



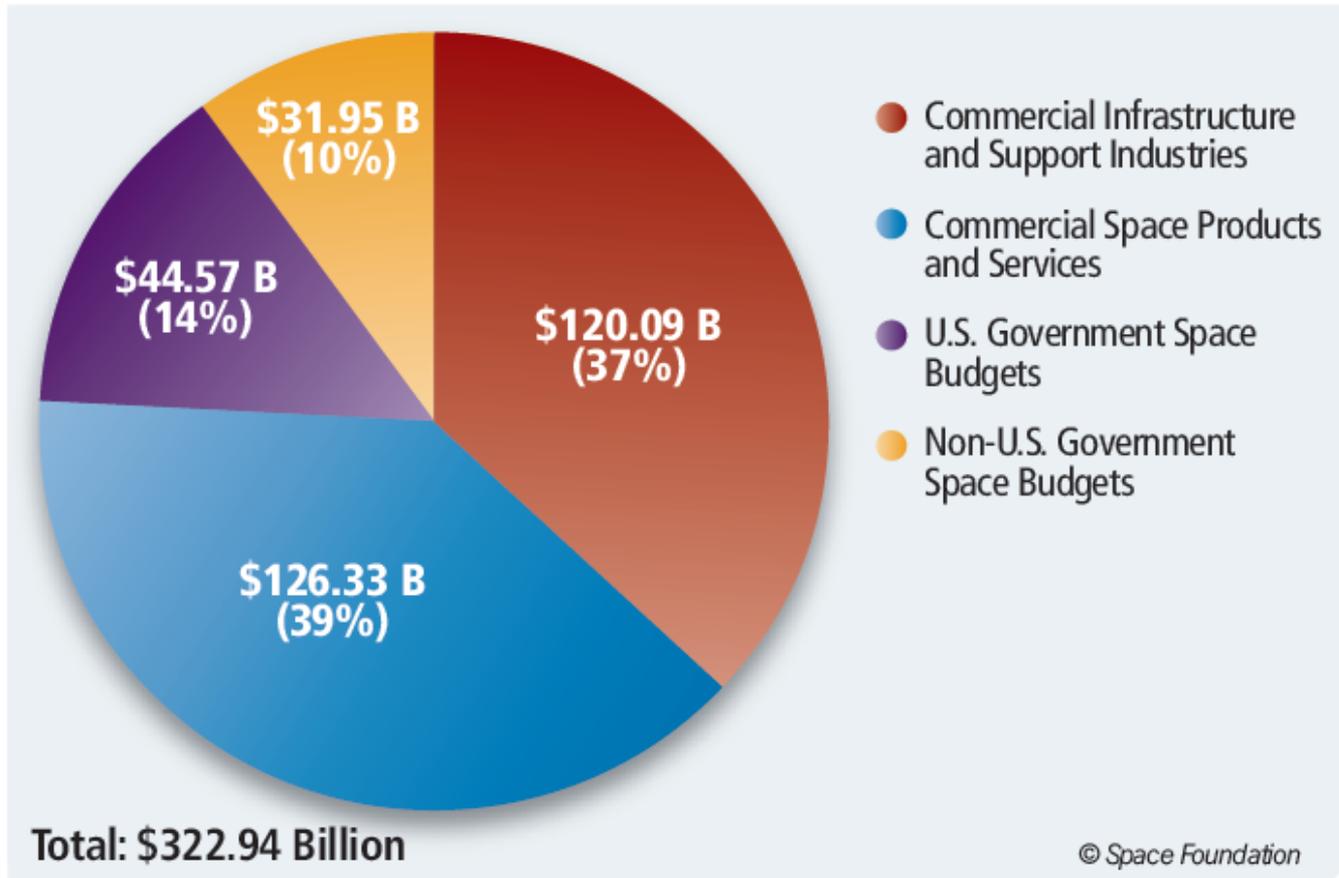
*Promoting Cooperative Solutions for Space Sustainability*

