

Horizonte Europa

Seguridad de las Sociedades

Jornada informativa

24 de marzo 2025



Oficina de Proyectos
Internacionales

UAB Universitat Autònoma
de Barcelona

Jornada informativa Seguridad de las Sociedades

Oficina de Proyectos
Internacionales

UAB Universitat Autònoma
de Barcelona

10:30 – 10:40 Bienvenida e introducción

Alejandra Campos – senior advisor pre-award - Oficina de Proyectos Internacionales, UAB

10:40 – 11:30 Oportunidades y consejos para las propuestas en Seguridad civil para la sociedad 2025

Maite Boyero, Representante Nacional y Punto Nacional de Contacto de Seguridad civil de las Sociedades de Horizon Europe (clúster 3), CDTI

11:30 – 12:00 Participación de usuarios finales de la Generalitat de Cataluña

Anna Golet, Responsable de proyectos internacionales y fondos europeos, Departamento de Interior y Seguridad Pública

Tere Comellas, Caporal del Área de Cooperación Internacional, Mossos d'Esquadra, Comisaría General de Relaciones Institucionales, Prevención y Mediación, Departamento de Interior y Seguridad Pública

Núria Gasulla, Responsable de Investigación en Previsión del Riesgo, Dirección General de Protección Civil, Departamento de Interior y Seguridad Pública

12:00 – 13:00 Presentación y mesa redonda de experiencias de grupos de investigación de la UAB

Moderadora: **Maite Boyero**, Representante Nacional y Punto Nacional de Contacto de Seguridad civil de las Sociedades de Horizon Europe (Cluster 3), CDTI

Jorge González Conejero, aspectos éticos y legales de la tecnología, Instituto de Derecho y Tecnología, UAB

Cristina Blasi, migración y tecnología, Derecho internacional público y relaciones internacionales, UAB

Ángeles Vazquez Castro, hibridación de protocolos post/quantum cryptography, Telecomunicaciones, UAB

Manel del Valle, sensores y biosensores, Química, UAB

13:00 – 13:15 Espacio de interacción y consultas de los asistentes

Turno de preguntas y comentarios. Espacio para detectar posibles colaboraciones entre los asistentes.

Oficina de Proyectos Internacionales

Alejandra Campos

alejandra.campos@uab.cat

UAB Universitat Autònoma
de Barcelona

La UAB en Horizonte Europa

Horizonte Europa (2021-febrero 2025)



77,8
Million €

143
Projects

2nd
Spanish university

6th
Spanish entity

Oficina de Proyectos Internacionales

RESPONSABLE

GESTIÓN ADMINISTRATIVA Y DE DATOS

PRE-AWARD

POST-AWARD

CIENCIAS SOCIALES
Y HUMANIDADES

CIENCIAS
DE LA VIDA

MEDIOAMBIENTE

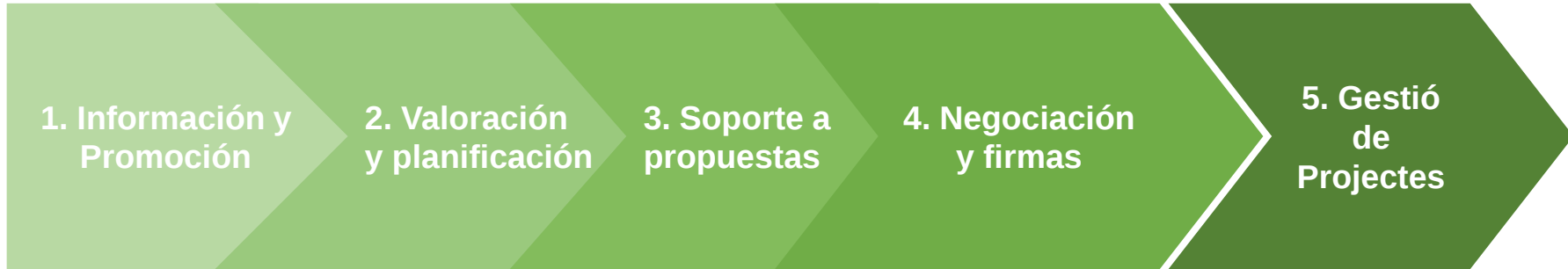
STEM

MSCA

ERASMUS+

EQUIPO DE GESTIÓN DE PROYECTOS

Actividades



Pre-award

1. Información y Promoción

- Conocer la experiencia de los grupos de investigación de la UAB para encontrar financiación de convocatorias internacionales.
- Difundir los programas y convocatorias de acuerdo a las diferentes áreas de conocimiento y líneas de investigación específicos.
- Organizar sesiones informativas.
- Representar a los grupos de investigación de la UAB en *brokerage events*, plataformas tecnológicas y otros foros internacionales.

2. Valoración y Planificación

- Valoración de la idea de proyecto de acuerdo con las convocatorias y tópicos (servicio de evaluación de pre-propuesta)
- En caso de coordinar, establecer la estrategia de apoyo y el calendario para la preparación de la propuesta (tareas y responsabilidades)

Pre-award

3. Soporte a propuestas

- Apoyo en aspectos estratégicos: definición de agentes clave, búsqueda de socios, etc.
- Asesoramiento en temas legales, administrativos y financieros
- Cálculo del presupuesto de acuerdo a las normativas de la CE y de la UAB
- Apoyo durante la redacción de la propuesta, especialmente en las partes no científicas.
- Posibilidad de revisión externa de la propuesta

4. Negociación y firma

- Apoyo durante la fase de negociación e implementación de posibles cambios
- Gestión de firma del contrato de subvención
- Organizar la reunión interna de inicio del proyecto

Post-award

5. Gestión de Proyectos

- Proyectos ERC

Gestión de proyectos y gestión económica; ejecución del gasto del proyecto; seguimiento económico; elaboración de informes de situación; soporte en la preparación de documentación para auditorías y justificaciones.

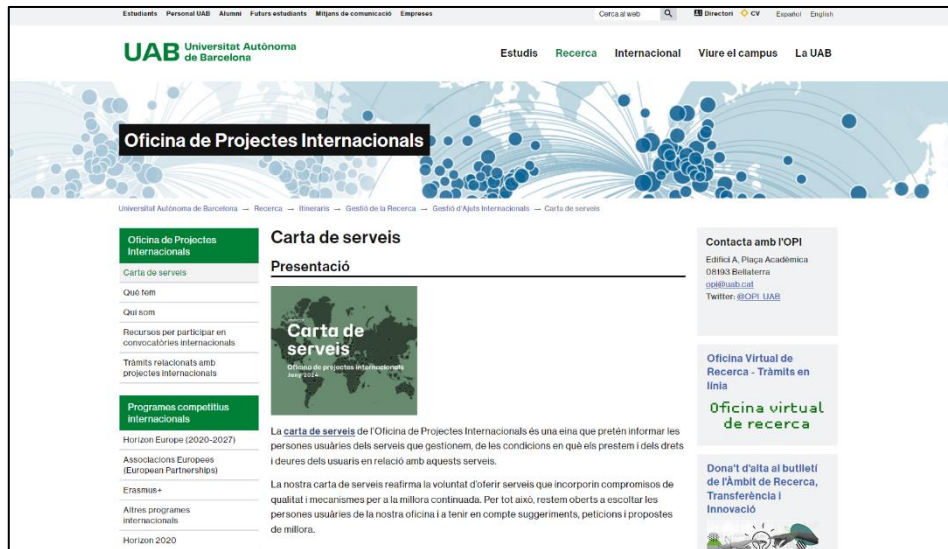
- Proyectos coordinados HEU Pilar 2

Apoyar al coordinador como contacto entre los socios y la CE;
Controlar el plan de trabajo y la implementación del GA y CA;
Asegurar el cumplimiento de las regulaciones internas y de la CE;
Apoyar la organización de la KoM, conferencias y jornadas; apoyar en temas de diseminación y comunicación.

Carta de servicios

Aprobada per la Comissió de Qualitat en 2024

<https://www.uab.cat/doc/CS-OPI-CA>



Aborda

- Misión
- Usuarios
- Servicios
- Compromisos
- Indicadores

<https://www.uab.cat/doc/CS-OPI-CA>

Datos de contacto

Alejandra Campos

alejandra.campos@uab.cat

Oficina de Proyectos Internacionales
opi@uab.cat

#innovacion
#ayudascdti
#asesoramiento
#internacionalizacion

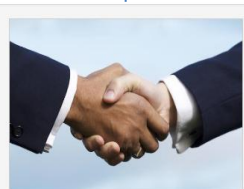


Oportunidades y consejos para las propuestas en Seguridad civil para la sociedad (CL3) 2025



Maite Boyero Egidio
Representante y NCP Clúster 3
Maite.boyero@cdti.es

PILAR 1 – CIENCIA EXCELENTE		25.011	PILAR 2 - RETOS MUNDIALES Y COMPETITIVIDAD INDUSTRIAL EUROPEA		53.516	PILAR 3 – INNOVACIÓN ABIERTA		13.597
ERC - Consejo Europeo de Investigación	16.004		Clúster 1 - Salud	8.246	EIC- Consejo Europeo de Innovación	10.105		
			Clúster 2 - Cultura, creatividad y sociedad inclusiva	2.280				
			Clúster 3 – Seguridad civil	1.596				
			Clúster 4 - Digital, industria y espacio	15.349				
			Clúster 5 - Clima, energía y movilidad	15.123				
			Clúster 6 - Alimentación, bioec. recursos naturales, agricultura y MA	8.952				
MSCA - Acciones Marie Skłodowska-Curie	6.602		JRC – Centro Común de Investigación	1.970	Ecosistemas de innovación europea	527		
Infraestructuras de investigación	2.406				EIT - Instituto Europeo de Innovación y Tecnología	2.965		
Ampliar la Participación y Fortalecer el Espacio Europeo de Investigación							3.393	
Ampliar la participación y difundir la excelencia							2.955	
Reformar y mejorar el sistema europeo de la I+i							438	



International affairs

Issues related to security and migration have an international dimension. That is why, the EU works together with countries across the globe and international organisations on different topics, such as: border management, migration and mobility, fighting terrorism and migrant smuggling.



