

IRIS²

NEREUS General Assembly 2023



DISCLAIMER

This meeting is being held in the procurement phase of the IRIS² programme and therefore, in accordance with the provisions of the EU's Financial Regulation, any information relating to the procurement itself cannot be discussed.

This is to ensure that the principle of equal treatment with other potential tenderers is not altered.



The EU Regulation



The Regulation is in force since 20 March 2023



2023	EN	Official Journal of the European Union	L 79/1
		1	
		(Legislative acts)	
		REGULATIONS	
	REGULATION (I	EU) 2023/588 OF THE EUROPEAN PARLIAMENT AND OF TH	HE COUNCIL
	establishing	of 15 March 2023 the Union Secure Connectivity Programme for the period 20	23-2027
THE	EUROPEAN PARLIAMENT A	ND THE COUNCIL OF THE EUROPEAN UNION,	
Havi	ng regard to the Treaty or	the Functioning of the European Union, and in particular Article	189(2) thereof,
Havi	ng regard to the proposal	from the European Commission,	
After	transmission of the draf	t legislative act to the national parliaments,	
Acti	ng in accordance with the	ordinary legislative procedure (?).	
Whe	reas:		
(1)	generation of governm Commission and the identified as one of the 2016. Governmental s	e European Council of 19-20 December 2013 welcomed the ental satellite communications through close cooperation betwee European Space Agency (ESA). Governmental satellite commu- elements of the Global Strategy for the European Union's Foreign a tellite communications are to contribute to the EU response to H time Security Strategy and to the EU Arctic policy.	n the Member States, the nications have also been and Security Policy of June
(2)		e European Council of 21-22 March 2019 stressed that the Univ ve, secure, inclusive and ethical digital economy with world-class or	
(3)	defence and space indu	f the Commission of 22 February 2021, entitled 'Action Plan or stries', states that it aims to 'enable access to high-speed connectivit connectivity system allowing Europe to remain connected whatever	ty for everyone in Europe,
(4)	infrastructure of the U substitute or complem	er Security and Defence' adopted by the Council on 21 March 2022 Inion and of its Member States contributes to our resilience an entiground infrastructures for telecommunications. It therefore ca tion space-based global secure communication system.	d offers key services that
0 0	osition of the European Parl March 2023.	iament of 14 February 2023 (not yet published in the Official Journal) at	nd decision of the Council of



Why IRIS²



The two Programme objectives (Article 3 of the Regulation)



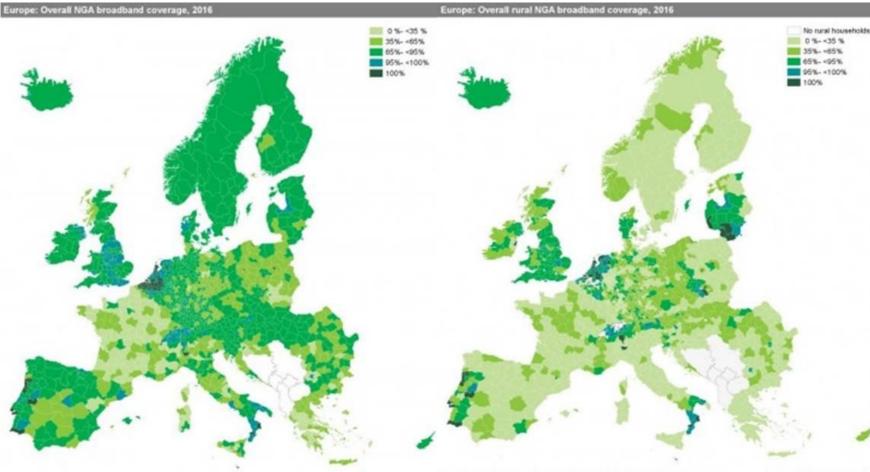
1. Ensure secure, autonomous, high-quality, reliable & cost-effective satellite governmental communication services to government-authorised users



2. Enable commercial services, or services offered to government-authorised users based on commercial infrastructure at market conditions In order to facilitate, inter alia, the further development of worldwide high-speed broadband and seamless connectivity as well as removing communication dead zones and increasing cohesion across Member States' territories, while bridging the digital divide