# Measuring Value, Defining Benefit

Michael Simpson  
Secure World Foundation

# The Space Economy is Sizable

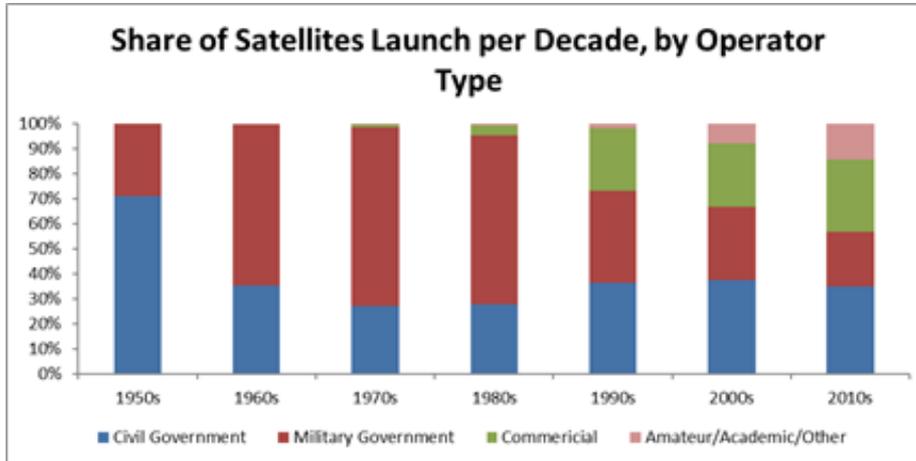
**Economic Value:** in 2015 the global space economy represented \$322.94 Billion of activity; apx. 76% of which represented private sector activity



Source: The Space Foundation, *The Space Report 2016 Overview*

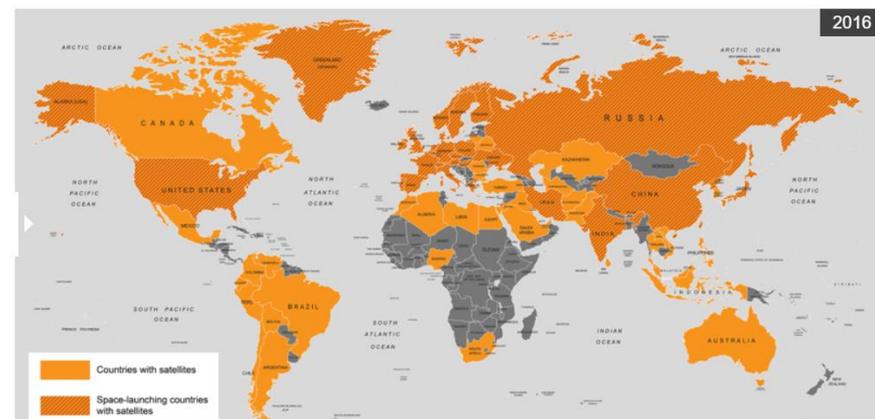
# Delivered Through A Diverse Set of Actors

## Both in sector...



Source: Jonathan McDowell, *Jonathan's Space Report*

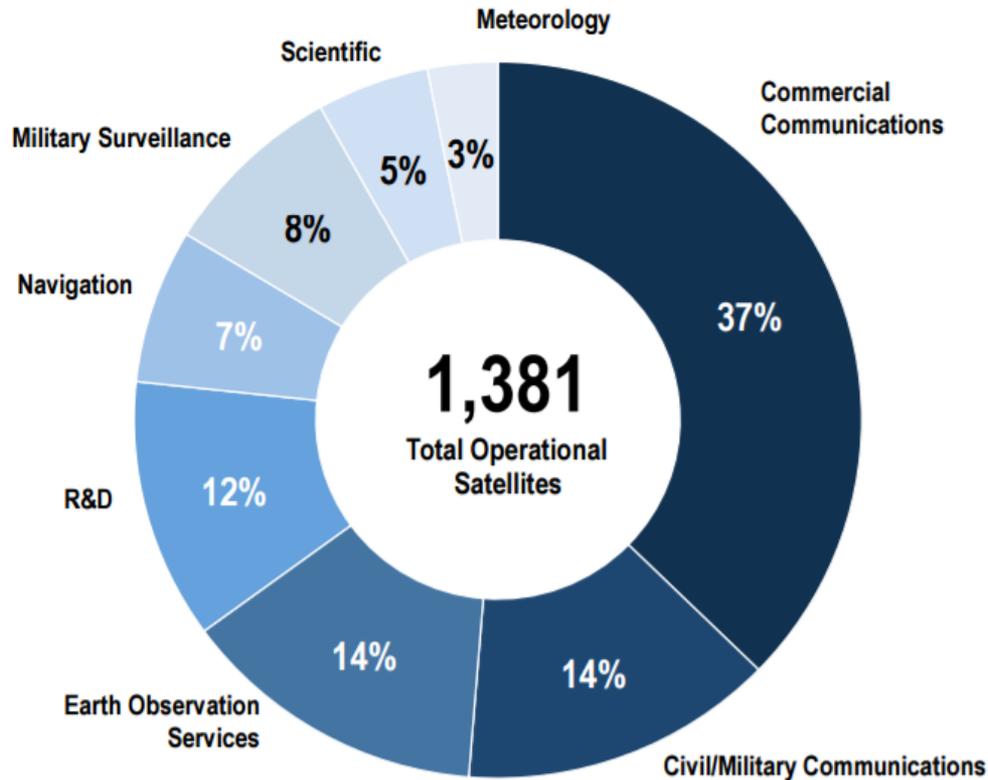
## And in location...