Law enforcement cooperation

To combat cross-border crime and terrorism, law enforcement authorities of EU countries cooperate and exchange information, such as passenger information collected by airlines (PNR). The agency Europol supports countries in this information sharing.



Internal security

From combatting terrorism to fighting trafficking in human beings and organised crime – by harmonising security related rules across EU countries the EU becomes a safer place. Latest focus is also on combatting cybercrime and preventing cyberattacks.



Digital Economy and Society



Research and Innovation

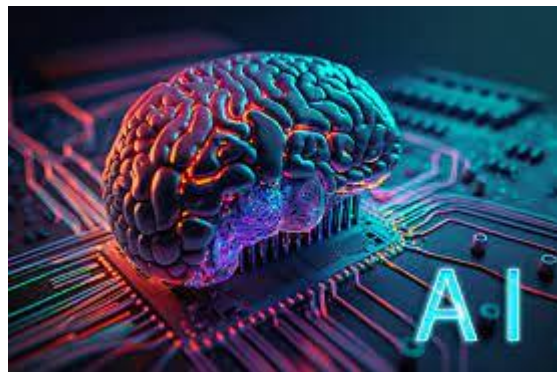


Retos de seguridad

- ✓ Respuesta a **retos geo-políticos, económicos, de seguridad...**
- ✓ Sinergias / Dual-use-Research



Tendencias tecnológicas y tecnologías críticas





Draghi Report
Sep-2024



Heitor Report
Early Oct-2024



Niinistö Report
End Oct-2024



Competitiveness Compass
Jan-2025

EU's von der Leyen proposes €800 billion defense plan



EU Defence Plan
March 2025
White paper on Defence

EC Policy WP-2025
Feb-2025

CERIS
The Community
for European Research
& Innovation for Security
CERIS report
Nov-2024



New EC Priorities
Jul-2024

Letta Report
Apr-2024



Parliament re-elects Ursula von der Leyen as Commission President

Press Releases **PLENARY SESSION** 16-07-2024 - 14:27



EUROPE'S CHOICE

POLITICAL GUIDELINES
FOR THE NEXT EUROPEAN COMMISSION
2024–2029

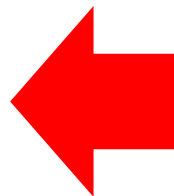
Ursula von der Leyen
Candidate for the European Commission President

1. **A new plan for Europe's sustainable prosperity and competitiveness** → Making business easier; A Clean Industrial Deal; A more circular and resilient economy; Boosting productivity with digital tech diffusion; **Putting research and innovation at the heart of our economy; more investments**; tackling the skills and labour gaps
2. **A new era for European Defence and Security** (including migration)
3. Supporting people, **strengthening our societies** and our social model → **supporting our young people**; A Union of equality.
4. Sustaining our quality of life: **food security, water and nature** → **Climate adaptation, preparedness** and solidarity
5. **Protecting our democracy**, upholding our values
6. A **global Europe**: Leveraging our power and partnerships
7. Delivering together and **preparing our Union for the future**

Jul-2024...



1. The starting point:	
a new landscape for Europe	07
Three transformations ahead for Europe	10
Towards a European response	13
Preserving social inclusion	15
2. Closing the innovation gap	19
Europe's productivity challenge	19
Key barriers to innovation in Europe	24
3. A joint decarbonisation and competitiveness plan	35
The root cause of high energy prices	39
The threat to Europe's clean tech sector.	42
The challenges of asymmetric decarbonisation	44
A joint plan for decarbonisation and competitiveness	46
4. Increasing security and reducing dependencies.	50
Reducing external vulnerabilities	52
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Independent experts call for increased investment to strengthen Europe's research and innovation leadership

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More excellent research, impactful innovation and technology scale-ups are needed to make Europe more globally competitive, secure and sustainable. These are among the twelve expert recommendations presented today to the Commission to strengthen Horizon Europe, the EU research and innovation programme, and its successor.

The recommendations have been drafted by an independent group of 15 leading experts chaired by Manuel Heitor, former secretary of state for science, technology and higher education of Portugal. Their report, entitled 'Align, Act, Accelerate: Research, Technology and Innovation to boost European Competitiveness', highlights the European added value of the EU framework programme for research and innovation (R&I), and puts forward twelve recommendations:

1. Adopt a whole-of-government approach to align research and innovation with the EU strategy for competitiveness and a clean, digital economy.
2. Boost Europe's global competitiveness by fostering impactful research, innovation and scale-ups through a stronger framework programme.
3. Deliver European added value via a portfolio of actions focused on competitive excellence, industrial competitiveness, societal challenges and a strong research and innovation ecosystem.
4. Establish an experimental unit to launch disruptive innovation programmes with fast funding options, such as "ARPA-style" initiatives.
5. Strengthen competitive excellence by expanding funding for European Research Council, European Innovation Council and the Marie Skłodowska-Curie Actions to attract top talent.
6. Create an Industrial Competitiveness and Technology Council to enhance industrial research and innovation investment and ensure relevance to strategic autonomy.
7. Form a Societal Challenges Council to address key societal issues, align with EU strategic priorities and engage with philanthropy and civil society.
8. Build an inclusive and attractive EU R&I ecosystem by securing long-term investments, fostering university alliances and encouraging Member States' co-investment.
9. Simplify the programme by reducing administrative burdens, embracing agile funding and streamlining application processes.
10. Develop an innovation procurement programme to stimulate industrial scaling through demand-driven solutions.
11. Approach international cooperation with a nuanced strategy, tailoring partnerships to specific domains and global geopolitical considerations.
12. Optimise dual-use technology innovation by managing civilian and military R&I programmes separately, leveraging benefits for national security and civilian needs.

https://ec.europa.eu/commission/presscorner/detail/en/ip_24_5305

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Time for a major shakeup of how the EU funds research, expert group says

16 Oct 2024 | News

[FP10](#)
[Planning FP10](#)
[Horizon Europe](#)
[R&D Policy](#)

The chair of the Commission's FP10 advisory group says each part of the next Framework Programme should be run by independent councils

By Martin Greenacre and Florin Zubaşcu



Manuel Heitor, chair of the European Commission's high-level group on Horizon Europe and FP10. Photo: Council of the EU

A group of experts tasked with advising the European Commission on the next Framework Programme for research and innovation is recommending a major overhaul of EU funding instruments.

End Oct-2024...

Safer together:

A path towards a fully prepared Union



Strengthening Europe's civil and military preparedness and readiness: Report by Special Adviser Niinistö

Strengthening Europe's preparedness is a matter of urgency. Europe is facing a new reality, marked by increased risk and deep uncertainty. Since the start of this decade, the EU has experienced the most severe pandemic in a century, the bloodiest war on European soil since the Second World War, and the hottest year in recorded history.

Against this backdrop, Sauli Niinistö – former President of the Republic of Finland and Special Adviser to the President of the European Commission – was tasked by President von der Leyen, together with the High Representative for Foreign Affairs and Security Policy (HR/VP), to prepare a report assessing the complex challenges that the EU and its Member States face and to develop recommendations on how to enhance the EU's civilian and military preparedness and readiness for future crises.

The report underlines the need for an ambitious new approach to our preparedness and readiness. To this end, it presents around 80 recommendations for both short-term and medium to long-term actions.



https://commission.europa.eu/topics/defence/safer-together-path-towards-fully-prepared-union_en

STRENGTHENING EUROPE'S CIVILIAN AND MILITARY PREPAREDNESS AND READINESS – PREFACE

PREFACE

Preparing Europe for a more dangerous world

Security is the foundation on which everything is built

The European Union's security environment has in many ways taken a turn for the worse in recent years. The world is more dangerous and crisis-prone. The continuation of peace cannot be taken for granted and security cannot be seen as a given, as is manifested by the increasing damage caused by climate change. We must be better prepared, not only to survive, but also to thrive in this new reality. This calls for an overhaul of the way we Europeans see the Union's role in keeping us all secure.

The objective of European integration after the Second World War was to create lasting peace among its members. It was seen that only peace and security make development and people's well-being possible. This created a new European spirit and a new idea of cooperation that has taken long steps forward. This is a great achievement of the countries and the community that form today's EU.

Despite all the wars, conflicts and disasters that have taken place in the EU's neighbourhood and beyond, the EU and its Member States have been secure from immediate existential threats since the end of the Cold War.

During the first decades after the Cold War, it became easy to think that security is not something that is a very present concern in our daily lives. Yet, in fact, we need security for everything. This applies equally to individuals, communities, States, and the whole European Union. We cannot see and feel security when we have it, which makes its loss all the more dramatic and painful.

At the start of this decade, Europe has woken up to a new reality. The COVID-19 pandemic was a crisis of a nature and magnitude for which all Member States and the EU as a whole were insufficiently prepared. Russia's full-scale invasion of Ukraine showed that it takes two to maintain peace, but only one to start a war. Russia's invasion also underlined Putin's long-held perception that the West and Western people are weak. Moreover, the increasing damage caused by extreme weather events is forcing Europeans to ask not only how climate change will affect future generations, but also what we need to prepare for today.

The structures, processes and legal basis of the EU have been created over decades without our own security needs at their core. For example, the EU's common foreign, security and defence policies, as well as cooperation on internal security, were all launched in the 1990's when direct threats to the EU were perceived to be at a historic low. What's more, the gravity of the threat of climate change for our livelihoods and way of life had not yet been fully understood.

The optimism of that time stands in sharp contrast to today's security environment. This is increasingly shaped by great power competition and the readiness of authoritarian States to use violence to assert their territorial or political claims. In addition, instrumentalised migration and, for example, disruptions to global supply chains underline the multifaceted nature of threats. We need to make sure our legislation, working methods and tools match the challenges we face. However, at its heart, preparedness is an attitude.

