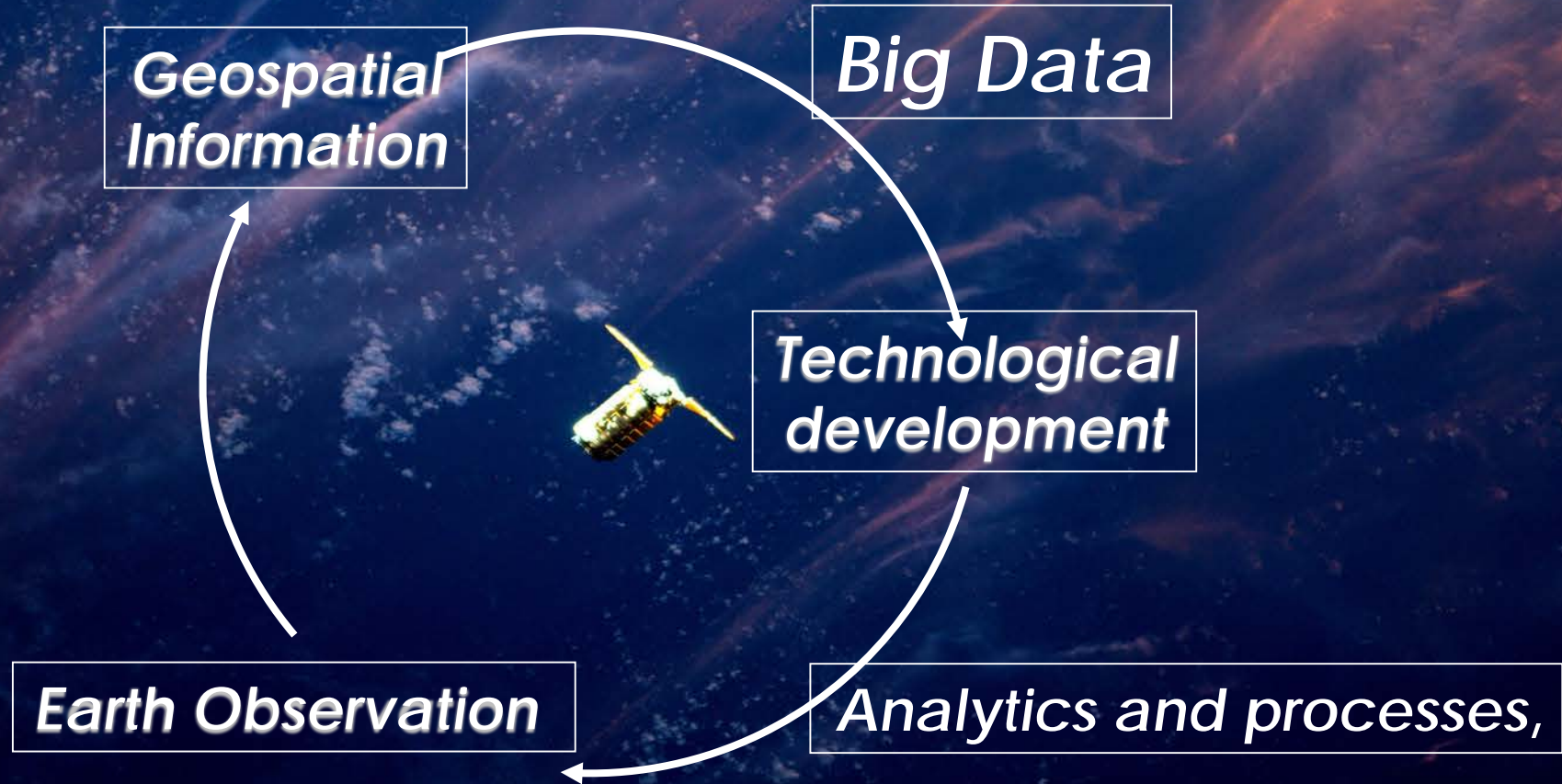


Lowering technical barriers related to the exploitation of space technologies

Improving general market conditions, establishing a favorable regulatory framework

Addressing the matching of demand and supply sides of the value chains through suitable PPP partnership frameworks

NATIONAL AND GLOBAL POLICY FRAMEWORKS



BUILDING GEOSPATIAL INFORMATION CAPACITY OF NATIONS

Big Data enable the new space economy



OPTICAL & RADAR SATELLITE AND AERIAL DATA ARE
A RELIABLE SOURCE FOR **CONTINUOUS** INFORMATION



Copernicus Galileo COSMO SkyMed
Tandem-X Pleiades

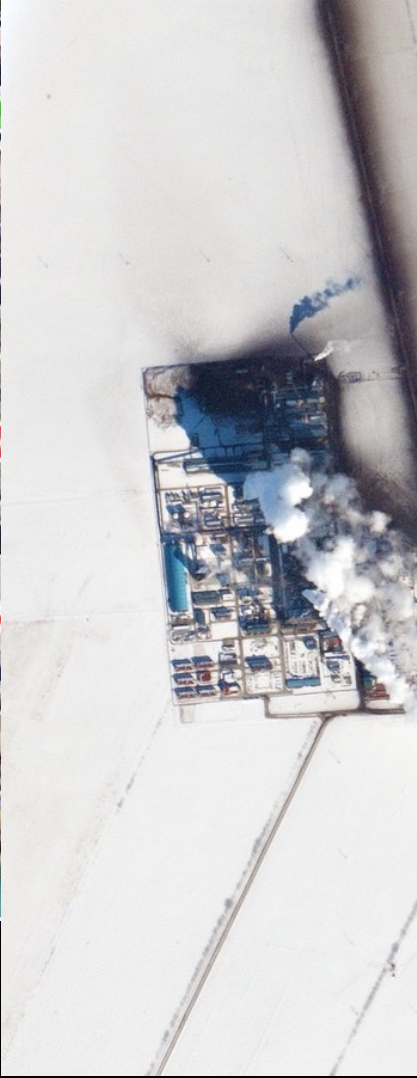
CosmoSkymed Disaster Management

Integration of (Geo)Social Data in the production workflow



Status of used posts, after 10 hours after analysis of more than 1000 posts





Astonishing time-lapse satellite imagery shows rapid growth of refugee camps

By Max Bearak September 19



Before the UN,
Planet worked with
Amnesty
International to
raise awareness of
the growth of
refugee camps



RAPID DEFORESTATION

Bolivia

July 29, 2016

HIGHER
FREQUENCY

Everywhere,
Everyday





MICRO SATELLITE ITALIAN PROGRAMS

PLATiNO represents the first Italian answer to the Space Economy, aiming to the development of a new generation of Multi-purpose 200kg small satellites for innovative multi-mission applications.

With the PLATiNO program, ASI enters the satellite segment that today is growing worldwide, enabling a wide range of missions, from telecommunications, to earth observation and scientific missions, which are characterized by low cost, an extremely competitive time to market and a natural propensity to develop satellite constellations, the great challenge of the next years in space.