Source: Union of Concerned Scientists, *Satellite Database*

# Enabling A Variety of Applications

## Operational Satellites by Function (as of December 31, 2015)



### Satellite Communications Services:

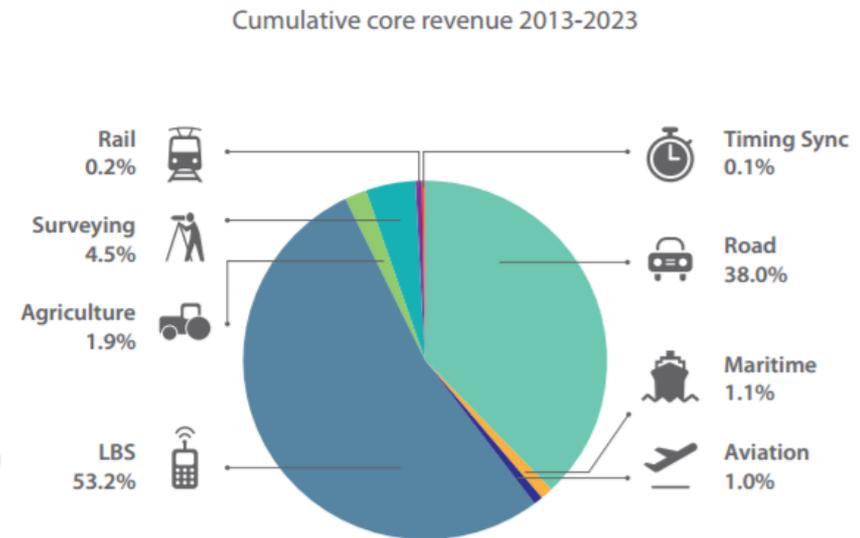
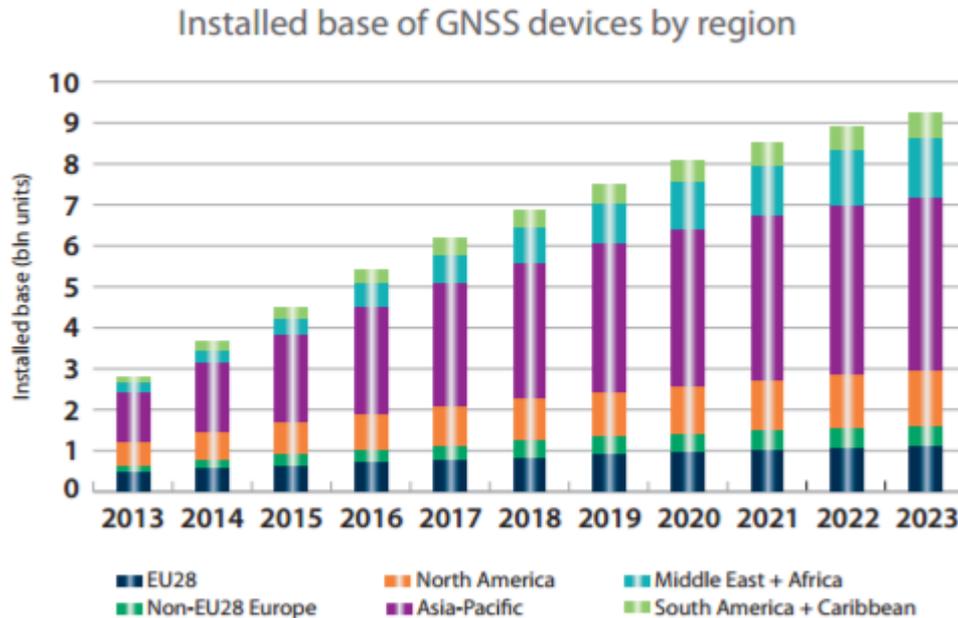
2015 revenue of \$127.4B (SIA)

**Earth Observation Services:**  
2015 revenue of \$1.4B (SIA)

**Navigation (GNSS) Equipment**  
2015 revenue of \$1.4B (SIA)

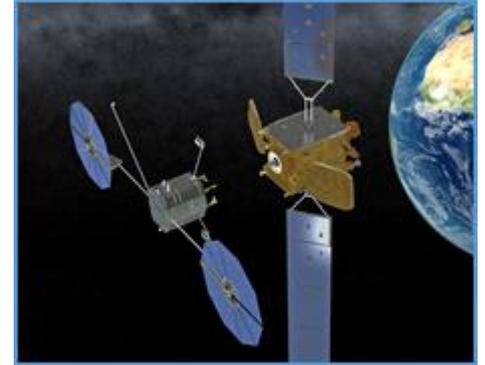
Source: Satellite Industry Association, *2016 State of the Satellite Industry Report*

## Case Study: GNSS Services and Use Cases



Source: European GNSS Agency, 2015 GNSS Market Report

# And Continuing to Expand





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# Thank you. Questions?

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