Nov-2024...

Building resilience in the
civil security domain based
on research and
technology - Publications
Office of the EU



This 2024 CERIS report describes how research and innovation can contribute to **strengthening the EU's resilience in the civil security domain**. It has been prepared within the framework of the Community for European Research and Innovation for Security (CERIS).

The report covers the following **10 topics**, based on the CERIS workshops ~~carried out in 2023-2024~~:

1. Ensuring Europe's resilience to internal security threats;
2. Combating child sexual abuse online;
3. Bioterrorist attacks by non-state actors;
4. Disinformation, fake news and hate speech;
5. Community policing;
6. Enhanced disaster resilience and risk governance;
7. Technologies for first responders and interoperability;
8. Border checks and travel facilitation at border-crossing points;
9. Control of goods and trade facilitation;
10. Use of artificial intelligence for security purposes.

The sections advocate for a **collaborative, comprehensive and adaptive approach to security**, involving threat and risk assessment, gap and needs analysis and the strategic use of research and innovation. They underscore the significance of EU policies and programmes, recommending measures to improve the uptake of innovation, enhance strategic autonomy through innovation procurement and promote ethical and legal considerations in security research and development.



Jan-2025...

PRESS RELEASE | Jan 29, 2025 | Brussels | 6 min read

An EU Compass to regain competitiveness and secure sustainable prosperity



Today, the Commission presents the Competitiveness Compass, the first major initiative of this mandate providing a strategic and clear framework to steer the Commission's work.

The Compass sets a path for Europe to become the place where future technologies, services, and clean products are invented, manufactured, and put on the market, while being the first continent to become climate neutral.

Over the last two decades, Europe has not kept pace with other major economies due to a persistent gap in productivity growth. The EU has what is needed to reverse this trend with its talented and educated workforce, capital, savings, Single Market, unique social infrastructure, provided it acts urgently to tackle longstanding barriers and structural weaknesses that hold it back.

President of the European Commission, Ursula **von der Leyen**, said: *"Europe has everything it needs to succeed in the race to the top. But, at the same time, we must fix our weaknesses to regain competitiveness. The Competitiveness Compass transforms the excellent recommendations of the Draghi report into a roadmap. So now we have a plan. We have the political will. What matters is speed and unity. The world is not waiting for us. All Member States agree on this. So, let's turn this consensus into action."*

Three core areas for action: innovation, decarbonisation and security

Study on strengthening EU-funded security research and innovation

20 years of EU-Funded Civil Security
Research and Innovation

Final Report

January 2025

A study prepared for the European Commission Directorate-General
for Migration and Home Affairs (DG HOME)

Study on strengthening EU-funded security research and innovation - Publications Office of the EU

- EU funding has become increasingly important for the European research ecosystem, as **the share of EU funding compared to alternative funding streams has increased over the years**
- Complementary objectives and perspectives also reflect the richness of the European security ecosystem, often leading to **diversified solutions tailored to addressing the existing operational needs**
- **Projects at nearly all times touch upon important political priorities and are in the vast majority of cases aligned with the goals and ambitions set out at the political level**
- **Development of new, global market segments in which EU companies strive** (e.g., in the area of border control, biometrics and identity verification technology). Moreover, stakeholders reported that the funding programmes **contributed to the competitiveness of the EU security market to the rest of the world**
- Continuous research and innovation driven by the European Commission **has effectively contributed to the development of capabilities**

EU leaders boost defense despite Hungarian veto — as it happened

Follow every twist and turn as European leaders discuss a new defense plan.

SHARE



POLITICO photo-illustration/Source images by Getty

MARCH 5, 2025 6:00 PM CET
BY POLITICO

@HorizonteEuropa

Leaders of the EU's 27 countries have concluded their emergency summit in Brussels to thrash out a new defense plan — at one of the most pivotal moments for the bloc's security since World War II.

After President Donald Trump's efforts to pressure Ukraine to concede to Russia and disengagement of the U.S. from Europe's security, EU leaders broadly agree Europe must rearm, to be able to defend Kyiv — and itself.

While disunity is usually kept behind closed doors, Hungarian Prime Minister Viktor Orbán vetoed the leaders' statement, meaning the final agreement to arm Ukraine was endorsed by the other 26 leaders only.

The five-point agreement, which affirms that there must be no negotiations on Ukraine without Ukraine and commits to providing Ukraine with €30.6 billion in 2025, came after a 1.5-hour discussion with President Volodymyr Zelenskyy.

All 27 endorsed a proposal to dramatically boost defense spending by up to €800 billion across the bloc, using a range of new funding instruments.



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES

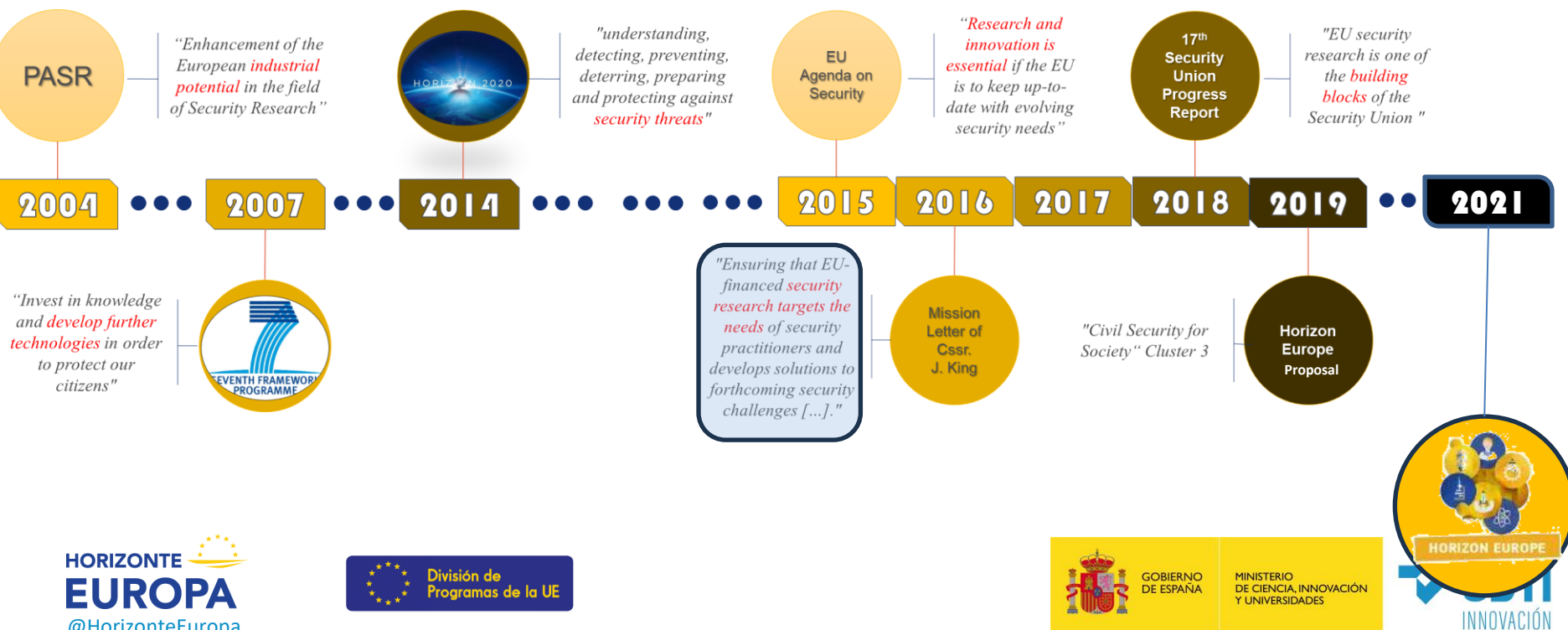




Future of European defence - European Commission

Volvamos al Clúster 3...

Evolución del programa EU Security Research and Innovation*



* Agradecimientos a David Ríos

Algunas cifras sobre el Programa de I+D+i en Seguridad (2007-2023)

- 762 proyectos financiados
- +3.500 M€ (2007-2023) → representa el 50% del presupuesto total Europeo dedicado a I+D+i en Seguridad, incluyendo programas nacionales
- + 5.000 participaciones individuales




European
Commission

MAKING EU COUNTRIES MORE SECURE

EU research and innovation
tackles challenges to civil security

What is EU civil security research?

EU civil security research provides innovations, modern technologies and data to governments, EU and national authorities, businesses and researchers, on topics of strategic importance for Europe's security. These range from fighting crime and terrorism, to strengthening external border management, ensuring our cybersecurity, and helping our society get ready for disasters due to climate change.

Under Horizon Europe, the EU's research and innovation programme for the period 2021-2027, EUR 1.6 billion are available for civil security research. For 2021 and 2022 alone, EUR 413.8 million have already been programmed to support these EU policy priorities:

- protection against crime and terrorism;
- effective management of EU external borders;
- a reliable, robust and resilient operation of infrastructures;
- increased cybersecurity; and
- a disaster-resilient society for Europe.



