



EU SPACE PROGRAMME OVERVIEW



COPERNICUS

Earth Observation (EO) and monitoring based on satellite and non-space data

Nr.1 world provider of space data and information



GALILEO

Global satellite navigation and positioning system (GNSS)

10% of the EU GDP enabled by satellite navigation



EGNOS

Reliable navigation signals for safety of life use

Operational in 360+ airports & helipads in 23 countries



SSA

Space situational awareness monitoring and protecting space assets

Providing surveillance and tracking services to 210+ satellites



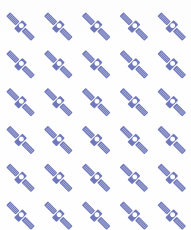
GOVSATCOM

Secure satellite communications for EU security actors

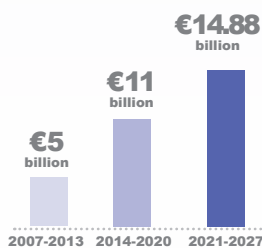
Delivering rapid support over crisis areas

BOOSTING THE ECONOMY

30+ EU-owned satellites in orbit for EO and GNSS



EU Investment in space



250.000+ jobs supported by EU Space

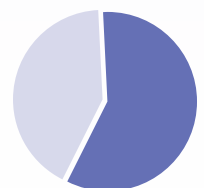


with a value added estimated at **€ 46-54 billion**

Over 2 billion Galileo-enabled devices



60% of the European EO companies use Copernicus data



enabling over **10%** of the income in the sector

AN ENABLER FOR THE DIGITAL TRANSITION

The EU Space programme provides critical infrastructure for the digital transformation. Space data is a key enabler of digital innovations such as **Autonomous vehicles, smart solutions and 5G wireless telecommunication networks.**



game changer for autonomous driving and commercial drones



training Artificial Intelligence and enabling big data analytics in many areas of application

SOME AREAS OF APPLICATION



Agriculture

EU Space enables precision agriculture and integrated farming solutions. It helps farmers increase yields by 10%+ and save 20%+ on fertilizer, fuel and pesticides, and enables safe landings and autonomous machines.



Response to Natural disasters

EU Space supports rescue operations during floods, fires, earthquakes and hurricanes as well as man-made disasters.



Smart Cities

EU Space is crucial for urban mapping, planning and infrastructure monitoring, notably enabling better urban transport and smart waste management.



Renewable Energies

EU Space supports the siting of renewable energy facilities assessing potential energy generation and environmental impacts.



Health

EU Space helps to forecast air quality and UV radiation having impact on our health.

EU SPACE PROGRAMME FOR A COMPETITIVE SPACE ECOSYSTEM

Galileo

To accelerate the deployment of the Galileo 2nd Generation to increase its performance and robustness.

Copernicus

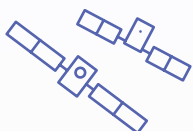
To accelerate the modernisation of both Copernicus infrastructure and services to ensure the world-class role of EU in Earth Observation.

Cassini

€1 bn Space Investment Fund to accelerate the expansion of innovative SMEs and start-up in space and the development of breakthrough technologies and processes.

AN INVESTMENT IN A FUTURE READY EUROPE

EU Space provides innovative space technology, data and services indispensable in the lives of Europeans, and addresses an increasing range of EU ambitions and priorities:



Competitive edge

Completing current satellite constellations, developing and launching the next-generation of satellites



Research innovation

Ambitious research and innovation programme benefiting from Horizon Europe



Fighting Climate Change

Monitoring biodiversity, environmental compliance and CO2 emissions (Paris Agreement)



EU as a global actor

Supporting disaster relief, humanitarian assistance and security operations