

#innovacion
#ayudascdti
#asesoramiento
#internacionalizacion



El Clúster 4- ESPACIO. Oportunidades movilidad

Andrea Pérez-Carro Ríos
Representante y Punto de Contacto
Nacional (NCP)
CDTI

09/02/2023



IMPORTANTE

Esta presentación tiene carácter informativo y en ningún caso sustituye o reemplaza la documentación oficial publicada por la Comisión Europea

Ante cualquier discrepancia atender a la última versión presentada por la COMISIÓN

Introducción: Programas espaciales en Europa

PROGRAMAS esa



IMAGEN: ESA

ACTIVIDADES UE



PROGRAMA ESPACIAL UE

EGNOS



Copernicus
Europe's eyes on Earth

SSA GOVSATCOM

ACTIVIDADES I+D+i ESPACIO HORIZONTE EUROPA

El sector espacial en Horizonte Europa



Pillar 1 Excellent Science

European Research Council

Marie Skłodowska-Curie Actions

Research infrastructures



Pillar 2 Global Challenges and Industrial Competitiveness

Clusters

1. Health
2. Culture, Creativity and Inclusive society
3. Civil Security for Society
4. Digital, Industry and Space
5. Climate, Energy and Mobility
6. Food, Bioeconomy, Natural resources, Agriculture and Environment

Joint Research Centre



Pillar 3 Open Innovation

European Innovation Council

European innovation ecosystems

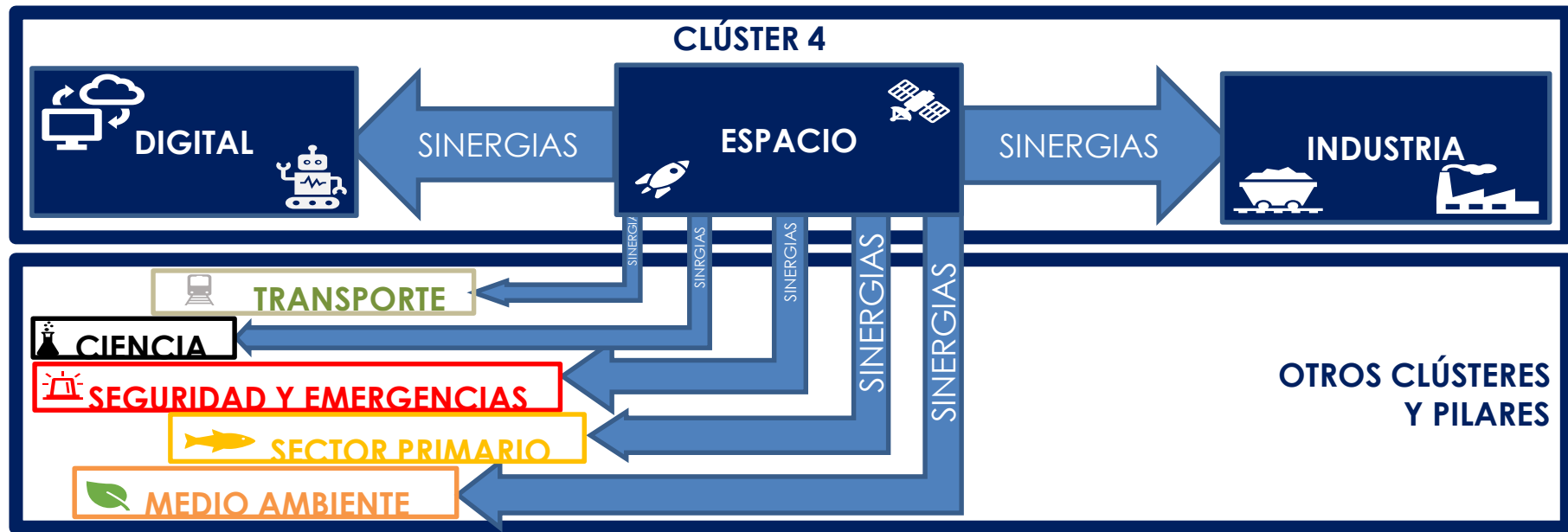
European Institute of Innovation
and Technology