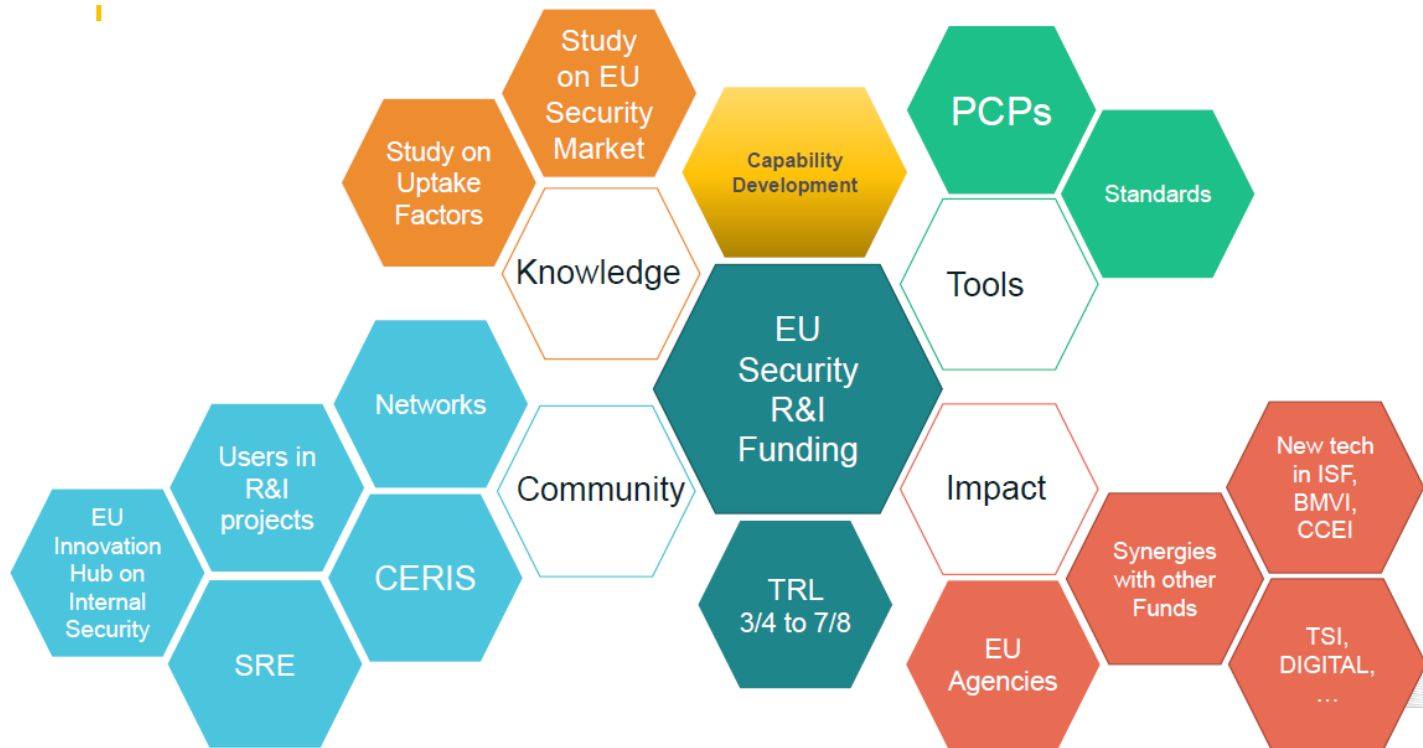
The current research programme builds on past research. Between 2014 and 2020, under the [Horizon 2020 research programme](#), the EU spent around EUR 1.2 billion on [349 R&D projects](#) for civil security, some of which are still ongoing. Many of [the technologies developed under these projects](#) already benefit society. For example:

- The decision tools for **pandemic management** used throughout the EU to contain the Covid-19 pandemic were a direct result of EU-funded security research.
- R&D in the field of disaster resilience led to the setting up of a [pan-European early warning platform](#), used by civil protection authorities for identifying situations arising from extreme weather events, such as **flash floods, storm surges, droughts, wildfires and heatwaves**.