Digital divide has socio-economic consequences for rural areas and challenges the development of a fully functioning single market

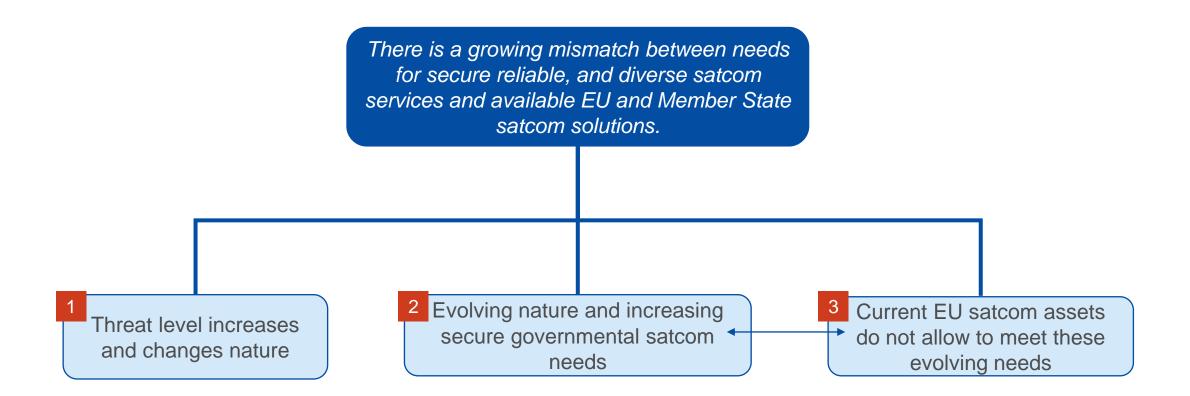


- Lack of broadband availability leads to the digital exclusion of about 3% of the total EU population (and of 10% of households in rural areas
- As demands will continue to grow it is necessary to provide a resilient and scalable solution that can provide ubiquitous coverage.

Source: Broadband Coverage in Europe 2016, a study by IHS Markit and Point Topic for the European Commission Source: Broadband Coverage in Europe 2016, a study by IHS Markit and © 2017 IHS Markit, Point Topic For the European Commission © 2017 IHS Markit, Point Topic