Strengthening the European Research Area

Widening participation and Spreading excellence

Reforming and Enhancing the European R&I system

El sector espacial en el clúster 4



Clúster 4 – Destino 5: ESPACIO



D1 – Climate neutral, circular and digitised *production* TWIN-TRANSITION



D2 – A digitised, resource-efficient and resilient *industry*



D3 – World leading *data* and *computing* technologies



D4 – Digital and emerging *technologies* for competitiveness and fit for the green deal

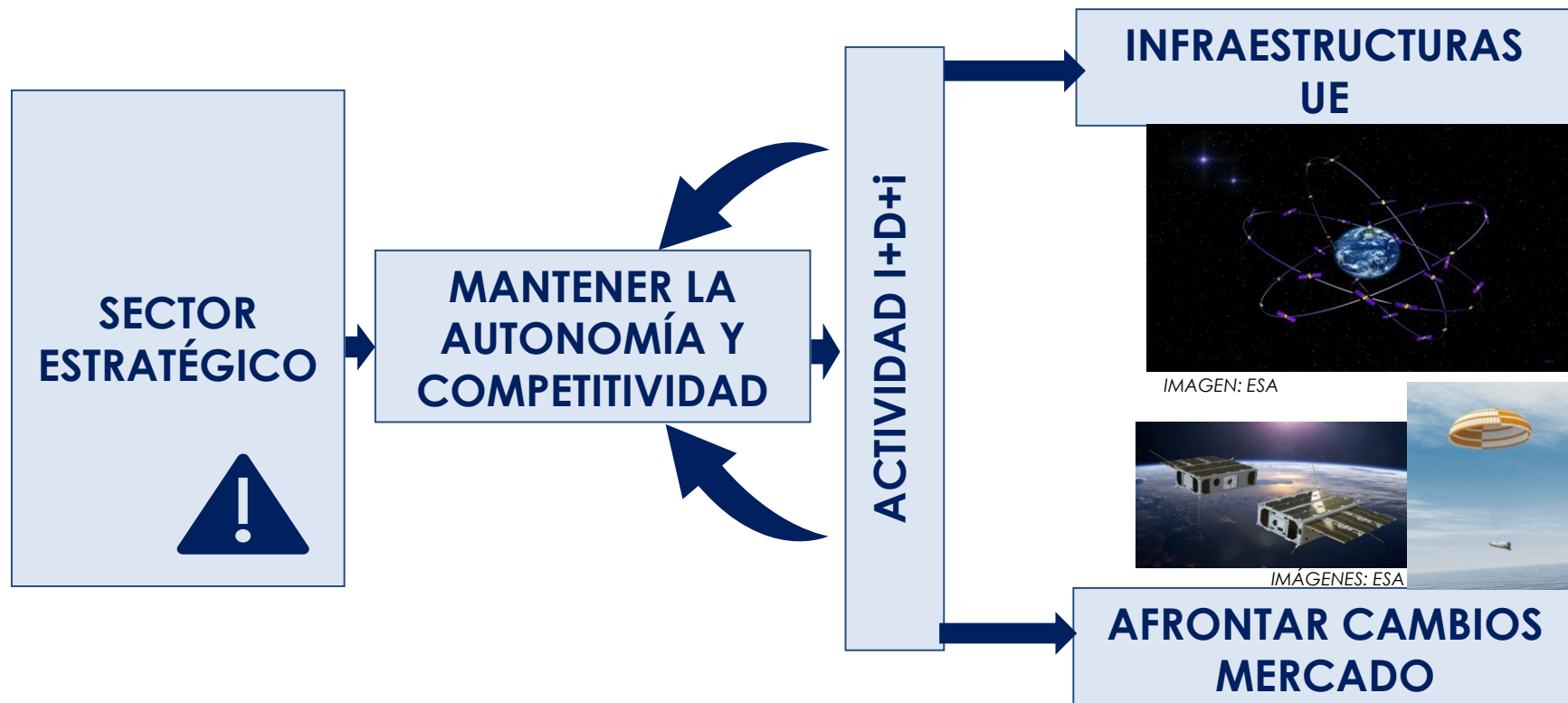


D5 – Strategic autonomy in developing, deploying and using global *space*-based infrastructures, services, applications and data



