



GALILEO INFORMATION CENTRE IN BRAZIL

Summer School 2022

Luis Cuervo Spottorno

EUROPEAN COMMISSION – DG for Defence Industry and Space (DG DEFIS)

Principal Administrator – manager of the Galileo Information Centres in Latin America

Market tendencies

- IoT
- Artificial Intelligence (AI)
- 5G
- Automatic & connected mobility
- Smart Cities
- Big Data
- Quantum technology
- Societal uses (e.g. climate monitoring, etc.)



They all use satellite data & signals!



*The EU Space Program is underpinning
digitalisation and connectivity*

The EU Space Programme

The EU Space Programme and the services and applications that it supports, help to advance the European Union's objectives and to achieve its key policy goals and priorities

**EU Space
Programme budget
(2021-2027)**

€14.88bn

>250.000

Jobs supported by EU Space

Flagship components



**10% of the EU GDP is enabled by
satellite navigation**



**Operational in 360+ airports &
helipads in 23 countries**

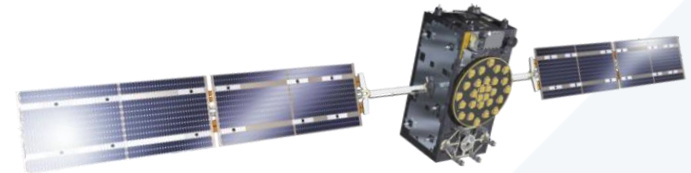


**No.1 global provider of space
data and information**

Galileo and EGNOS

Galileo is the **Global Navigation Satellite System (GNSS)** of the European Union. It offers **high-precision timing, positioning and emergency services** to citizens, private companies and public authorities. Galileo also features a **Search & Rescue service** to assist individuals in distress. Galileo is able to provide up to **20cm high accuracy positioning**.

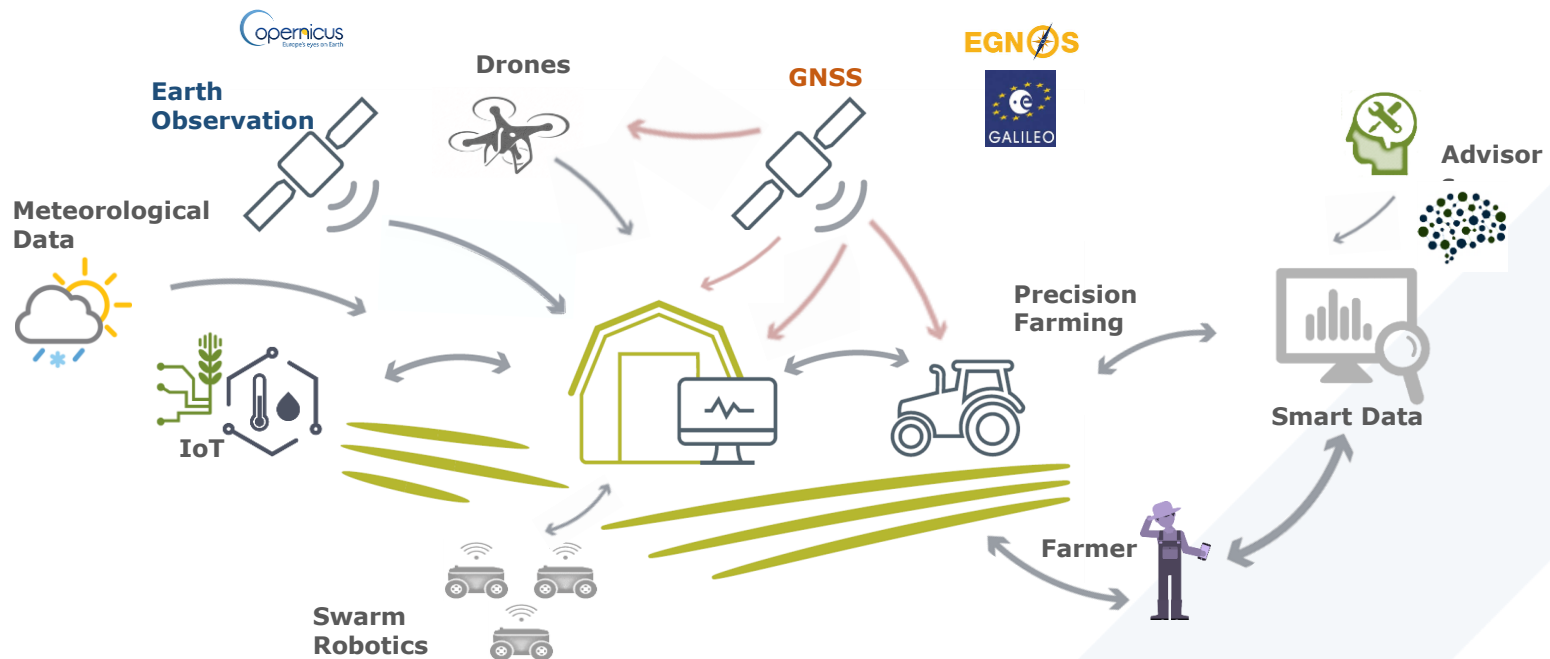
The **European Geostationary Navigation Overlay Service (EGNOS)** is a satellite-based **augmentation system** operating in the European region. EGNOS currently enhances the positioning data of the US GPS. In the future it will improve the performances of Galileo.



Number of satellites, control centres and sensor stations	Value of the Global GNSS market	Estimated revenue from services relying on GNSS technology by 2029
30	€175 billion	€166 billion

EU Space Programme – synergies for development

GNSS and Copernicus are core components in digital farming



Why are we organising this summer course?

- To further promote European Global Navigation Satellite Systems (EGNSS) in Brazil, in particular with Academia + student community
- To prompt EGNSS specialisation in Brazil → incorporate EGNSS into the Brazilian engineering curriculum
- To foster local specialisation using EU Space capabilities → new space-based products and services → added value for Brazilian digitalisation
- To increase future industrial business cooperation on space-based applications between EU and Brazil

THANK YOU!

Luis.Cuervo-Spottorno@ec.europa.eu

www.copernicus.eu

www.ec.europa.eu/galileo

www.ec.europa.eu/egnos

www.eu-global-space.eu