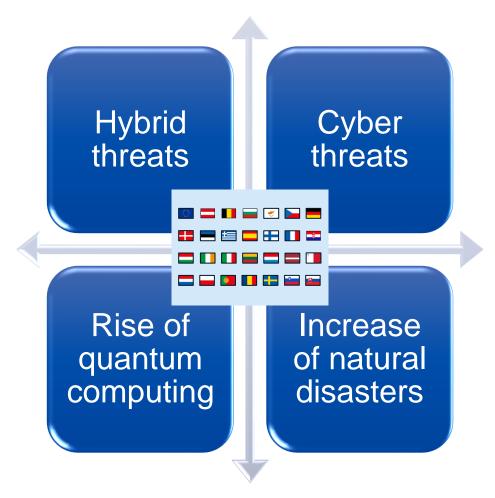
Addressing unmet new Satcom needs







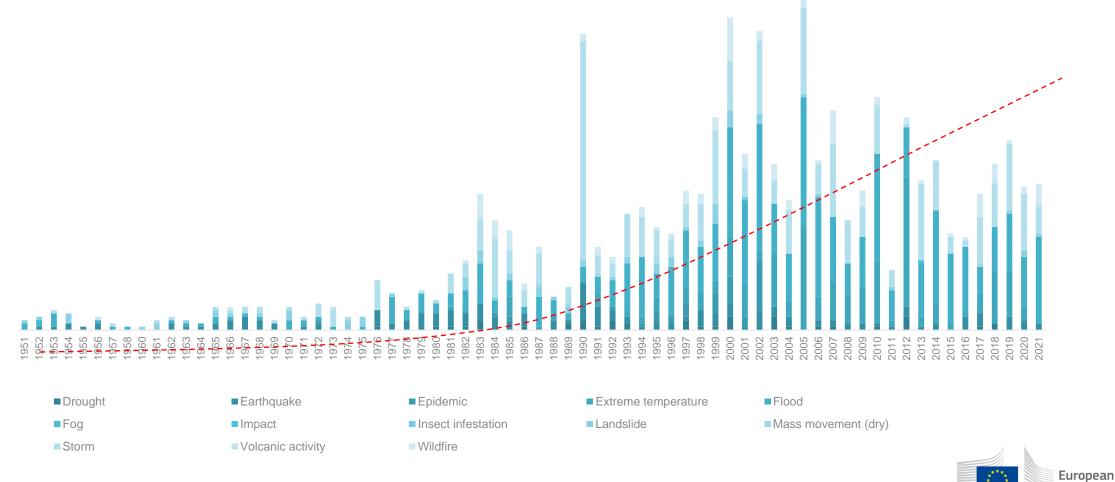
Increasing threats on critical infrastructures





Increasing natural disasters in Europe

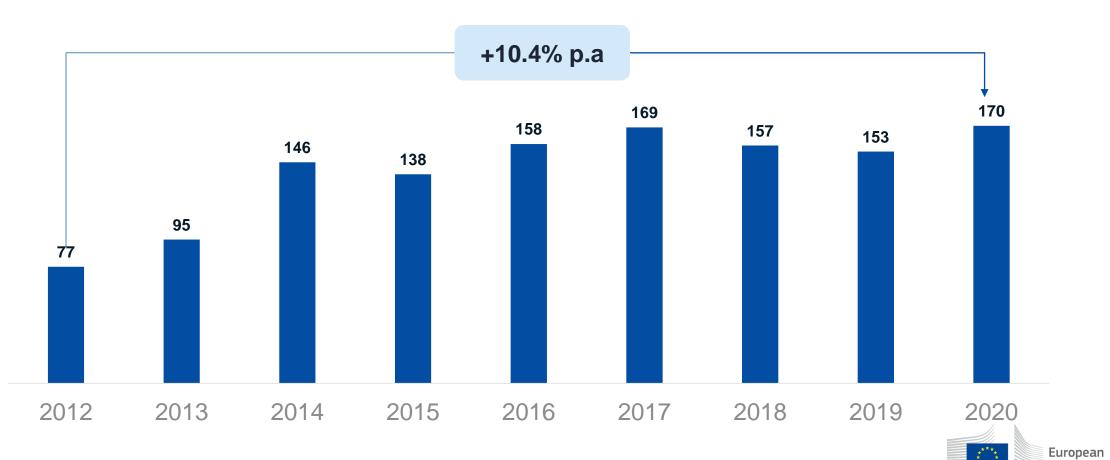
Number of reported natural disasters in Europe, 1951-2021



Commission

Security incidents impacting telecom services

Number of telecom security incidents per year, 2012-2020



Commission

Governmental use cases are evolving, requiring higher performance & global coverage

Governmental service needs



CRISIS MANAGEMENT AND EXTERNAL ACTIONS



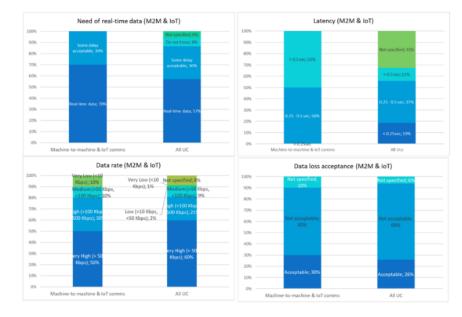
CONNECTING KEY INFRASTRUCTURES



SURVEILLANCE

Evolving requirements

• Performance (Latency, real time data, data rate, data loss acceptance)