D6 – A *human-centred* and ethical development of digital and industrial technologies

Estrategia I+i para el sector espacial: dos ejes



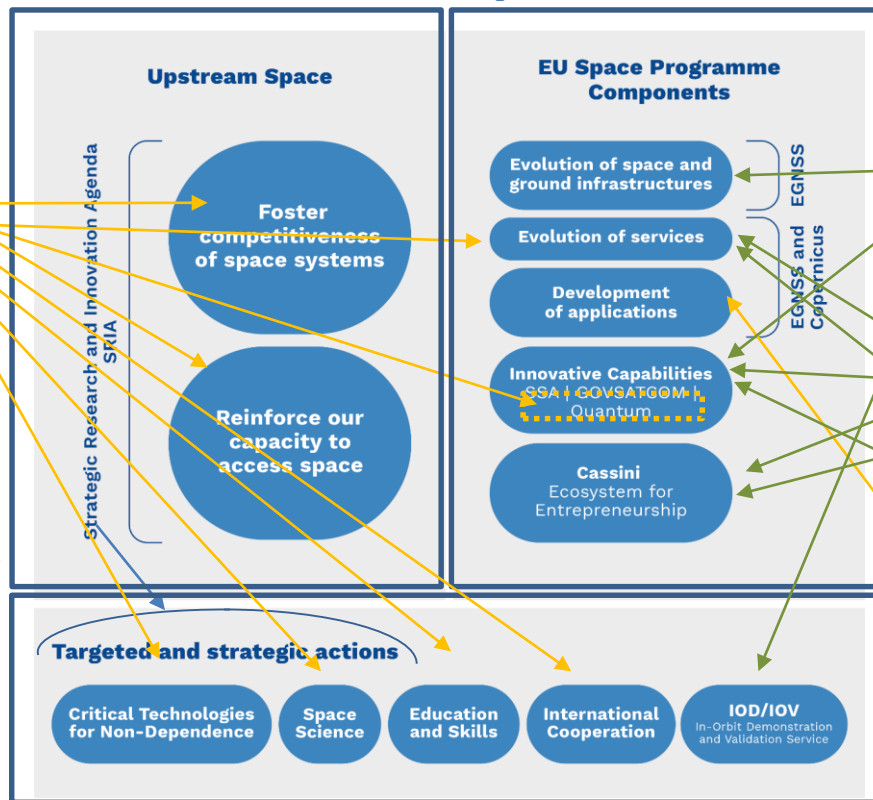
Actividades Horizonte Europa - espacio: diagrama de bloques

EU-funded space R&I

IMPLEMENTACION INDIRECTA (50% presupuesto)

CONVOCATORIAS
HADEA

¡EN
REVISIÓN!