Research and
Innovation

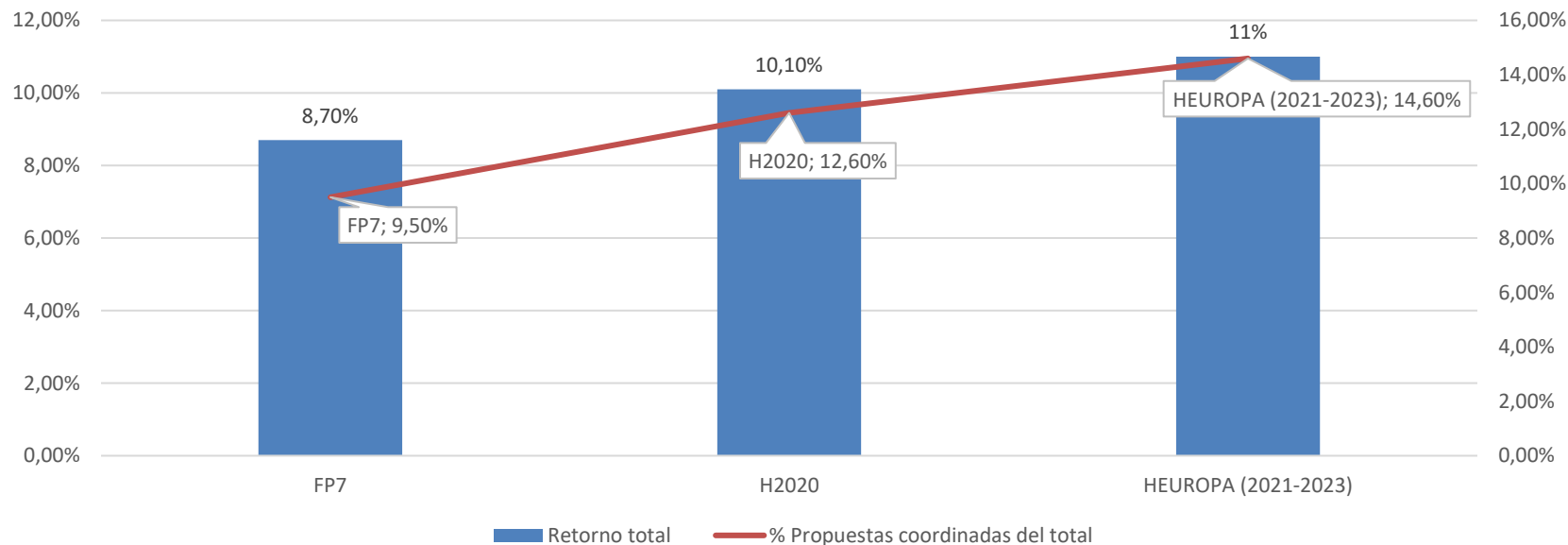
20 July 2022

Pero, además, generando ecosistema

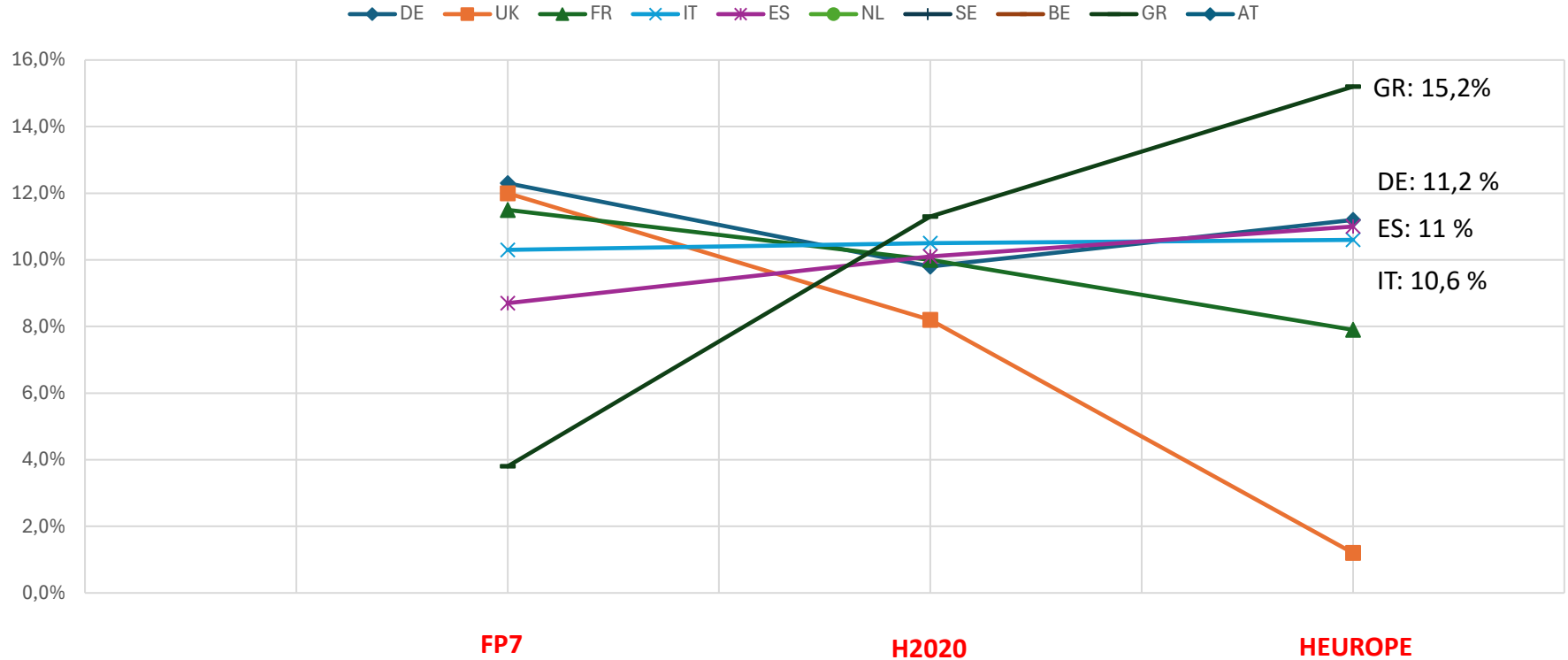


Participación española en CL3 (2007-2023): Excelentes resultados

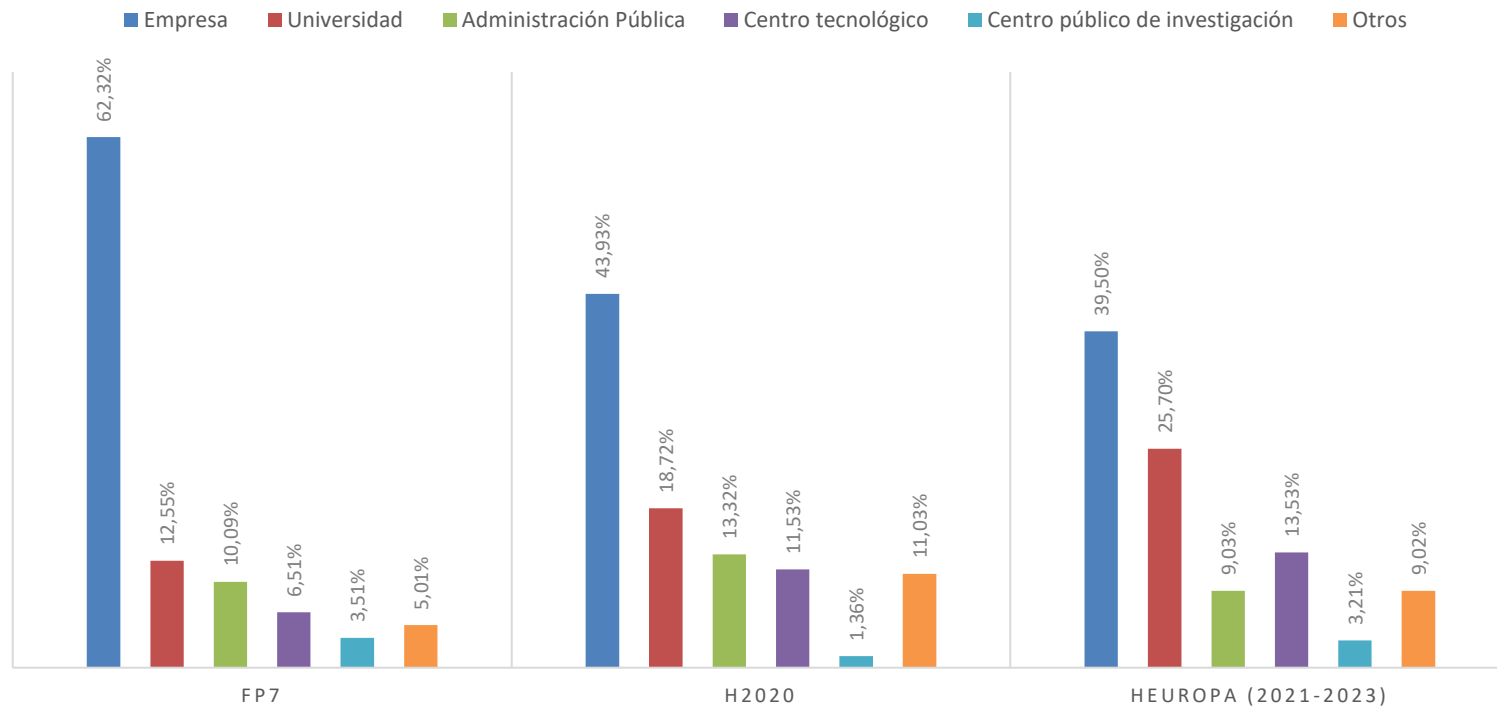
Retorno España - Propuestas coordinadas



RETORNOS POR PAÍS

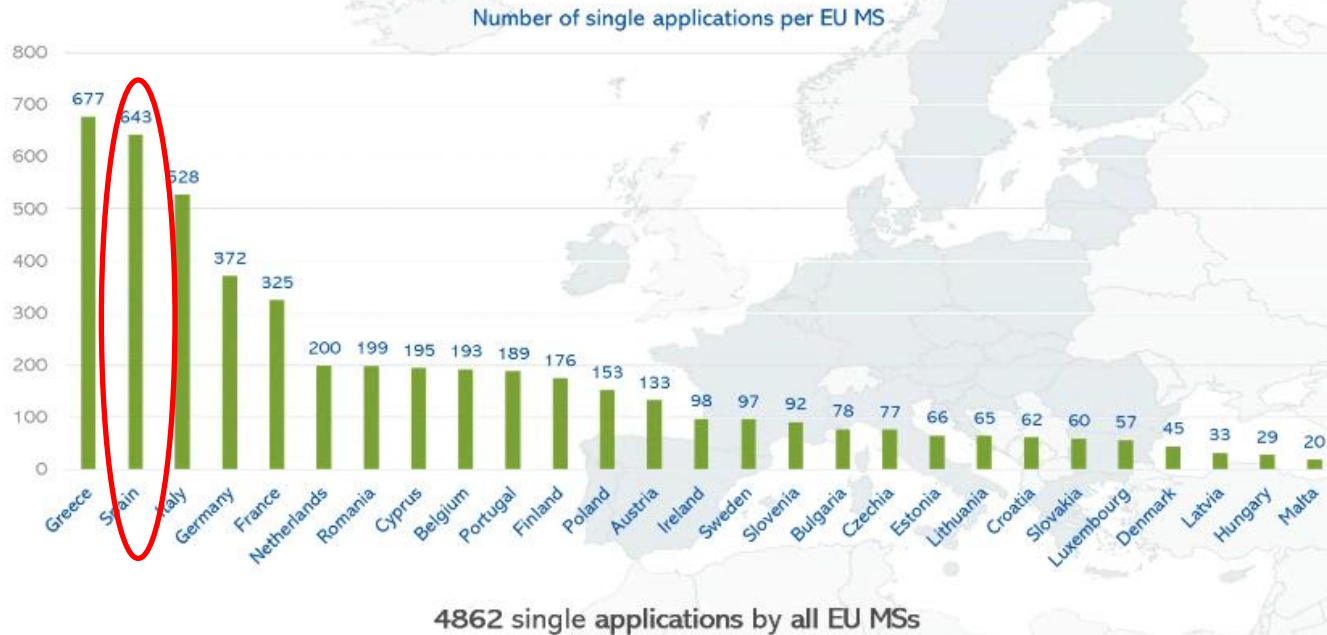


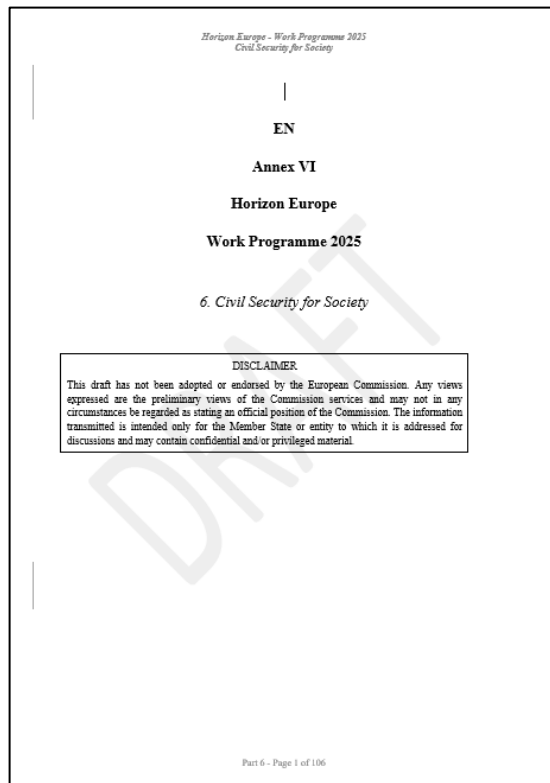
RETORNOS ESPAÑOLES POR TIPO DE ENTIDAD



Estadísticas 2024: participación

2024 Calls – Participation of EU MSs





- **Convocatoria 2025:**
 - Borrador a punto de ser aprobado
 - Abre: 12 de Junio de 2025
 - **Cierra: 12 Noviembre de 2025*** 5pm CET
- **Algunos detalles:**
 - Principalmente: **“Open Topics”**
 - Se financiará + de 1 propuesta por topic
 - Total presupuesto convocatoria: ~ 200 M€, y sólo en CS: 90M€
 - Rol de los Usuarios finales es fundamental

Destination FCT – Fight against crime and terrorism



- HORIZON-CL3-2025-01-FCT-01: Open topic on **modern information and forensic evidence analysis and on frontline policing**
- HORIZON-CL3-2025-01-FCT-02: Open topic on **prevention, detection and deterrence of various forms of crime and terrorism through an enhanced understanding of the related societal issues**
- HORIZON-CL3-2025-01-FCT-03: Open topic on **improved intelligence picture** and enhanced prevention, detection and deterrence of various forms of organised crime
- HORIZON-CL3-2025-01-FCT-04: **Humanitarian demining / Unexploded Ordnance Disposal (UXO) of civil areas** and unexploded ordnance risk education

Políticas asociadas

- Police cooperation package (information exchange , automated data exchange for police cooperation - “Prüm II” , operational cross-border police cooperation);
- Counter-Terrorism Agenda for the EU (incl. Regulation 2021/784/EU on addressing dissemination of terrorist content online & Directive 2017/541/EU on combating terrorism);
- EU C-UAS Strategy (counter-drone policy);
- EU Strategy to Tackle Organised crime ;
- EU Strategy on combatting Trafficking in Human Beings (the modified Directive on preventing and combating trafficking in human being and protecting its victims), and the Proposal to strengthen EU legislation to prevent and fight migrant smuggling (notably its aspect of reinforcing Europol's role in the fight against migrant smuggling and trafficking in human beings);
- EU drugs measures (Strategy , Action Plan and Roadmap to fight Drugs Trafficking and Organised Crime);
- EU environmental crime measures (review of the Directive 2008/99/EC on protection of the environment through criminal law);
- EU anti-corruption measures (Communication , proposal for a Directive);
- Directive (EU) 2019/713 on non-cash means of payment;
- EU strategy on a more effective fight against child sexual abuse (incl. Proposal for a regulation to prevent and combat child sexual abuse); and
- EU Regulation (2022/2371) on serious cross-border threats to health.

