



EU SPACE

THE EUROPEAN SPACE PROGRAMME ALL EU SPACE-RELATED ACTIVITIES IN ONE, FLEXIBLE 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 is enabled by satellite navigation.**

EGNOS

makes navigation signals more accurate and reliable. **Operational in 300+ airports in 23 countries.**

SSA

Space situational awareness, monitors and protects space assets. Providing surveillance and tracking services to **129 European satellites.**

EU

GOVSATCOM

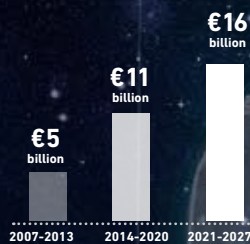
secures satellite communications for EU security actors.

BOOSTING THE ECONOMY

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



EU Investment in space



European space industry supports **250.000+ jobs**



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

Over **1 billion** Galileo-enabled devices



Copernicus data is used by **60%** of the European EO companies



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.



GALILEO
20 cm high accuracy

game changer for autonomous driving and commercial drones.



COPERNICUS
16 TB data/day

used to train Artificial Intelligence / enables big data analytics in many areas of application.

SOME AREAS OF APPLICATION

Agriculture



The **EU Space Programme** is an enabler for precision agriculture and integrated farming solutions.

Earth Observation and satellite navigation can help farmers increase yields by more than 10% and save up to 20% on fertilizer, fuel and pesticides.

EGNOS increases precision and reliability of GNSS and is a key enabler of autonomous tractors and robots in agriculture.

Response to Natural disasters



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

Smart Cities



Copernicus Earth Observation and Galileo positioning are crucial for urban mapping, planning and infrastructure monitoring. They enable better urban transport and smart waste management.

Renewable Energies



EU space programmes support the siting of renewable energy facilities assessing potential energy generation and environmental impacts.

Healths



Thanks to Copernicus it is possible to forecast air quality and UV radiation having impact on our health.

AN INVESTMENT IN A FUTURE READY EUROPE

The EU Space Programme provides established space technology, data and services indispensable in the lives of Europeans today. **In the future, it will address an increasing range of EU ambitions and priorities:**



Competitive edge

Completion of current satellite constellation, development and launch of next-generation satellites.



Research innovation

the ambitious research and innovation programme to succeed Horizon 2020.



Fighting Climate Change:

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



EU as a global actor:

Support disaster relief, humanitarian assistance and security operations.