ESA

- GNSS
- GOVSATCOM
- SW+ NEO



EUSPA

COM

EU_SST

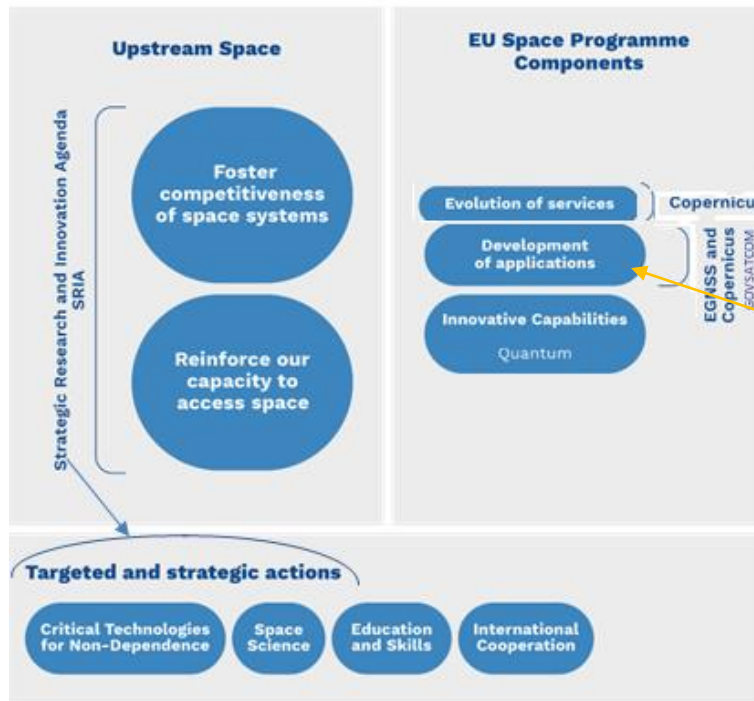
- SST



CONVOCATORIAS
EUSPA

Actividades Horizonte Europa – espacio (CONVOCATORIAS EUSPA)

EU-funded space R&I

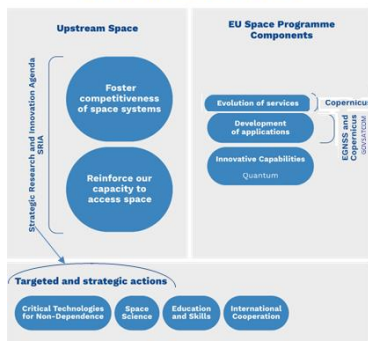


**CONVOCATORIAS
EUSPA**

HORIZON-EUSPA-(AÑO)-SPACE

Estructura del Destino 5 en el Programa de Trabajo

EU-funded space R&I



This Destination is therefore structured along the following headings:

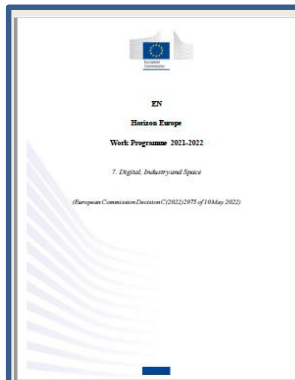
1. Foster competitiveness of space systems
2. Reinforce EU capacity to access to space
3. Evolution of services: Copernicus
4. Development of applications for Galileo, EGNOS and Copernicus and PRS and GOVSATCOM user activities
5. Innovative space capabilities: Quantum
6. Targeted and strategic actions supporting the EU space sector

OTHER ACTIONS

**CONVOCATORIAS
EUSPA**

HORIZON-EUSPA-(AÑO)-SPACE

Convocatorias (EUSPA) del área de espacio



CONVOCATORIA HORIZON-EUSPA-2022-SPACE-02

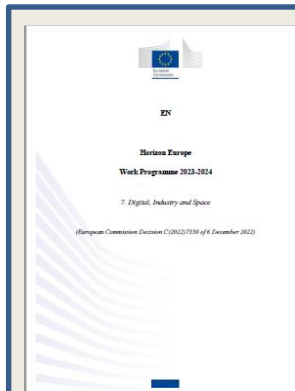
OPEN

3 Noviembre 2022

CLOSE

2 Marzo 2023

ABIERTA!!!



CONVOCATORIA HORIZON-EUSPA-2023-SPACE

OPEN

Octubre 2023

CLOSE

Febrero 2024

Cómo acceder a las convocatorias (SPACE)

The screenshot shows the European Commission's 'Funding & tender opportunities' portal. The header includes the European Commission logo, the text 'Funding & tender opportunities', 'Single Electronic Data Interchange Area (SEDIA)', and language options (English, EN) with 'Register' and 'Login' buttons. A navigation bar contains links: 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. A 'Get started' button is also present. The main content area is divided into filters on the left and a list of opportunities on the right. The filters include 'Submission status' (Forthcoming (4), Open for submission (14), Closed (25)), 'Programming period' (2021 - 2027 (43)), 'Horizon Europe (HORIZON)', 'Programme part' (Digital, Industry and Space), 'Mission' (Select a Mission...), and 'Destination' (Open strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data (43)). The list of opportunities on the right shows details for 'Horizon Europe (HORIZON)', 'Open for submission', 'single-stage', and 'Deadline date' (28 March 2023 17:00:00 Brussels time). A large red prohibition sign is overlaid on the entire screenshot.