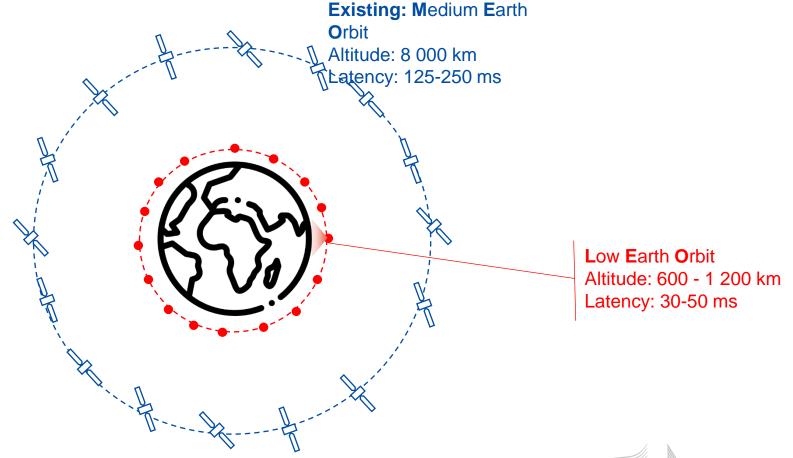


• Global coverage, in particular polar regions



The system aims at complementing existing EU infrastructure

Existing: Geostationary Earth Orbit Altitude: 36 000 km Latency: 600-800 ms

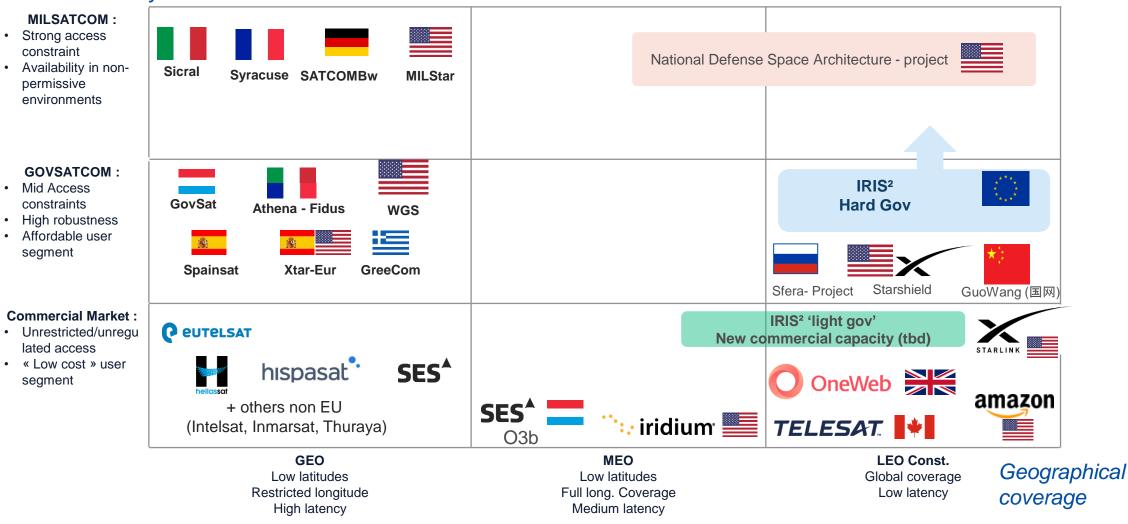


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3 OFFER MISMATCH

And filling a gap that all Space Powers are pursuing

Level of security

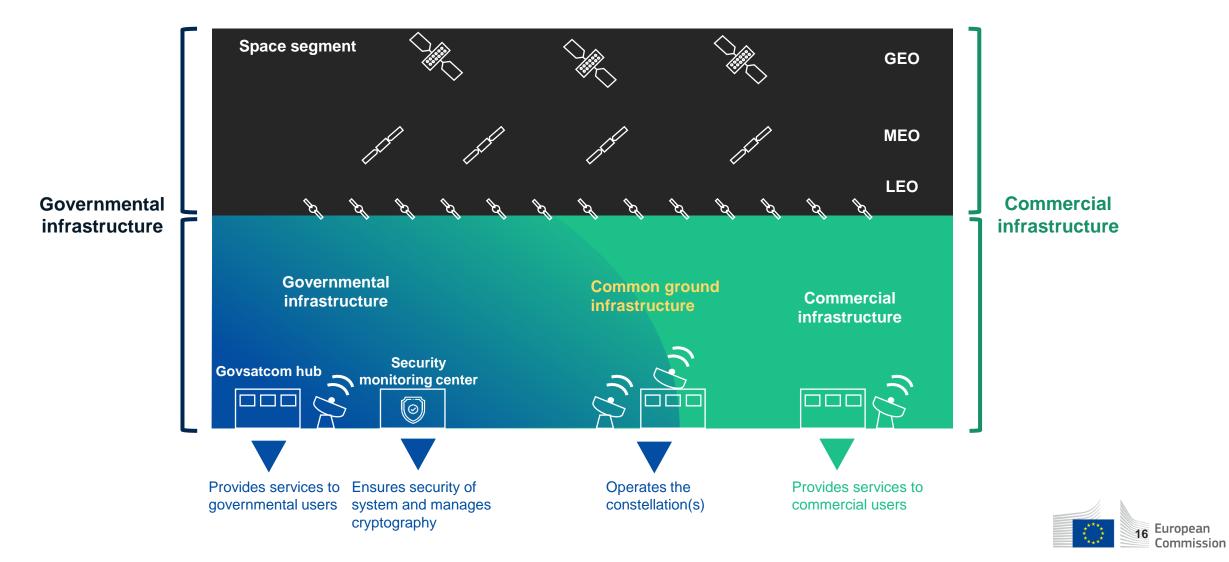


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Infrastructure and services