✓ **Temas que se abordan en las convocatorias FCT:**

- **Herramientas de apoyo a LEAs para hacer frente al crimen**, incluido el cibercrimen y el terrorismo, **así como el crimen organizado** → I.e., contrabando, blanqueo de capitales, robo de identidad, tráfico de Drogas, medicamentos, crimen medioambiental o tráfico de bienes culturales.
- Capacidades para **analizar en tiempo real** grandes volúmenes de datos para investigar crimen organizado o combatir la desinformación y las “fake news”: herramientas de inteligencia, análisis forense, físico y ciber, etc.
- **Aspectos sociales y humanos** → ej., explotación sexual infantil, radicalización, tráfico de seres humanos, corrupción, etc., así como apoyo a las víctimas
- **Amenazas NBRQ-E** desde el punto de vista criminal o terrorista
- Seguridad de **espacios públicos y Seguridad urbana** → Implicación de autoridades municipales, proveedores de Servicios públicos/privados, primeros respondientes y ciudadanos

✓ **Otros programas relacionados** → **Internal Security Fund**

Destination BM – Border Management



- HORIZON-CL3-2025-01-BM-01: Open topic on **efficient border surveillance and maritime security**
- HORIZON-CL3-2025-01-BM-02: Open topic on **secured and facilitated crossing of external borders**
- HORIZON-CL3-2025-01-BM-03: Open topic on **better customs and supply chain security**

Políticas asociadas

- Pact on Migration and Asylum ;
- Multiannual Strategic Policy for European Integrated Border Management
- Capability Roadmap of the European Border and Coast Guard ;
- EU legislation to prevent and fight against migrant smuggling ;
- Digitalisation of travel documents and facilitation of travel ;
- EU Maritime Security Strategy ;
- Customs reform .

✓ Aspectos clave / Retos:

❑ Garantizar una mejora en las fronteras:

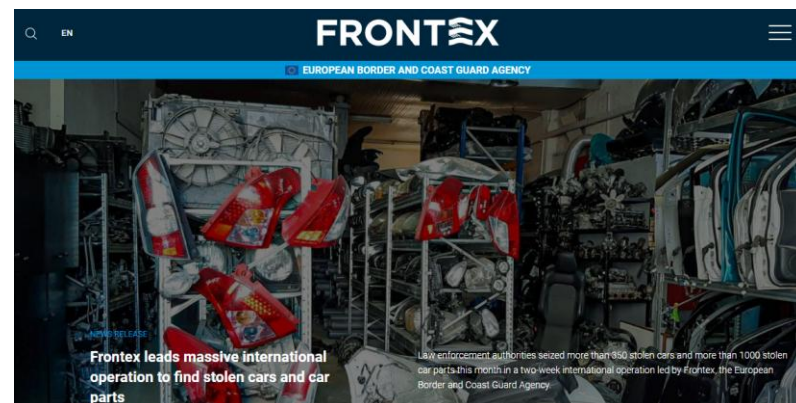
- Mejorando los border checks
- Interoperabilidad entre sistemas
- *Situational awareness* y apoyo
- Gestión y control de identidades

❑ Garantizar el correcto transporte de mercancías

❑ Agencias de la UE relacionadas:

FRONTEX, EU-LISA

✓ Sinergias con el Integrated Border Management Fund y el European Defence Fund



NEWS AND EVENTS

Frontex has a new EU research tab!

2020-10-29

Frontex is delighted to announce the launch of a new section in its website, which contains information on the activities of the Agency and EU funded projects that conduct research and innovation in the border management and border security domains.

Destination INFRA – Critical Infrastructures Protection



- HORIZON-CL3-2025-01-INFRA-01: Open topic for **improved preparedness for, response to and recovery from large-scale disruptions of critical infrastructures**
- HORIZON-CL3-2025-01-INFRA-02: Open topic for role of **the human factor for the resilience of critical infrastructures**

Políticas asociadas

- Security Union Strategy ;
- EU Counter-Terrorism Agenda ;
- EU Cybersecurity Strategy ;
- NIS2 Directive ;
- CER Directive ;
- EU Adaptation Strategy ;
- EU Maritime Security Strategy ;
- EU Aviation Security Strategy ;
- Europe-wide Climate Risk assessment (EUCRA) and Commission Communication on Managing Climate Risks ;
- Joint Framework on Countering Hybrid Threats and the Joint Communication on Increasing Resilience and Bolstering Capabilities to Address Hybrid Threats ;
- EU C-UAS Strategy ;
- EU Space Strategy for Security and Defence ;
- EU Disaster Resilience Goals
- 'Nature-Based Solutions and Re-Naturing Cities'

Temas que se cubren en las convocatorias INFRA:

- ✓ **Resiliencia de grandes Sistemas e Infraestructuras inter-conectadas**, en caso de ataques complejos (cíber y/o físicos), pandemias o desastres
- ✓ Sistemas de Protección de las Infraestructuras mejorados que respondan rápidamente y sin necesidad de intervención humana a amenazas y retos complejos, asegurando la **resiliencia y autonomía estratégica de las** infraestructuras Europeas
- ✓ **Smart cities más resilientes y seguras**



ENERGY



HEALTH



TRANSPORT



FINANCIAL



ICT



WATER



FOOD



PUBLIC & LEGAL
ORDER AND
SAFETY



CHEMICAL &
NUCLEAR
INDUSTRY



SPACE AND
RESEARCH

Destination DRS – Disaster-resilient societies



- HORIZON-CL3-2025-01-DRS-01: Open topic on citizen and regional and/or local authorities' engagement in **enhanced disaster risk awareness, including education, and preparedness**
- HORIZON-CL3-2025-01-DRS-02: Open topic on Improving **disaster risk management and governance** to ensure self-sufficiency and sustainability of operations in support of enhanced resilience
- HORIZON-CL3-2025-01-DRS-03: Open topic on **testing / validating tools, technologies and data used in cross-border prevention, preparedness and responses to climate extreme and geological events and chemical, biological or radiological emergency threats**
- HORIZON-CL3-2025-01-DRS-04: **Advancing autonomous systems and robotics for high-risk disaster response**, strengthening disaster resilience in conflict-afflicted crisis zones



Disaster Resilient Society

DG HOME
Internal Security

COM(2009) 273 final
CBRN Action Plan
+ **COM(2014)247 final**
CBRN-E risks
+ **European Agenda on Security**

DG ECHO
Civil Protection

Decision 1313/2013
EU Civil Protection
Mechanism

Environmental threats

DG ENV
Environment

Decision 1386/2013
Environment Action
Programme
Directive 2012/18/EU
(Seveso III Directive)

Climate threats

DG CLIMA
Climate action

EU Climate Adaptation
Strategy

Health threats

DG SANTE
Consumer Health

Decision 1082/2013
Serious cross-border
threats to health

DG ENER
Energy

Regulation 347/2013
Trans-European Energy
Infrastructure
Directive 2009/7/EU
Safety of nuclear
installations

DG MOVE
Transport

Decision 661/2010
Trans-European Transport
Network

DG TAXUD
Customs

EU Custom policy for
supply chain security and
use of customs detection
technology for CBRN-E

DG DEVCO
International
cooperation

CBRN-E Centres of
Excellence

EEAS
Ext. security

Intergovernmental

+ UN Bodies, NATO

Nuclear non-proliferation treaty
Chemical Weapons Convention
Biological Weapons Convention

DG GROW
Enterprise & Industry

Security Industrial policy
COM(2012)417 final
Internal Security Strategy
COM(2010)673 final
European Agenda on Security

DG TRADE

Regulation 428/2009
Transit of dual use items

HORIZON
2020

EU Research

EDA
Defense

Joint Investment
Programme / EFC

Destination CS – Cybersecurity



- **HORIZON-CL3-2025-02-CS-ECCC-01: Generative AI for Cybersecurity applications → 40 M€**

- HORIZON-CL3-2025-02-CS-ECCC-02: New advanced tools and processes for **Operational Cybersecurity**
- HORIZON-CL3-2025-02-CS-ECCC-03: **Privacy Enhancing Technologies**
- HORIZON-CL3-2025-02-CS-ECCC-04: Security evaluations of **Post-Quantum Cryptography (PQC) primitives**
- HORIZON-CL3-2025-02-CS-ECCC-05: **Security of implementations** of Post-Quantum Cryptography algorithms
- HORIZON-CL3-2025-02-CS-ECCC-06: Integration of **Post-Quantum Cryptography (PQC) algorithms into high-level protocols**

Políticas asociadas

- **Estrategia Europea de ciberseguridad (diciembre 2020)**
- ***Legislation NIS Directive 2.0: scope, OES, enforcement...; Sectorial legislation/ coordination: finance, energy...***
- ***EU Cyber Act : ENISA build-up, certification (schemes, groups, rolling work program)***
- ***Coordination : Cyber response Blueprint > Joint Cyber Unit ; 5G Recommendation > threat landscape > toolbox (EU Council conclusions)***
- ***Cyber-resilience ACT***
- ***Investment : Current and future funding programs: CEF, Horizon Europe, Digital Program, RRF...; Cyber competence center and network***
- Ethics Guidelines for Trustworthy AI,
- AI Act,
- the Data Strategy

Destination SSRI – Strengthening Security Research and Innovation

- HORIZON-CL3-2025-01-SSRI-01: **National Contact Points (NCPs)** in the field of security and cybersecurity fostering the links with National Community building for Safe, Secure and Resilient Societies
- HORIZON-CL3-2025-01-SSRI-02: **Uptake Acceleration Services**
- HORIZON-CL3-2025-01-SSRI-03: Open grounds for **pre-commercial procurement** of innovative security technologies
- HORIZON-CL3-2025-01-SSRI-04: **Accelerating uptake through open proposals for advanced SME innovation**
- HORIZON-CL3-2025-01-SSRI-05: **Data repository for security research and innovation**
- HORIZON-CL3-2025-01-SSRI-06: Demand-led innovation for civil security through **Pre-Commercial Procurement (PCP)**

**Otros aspectos a tener en cuenta en el
Programa**

El Escrutinio de propuestas de Seguridad

- **En qué consiste?** → Análisis de los entregables y actividades de la propuesta en cuanto al uso de background, manejo o generación (foreground) de información/datos sensibles de comprometer aspectos de seguridad nacional. **OBLIGATORIO CUMPLIMENTAR LA "SECURITY SECTION" (Part B - 3)**
- **Cuándo se realiza?** → Después de evaluación técnica y en paralelo al panel de aspectos éticos y de protección de datos.
- **Cuál puede ser el resultado?** → Puede dar lugar a clasificación de entregables, a actividades, o al total de la propuesta.