Cómo acceder a las convocatorias (EUSPA)



Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)



SEARCH FUNDING & TENDERS ▼

HOW TO PARTICIPATE ▼

PROJECTS & RESULTS

WORK AS AN EXPERT

SUPPORT ▼



Data management of the organizations, search functions under the 'My organisations' tab and adding new organizations to proposals may not be available. The system is currently being performed.

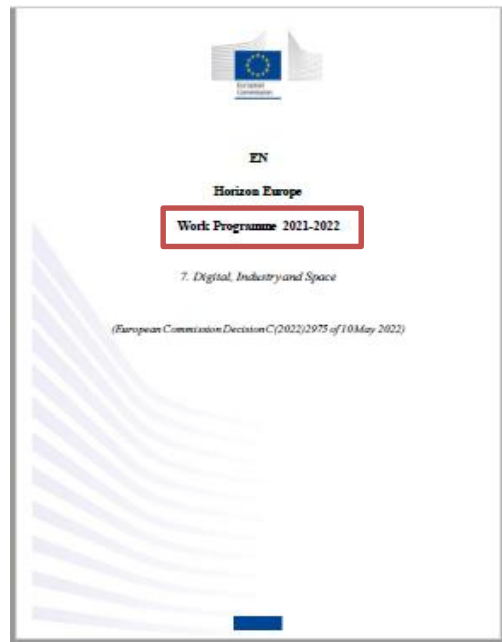
Find calls for proposals and tenders

EUSPA

Search

OJO!!! NO APARECE EN LA DESTINATION!!!

Heading 4: Desarrollo de Aplicaciones y Fomento del uso del Programa Espacial UE



CONVOCATORIA HORIZON-EUSPA-2022-SPACE-02

OPEN	3 Noviembre 2022
CLOSE	2 Marzo 2023



OTHER ACTIONS NOT SUBJECT TO CALLS FOR PROPOSALS.... 435

Grants to identified beneficiaries 435
[.....]

5. Project monitoring (digital) 474

Scientific and technical services by the Joint Research Centre 475

1. Scientific and technical services by the Joint Research Centre 475

2. Criteria for Safe and Sustainable-by-Design advanced materials and chemicals 475

3. Support for the Strategic Implementation Plan of the European Innovation Partnership on Raw Materials and the Action Plan on Critical Raw Materials 476

Indirectly managed actions 476

1. Indirectly managed actions delegated to ESA 476

2. Indirectly managed actions delegated to EUSPA 480

Convocatoria HORIZON-EUSPA-2022

Type of Action	Topic	Indicative budget (EUR mln)	Funding rate
IA	EGNSS applications for Smart mobility	9.5	70% (except for non-profit legal entities, where a rate of 100% applies)
PCP	Public sector as Galileo and/or Copernicus user	5.2	100 %
IA	Copernicus downstream applications and the European Data Economy	9.6	70% (except for non-profit legal entities, where a rate of 100% applies)
RIA	Large-scale Copernicus data uptake with AI and HPC	9.6	100%
RIA	Designing space-based downstream applications with international partners	5,1	100%
RIA	GOVSATCOM Service developments and demonstrations	9,1	100%
TOTAL budget:		48,1	

Open 3 Noviembre 2022
Close 2 Marzo 2023

Innovation action (IA)

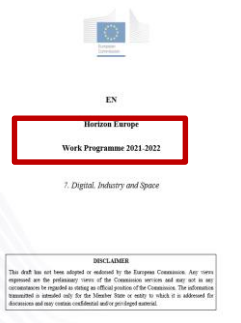
Activities to produce plans and arrangements or designs for new, altered or improved products, processes or services.

Research and innovation action (RIA)

Activities to establish new knowledge or to explore the feasibility of a new or improved technology, product, process, service or solution.