Infrastructure and ownership of the Programme

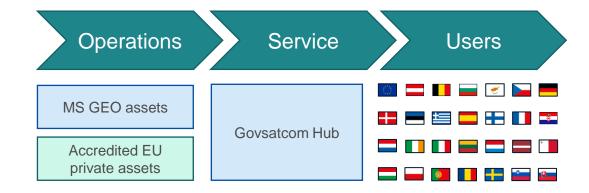


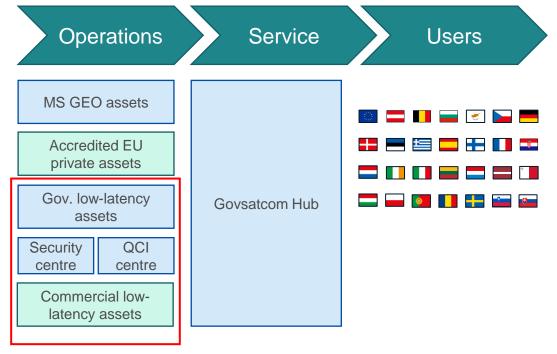
on 16

IRIS² will be built upon the govsatcom infrastructure

GOVSATCOM

SECURE CONNECTIVITY

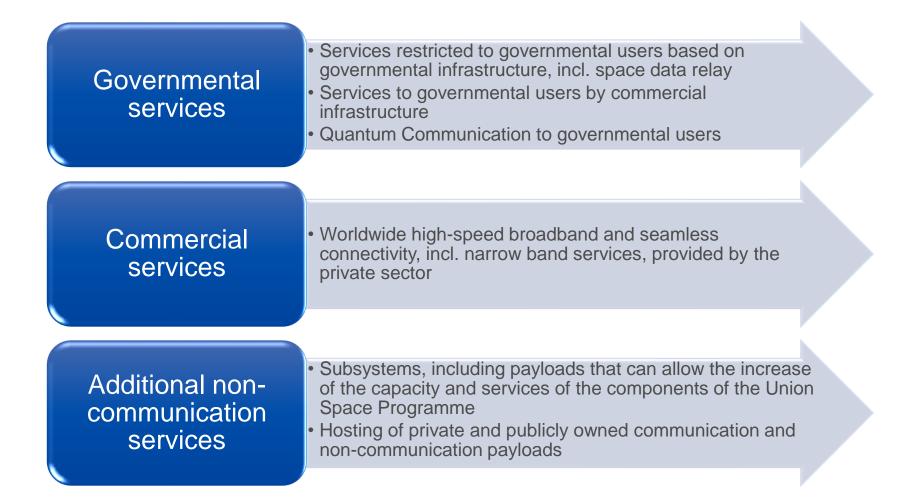




New infrastructure



List of services offered by IRIS²





Actions in support to New Space, start-ups and SMEs



Strengthening the competitiveness of the EU's space sector, especially New Space, start-ups and SMEs