ATENCIÓN: EN HEU NO se financian "proyectos que contengan información clasificada".

- ☐ Proposal with No Security Concerns (NSC)
- ☐ No classification but Recommendations for the grant agreement preparation
- ☐ "Restricted UE" and recommendations for the grant agreement preparation
- ☐ "Confidential UE" and recommendations for the grant agreement preparation
- ☐ "Secret UE" and recommendations for the grant agreement preparation
- ☐ Not to finance the proposal

- **Qué es un “proyecto sensible”?** → Es aquel que o bien contiene información clasificada; o bien contiene información o material sujeto a restricciones de seguridad; o bien contiene material sujeto a control de exportación/transferencia.
ATENCIÓN: NO punto de vista de confidencialidad comercial o explotación.
- **Qué cosas son “sensibles” en una propuesta?** → Los aspectos “sensibles” en una propuesta son desde el punto de vista temático (subject of research) o tipológico (type of research).

Potential sensitive **subject of research:**

- ☐ explosives & CBRN
- ☐ infrastructure & utilities
- ☐ border security
- ☐ intelligent surveillance
- ☐ terrorism & organised crime
- ☐ digital security
- ☐ space

Potential sensitive **type of research:**

- ☐ threat assessments
- ☐ vulnerability assessments
- ☐ specifications
- ☐ capability assessments
- ☐ incidents/scenarios based on real-life security incidents and potential threat scenarios

Aspectos éticos y protección de datos

- Todas las propuestas de la convocatoria pasarán por **el panel ético** [expertos independientes, legislación y principios éticos que deben cumplir, recomendaciones en la implementación]
- **Todas las propuestas deben describir las cuestiones éticas planteadas** y la forma en que se abordarán de manera que cumpla las regulaciones nacionales, europeas e internacionales
- Las propuestas son responsables de:
 - Identificar posibles temas éticos en las propuestas
 - Gestionarlos dentro de la propuesta, detallarlos y desarrollar estas actividades durante el proyecto (importancia de planificar estas actividades, presupuestar, posible creación de un ethics advisory board, etc.)

Aspectos transversales

- **Social Sciences and Humanities (SSH)** – determinados topics han sido identificados como contenedores de aspectos SSH
- **Gender dimension in the content of R&I**
- **International cooperation**

Redes de interés, asociaciones y plataformas

Community for Research and Innovation for Security (CERIS)



CERIS - Community for European Research and Innovation for Security

Aiming to facilitate interactions within the security research community and users of research outputs, in 2014 the Commission established the **Community of Users for Safe, Secure and Resilient Societies (CoU)**, which gathered around 1,500 registered stakeholders (policy makers, end-users, academia, industry and civil society) and regularly held thematic events with the security research community. Now named the **Community for European Research and Innovation for Security (CERIS)**, this platform continues and expands the work of the CoU, in light of the forthcoming Horizon Europe developments between 2021-2027.

The objectives of CERIS are to

- analyse identified **capability needs and gaps** in the corresponding areas
- identify **solutions** available to address the gaps
- translate capability gaps and potential solutions into **research needs**
- identify **funding opportunities and synergies** between different funding instruments
- identify **standardisation research-related needs**
- integrate the views of citizens

Subscribe to our mailing list



Thematic areas



Projects and Results



EU security market study



News



Events



About CERIS



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



https://home-affairs.ec.europa.eu/networks/ceris-community-european-research-and-innovation-security/ceris-events_en



European
Commission

EN

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HOME > Networks > CERIS - Community for European Research and Innovation for Security > CERIS events

CERIS events

Filter by

Status

Select

Event date

Select

Subject

Select

Search

Clear filters

CERIS events (9)

RSS

Showing results 1 to 9

27
MAR
2025

Training and workshops

CERIS workshop on solutions for first responders

External event

19
MAR
2025

Training and workshops

CERIS workshop on missing persons

External event

Dónde encontrar usuarios finales, información y contactos interesantes... además de CERIS

MINISTERIO DEL INTERIOR

SECRETARÍA DE ESTADO DE SEGURIDAD

SUBDIRECCIÓN GENERAL DE SISTEMAS DE INFORMACIÓN Y COMUNICACIONES PARA LA SEGURIDAD

Community of Users Spain

COU ESPAÑA
SEGURIDAD

Subdirectorato General of Information and Communications Systems for Security

cou.spain@interior.es

CENTRO TECNOLÓGICO DE SEGURIDAD • MINISTERIO DEL INTERIOR • GOBIERNO DE ESPAÑA • **CETSE**

<https://www.cmine.eu/events/165978>

Preparando call-2025: Próimos eventos...



❗ You have reached the maximum number of tickets allowed per user.

SMI2G Brokerage 2025 Event - REGISTRATION HAS OPENED!

Following the success of past years...

The SMI2G brokerage event gathers European-wide innovators and practitioners who are looking for further consortium partners by presenting game-changing ideas and novel technologies addressing the challenges of the Horizon Europe's Civil Security for Society 2025-2026 Work Programme (not yet available, but a leaked earlier draft version can be found [here](#)).

Every year, SMI2G hosts top-level keynote speakers, expert panel discussions as well as ground-breaking pitch sessions related to the respective calls. As a result, the event offers participants significant networking opportunities, supporting consortium building efforts and the sharing of valuable information concerning the Horizon Europe Security Calls.

If you want to pitch a project idea or pitch yourself as practitioner, register yourself first and read the instructions for pitches carefully. Company presentations will be rejected.

The SMI2G brokerage event is organised by: The EARTO Working Group Security and Defence research, the SEREN network, EOS, IMG-S, ESCO, CMINE, the Ministère de l'Enseignement Supérieur et de la Recherche and is supported by ENLETS. Like previous years, this edition of the SMI2G event is again free of charge thanks to our sponsors.

6 May
**SMI2G - Security Mission
Information & Innovation Group
Event 2025 - Paris**

6 May 2025 14:59 - 7 May 2025 14:59 CEST
Conseil Régional d'Île-de-France (Paris / St-Ouen-sur-Seine)
8 Bd Victor Hugo, 93400 Saint-Ouen-sur-Seine, France
[Add to calendar](#)

Ticket limit reached

You have already booked 1 ticket(s) [See order](#)

How to contact the organiser

CMINE-events
enquiries@SMI2G.eu

Categories

Networking event

Share event

[Share event](#)

 [SMI2G end-user pitch-template_2025.p...](#) 

 [SMI2G pitch presentation-template_20...](#) 

 [Instructions for presentations_2025.pdf](#) 

REGISTRATION IS OPEN



Tickets

The maximum number of ticket(s) per person for this event is 1.

In-person Brokerage attendance
6/7 May 2025, Paris

Free

Preparando call-2025: Próximos eventos...



FEINDEF 25

Catálogo de Expositores

Cómo participar

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Sala de prensa

Contacto

ES

FEINDEF 25

12, 13 y 14 de mayo de 2025 en IFEMA, Madrid

IV Edición de la Feria Internacional de Defensa
y Seguridad de España

Súmate a FEINDEF 25

GENERAL DYNAMICS
European Land Systems
Santa Bárbara Sistemas

Área privada

Con el apoyo institucional de



Infoday UE → Bruselas, 11 y 12 de junio de 2025

Horizon Europe Cluster 3 Info-day and Brokerage Event



Otros eventos de interés

Security Research Event 2025 →
Varsovia, 24 y 25 de junio de 2025

Security Research Event 2025

It is our pleasure to announce that the Security Research Event 2025 will be held on 24 & 25 June in Warsaw. Security Research Event is the biggest event organised by DG HOME and it gathers around thousand policy makers, security practitioners, researchers, industry, and civil society representatives.

date: 24/06/2025 - 25/06/2025

venue: Warsaw, Poland

It combines panels with an exhibition of EU-funded security research projects, demos, and The Security Innovation Award.

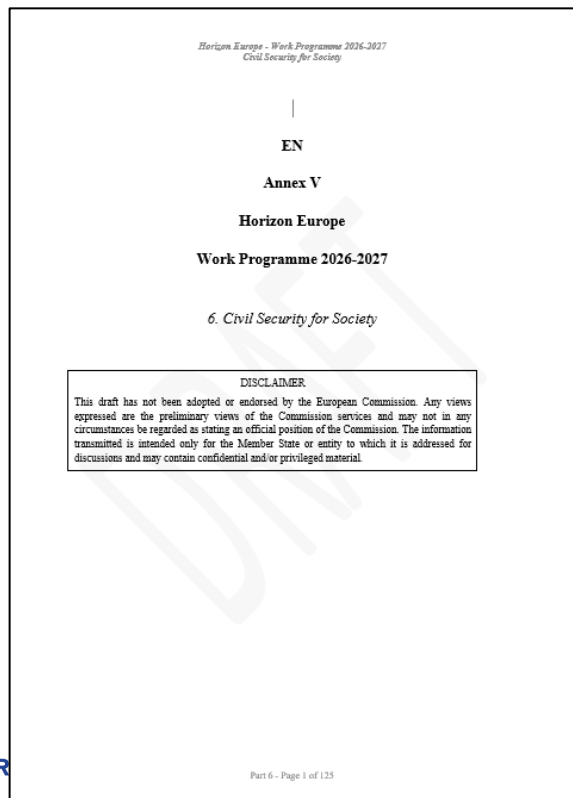
More details will follow soon.



Preparación del PT 2026-2027

- **Q4 2024-Q3 2025:** *Preparation of draft work programme 2026-2027 in co-design with Member States/Associated countries and in line with Horizon Europe strategic plan 2025-2027 and political priorities.*
- **Q4 2025:** *Formal consultation of the Horizon Europe Programme Committee configurations.*
- **End of Q4 2025:** *Expected adoption of 'main' work programme 2026-2027.*

Contribuciones al Nuevo WP 2026-2027



Enviar a
maite.boyero@cdti.es,
antes del día 26/3/2025

NEXT MFF: ¿dónde queda...