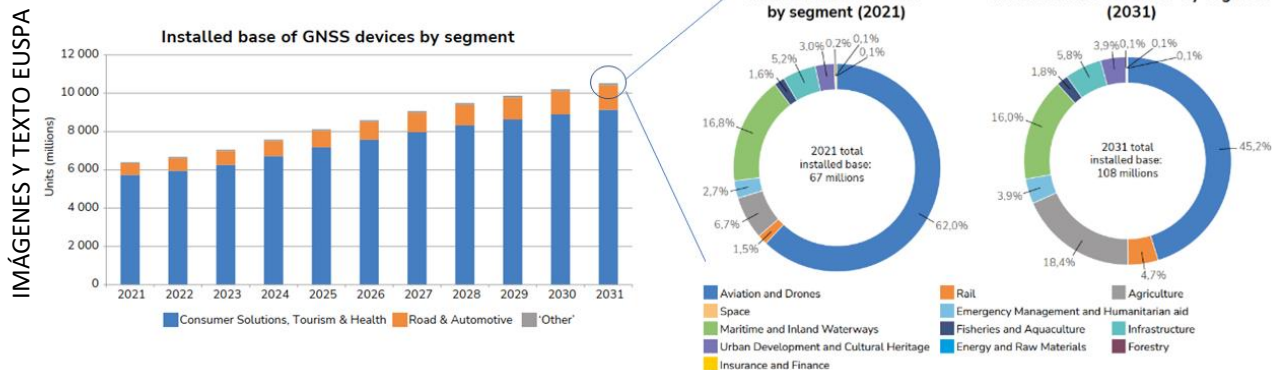
Pre-commercial procurement actions/ (PCP)

Activities that aim to help a buyers' group to strengthen the public procurement of research, development, validation and, possibly, the first deployment of new solutions



PÁGINA 492

Uso de GNSS (GALILEO y EGNOS) para transporte



- La mayoría de los Rx. De GNSS (después del mass market) son para **transporte**:
 - Automoción** (segundo mercado en importancia)
 - En “otros”, **aviación y drones** son el segmento mayor
 - El **marítimo** es el segundo mercado más grande en 2021 y se mantiene estable para 2031
 - El **ferrocarril** crece más de x3 para 2031

Otras aplicaciones de GNSS (GALILEO y EGNOS)



- 10% del PIB de la UE depende de la navegación por satélite
- Soluciones de consumo, turismo y salud
- Apoyo a la agricultura de precisión
- Soluciones de control de tiempos en infraestructuras críticas

Usos de Copernicus

- **Proveedor n.1 de datos de espacio >20 TB/día**
- **Agricultura**
- **Transporte:**
 - Predicciones de las condiciones de las carreteras
 - Modelos de la calidad del aire (movilidad sostenible)
 - Condiciones de la mar (transporte marino)
- **Digitalización: planificación redes 5G/6G**
- **Construcción e infraestructuras**
- **Minería**
- **Energías renovables**



IMÁGENES EUSPA



Convocatoria HORIZON-EUSPA-2022

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IA	EGNSS applications for Smart mobility	9.5	70% (except for non-profit legal entities, where a rate of 100% applies)
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Open 3 Noviembre 2022
Close 2 Marzo 2023

Innovation action (IA)

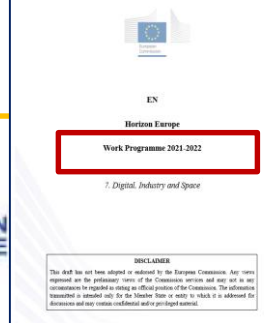
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PÁGINA 492