Ensure SMEs and start-ups participation

(through award criteria, SMEs integration plan, possibility to provide own services, 30% of the value of contract above EUR 10 mln to be sub-contracted)

Maximise use of open source technologies, open standards and interoperability

Maximise the use of disruptive technologies

Distruptive

Technology



Governance



Governance of the Programme

Principles of governance

European Commission (overall responsibility)



EUSPA

(accreditation, operational mgmt, service provision)

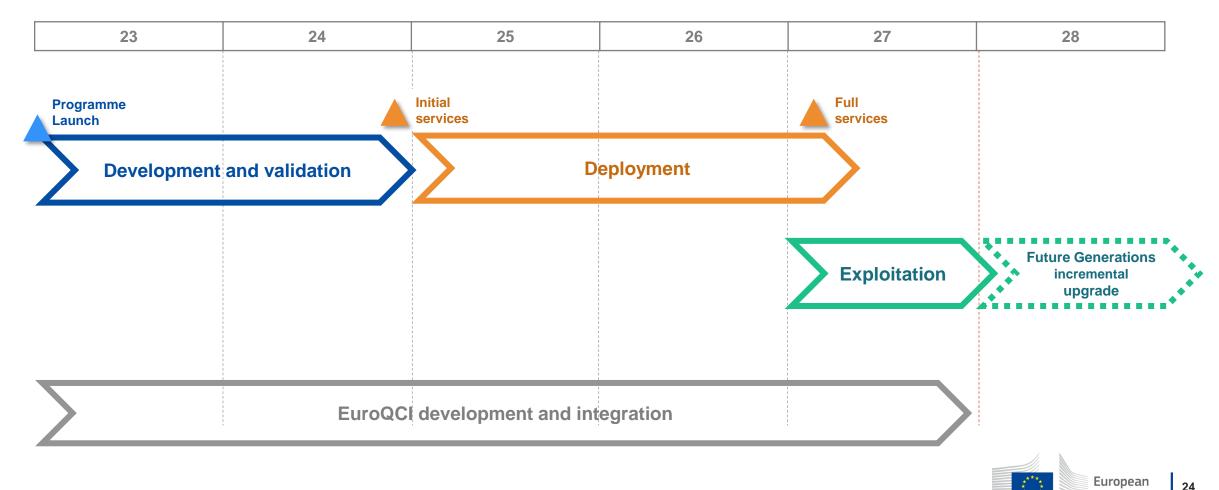




Timeline



Timeline



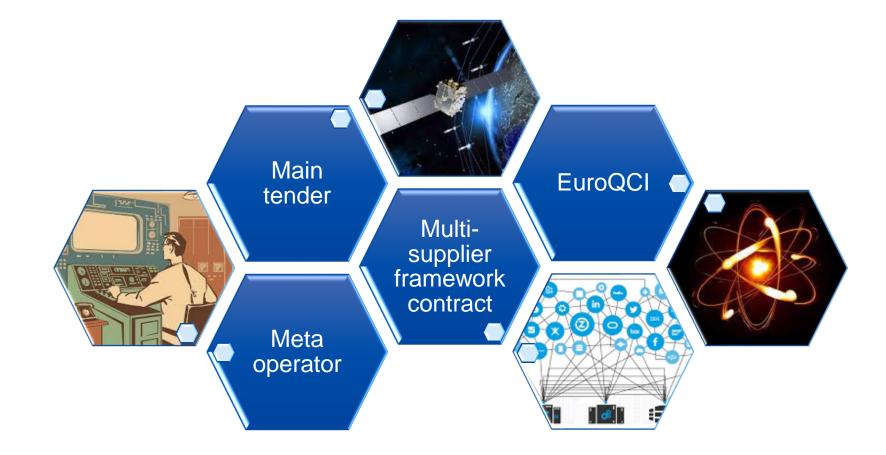
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Commission

IRIS² contractual building blocks



Contractual building blocks





Thank you