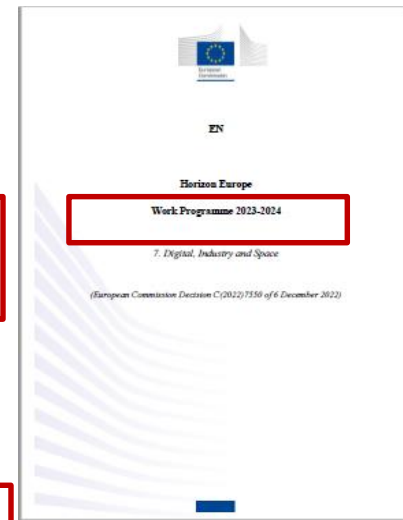
CONVOCATORIA HORIZON-EUSPA-2023-SPACE

OPEN Octubre 2023

CLOSE Febrero 2024

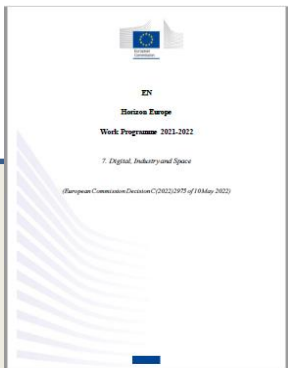
HEADING 4: APPLICATIONS FOR GALILEO, EGNOS AND COPERNICUS, INCLUDING GALILEO PRS & GOVSATCOM

- **HORIZON-EUSPA-2023-SPACE-01-41:** EGNSS - Transition towards a green, smart and more secure post-pandemic society
- **HORIZON-EUSPA-2023-SPACE-01-42:** EGNSS - Closing the gaps in mature, regulated and long lead markets
- **HORIZON-EUSPA-2023-SPACE-01-43:** Copernicus-based applications for businesses and policy-making
- **HORIZON-EUSPA-2023-SPACE-01-45:** Joint test activities for Galileo PRS services
- **HORIZON-EUSPA-2023-SPACE-01-44:** The Galileo PRS Service for governmental-authorized use cases
- **HORIZON-EUSPA-2023-SPACE-01-46:** Designing space-based downstream application with international partners
- **HORIZON-EUSPA-2023-SPACE-01-61:** EU GOVSATCOM for a safer and more secure EU



PÁGINA 454

Topics convocatorias EUSPA con restricciones

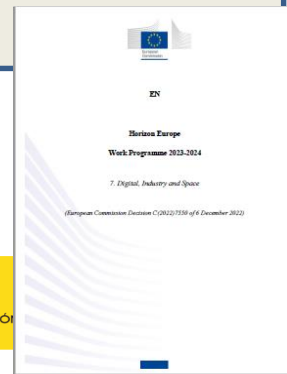


CONVOCATORIA HORIZON-EUSPA-2022-SPACE-02

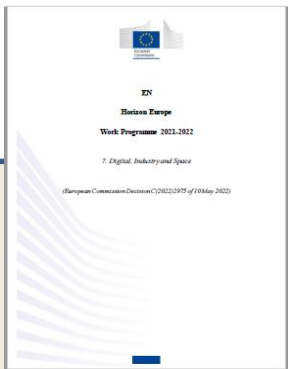
2 topics con restricciones, basadas en el PE de la UE. No afecta a los de movilidad.

CONVOCATORIA HORIZON-EUSPA-2023-SPACE-02

4 topics con restricciones, basadas en el PE de la UE. No afecta a los de movilidad.



Topics convocatorias EUSPA con LUMP SUM

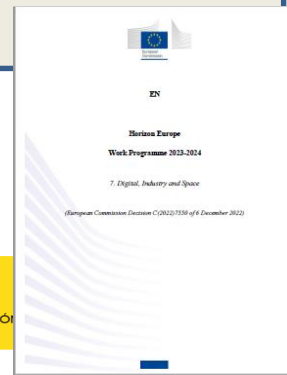


CONVOCATORIA HORIZON-EUSPA-2022-SPACE-02

No hay

CONVOCATORIA HORIZON-EUSPA-2023-SPACE-02

3 topics. No afecta a los de movilidad.



Puntos Nacionales de Contacto- ESPACIO



andreaajulia.perez-carro@cdti.es



ripaca@inta.es

- Infodays y otros eventos
- Distribución de la información
- Servicio gratuito de revisión propuestas/ideas de proyecto
- Apoyo en la búsqueda de socios

Conclusiones

**Actividades UE I+D+i espacio => Horizonte Europa - Clúster 4
+ otros clústeres (espacio sector transversal)**

**Estrategia I+D en dos ejes: Competitividad+
Mejoras y fomento del uso del Programa Espacial UE**

Apoyo de CDTI a los participantes en todo el proceso

+info sobre programas y ayudas CDTI
para
proyectos de I+D empresarial e innovación



@CDTIoficial