- ✓ ...La I+d con proyectos colaborativos?
- ✓ ... Subvención o instrumento financiero?
- ✓ ... Continuación de un clúster/programa de investigación en seguridad en el FP10 “stand alone” con suficiente presupuesto?
- ✓ ... []



ATENCIÓN: Consultas públicas!



Science|Business

15,656 followers

2w •

+ Follow ...

🚀 Evolution vs. Revolution: What Next on the Road to FP10? 🇪🇺

Join us for the closing plenary on the future of Framework Programme 10 (#FP10)! With initial proposals expected in summer 2025, this session will explore how the [European Commission](#) balances strategic priorities with key recommendations from the Letta, Draghi, and Heitor reports.

- ♦ Opening Q&A: Marc Lemaître, Director-General, DG RTD, European Commission
- ♦ Panel Discussion: Top leaders from academia, industry & policy, including:
 - ✓ Annelien Bredenoord
 - ✓ Martina Brockmeier
 - ✓ Silvia Lenaerts
 - ✓ Mark Lloyd Davies

📅 Don't miss this critical discussion on the future of European R&I!

📍 Register here: <https://lnkd.in/dmUuu2Tx>

📄 Keep up with the agenda: <https://lnkd.in/e9YrZQ2S>

#HorizonEurope #EURsearch #SciencePolicy #Innovation

SCIENCE|BUSINESS

NEW MANDATE, NEW AGENDA:

WILL THE EU LIVE UP TO ITS PROMISES ON R&I?

THE 2025 ANNUAL NETWORK CONFERENCE

6 February 2025

Evolution vs. revolution:
What next on the road to FP10?



Marc Lemaître
European Commission



Martina Brockmeier
European Commission



Annelien Bredenoord
Rottterdam



Silvia Lenaerts
EIT



Mark Lloyd Davies
Johnson & Johnson

Have your say



ES

Buscar

Q Buscar

Draft ID: db2d436f-ac98-4ad3-b9bd-490f48be7500

Date: 12/02/2025 12:25:43

[Inicio](#) > [Zona de prensa](#) > [Shaping the future of the EU together](#)

Lenguas disponibles: English

PRESS RELEASE | Feb 12, 2025 | Brussels | lectura de 5 min

Shaping the future of the EU together: the Commission sets out the road to the next EU long-term budget

[Shaping the future of the EU together](#)

Public Consultation - EU funding for competitiveness

Fields marked with * are mandatory.

Introduction

In 2025, the European Commission will put forward a comprehensive proposal for the next long-term budget – the multiannual financial framework (MFF). This includes EU funding providing financial support to hundreds of thousands of beneficiaries, including research and technology organisations, small and medium /sized businesses, startups and scale-ups, educational and research institutions, industry clusters, and many others.

Today, EU funding in support of competitiveness is spread over too many overlapping programmes, many of which fund the same thing but with different requirements and difficulties in combining funding effectively, which hinders access to EU funding and limits the impact that the funding can have.

As highlighted in President von der Leyen's Commission's [Political Guidelines](#), as well as in the [Competitiveness Compass](#), the Commission will work on a simpler, more focused and impactful MFF that reflects the European strategic priorities (with the ambition of being an "investment-focused Commission").

The guidelines also announced the creation of a European Competitiveness Fund, as part of the proposal for the next MFF. As set out in the Competitiveness Compass, this investment capacity should channel investment in strategic technologies along the entire investment journey, from research, through scale-up, industrial deployment, to manufacturing – using the power of the EU budget to de-risk and mobilise private investment for our common goals.

The Commission's proposal for the next MFF will be focused on the things that matter most, in areas where the EU can achieve more than Member States acting alone. This requires a careful assessment both of what has worked well in the past and what could be improved in the future. The next MFF will draw lessons from the current budget – notably in terms of simplicity and flexibility, speed and strategic focus.

As an integral part of the process, the Commission is launching a series of public consultations to gather views from all interested parties on the future EU budget. This consultation covers EU funding in support of EU competitiveness. The decision to cluster issues serves to support the preparatory work and does not pre-empt the architecture of future programmes. This questionnaire consists of 3 parts:

Part 1 collects some information about you. Part 2 contains questions related to EU funding for competitiveness. Part 3 comprises 2 closing questions.

Your feedback will inform the analysis of the impact assessment for the European Competitiveness Fund. You can save your replies as a draft and finish later. Please be concise in those questions with a free text box for additional comments. If you want, you can also upload a document with your views at the end of the



marina.cdti@sost.be



maite.boyero@cdti.es



ripaca@inta.es



Group: Horizonte Europa Clúster 3 “Seguridad civil para la sociedad”

www.horizonteeuropa.es

Canal de Telegram “Horizonte Europa”

Dudas



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



@CDTI_innovacion

Participació del Departament d'Interior i Seguretat Pública en els projectes europeus

Sessió informativa sobre el Clúster 3 Seguretat civil de les Societats del Programa Marc Horitzó Europa a la Universitat Autònoma de Barcelona

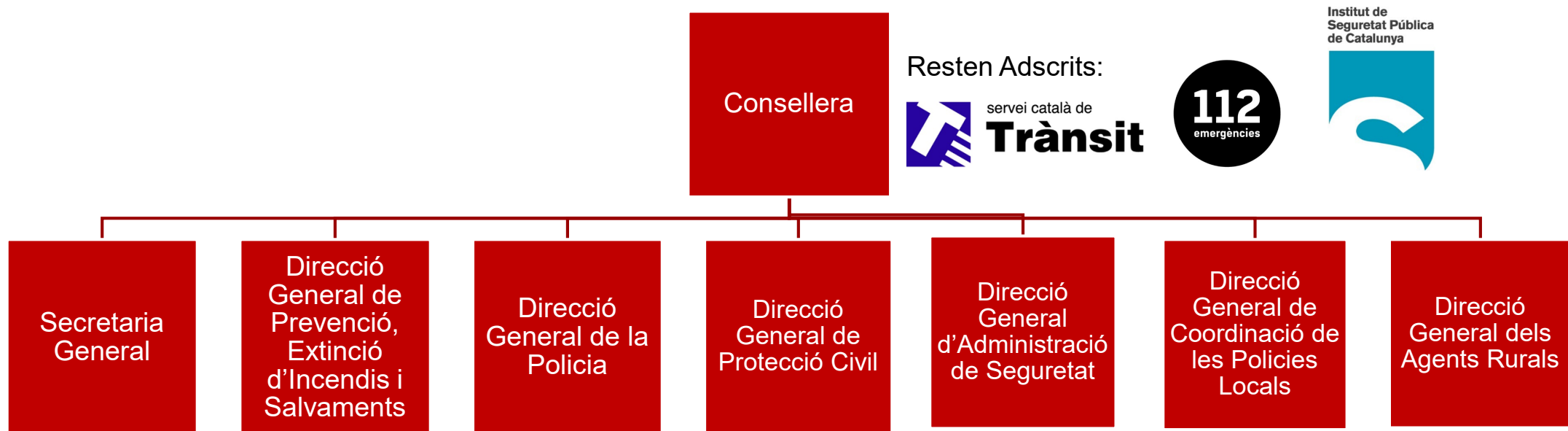
24 de març de 2025

Índex

- 1 | Estructura Departament
- 2 | Cossos Operatius
- 3 | Tramitació participació projectes europeus
- 4 | Dades de participació projectes europeus
- 5 | Convocatòries d'interès
- 6 | Web projectes europeus

Estructura del Departament

→ Decret 12/2023, de 24 de gener, de reestructuració del Departament d'Interior



Cossos operatius

mossos d'esquadra



Seguretat ciutadana i ordre públic
Polícia administrativa
Polícia judicial i la investigació criminal,
incloent-hi les diverses formes de crim
organitzat i terrorisme
Regulació i control del trànsit interurbà

bombers



Prevenió, extinció d'incendis i salvaments
Garantir de la protecció de les persones,
els béns i el medi ambient davant de
qualsevol situació d'emergència

protecció civil



Emergències i protecció civil
Plans de protecció civil: Territorials
(PROCICAT) i Especials (INUNCAT,
PLASEQCAT)
Centre de Coordinació Operativa de
Catalunya (CECAT)

agents rurals



Vigilància, control i col·laboració en la
gestió del medi natural
Protecció i prevenció integrals del medi
ambient (Pla Alfa, restricció d'accessos en
espais naturals)

Tramitació participació projectes europeus

1

Selecció del projecte

La unitat inicia els tràmits per a la formalització de la participació en el projecte europeu.

2

Declaració d'honor i Acord de Subvenció

Emissió d'informes jurídics i econòmics.

10 dies hàbils

25 dies hàbils

3

Acord del Consorci

Convenis de col·laboració i cal autorització preceptiva per Acord del Govern amb caràcter previ.

35 dies hàbils

Dades de participació en projectes europeus

15

Projectes actius on participa el Departament. 7 són de convocatòries HEU Seguretat.

9

Propostes presentades a la convocatòria 2024 HEU Seguretat.

26

Projectes de convocatòries de la Comissió Europea (últims 10 anys)

16

Projectes de convocatòries del programa de seguretat

Font: [EU Funding & Tenders Portal](#)

[Visualització dades de participació catalana en fons europeus 2021-2027](#)

Convocatòries d'interès

Horizon Europe - Civil Security for Society

1. FCT- Fighting crime and terrorism
2. DRS – Disaster Resilient Society
3. INFRA – Resilient Infrastructure
4. CS – Increases Cybersecurity
5. SSRI – Support to Security Research and Innovation

Web projectes europeus

→ https://interior.gencat.cat/ca/el_departament/accio_exterior_i_ue/projectes_europeus/



Mossos d'Esquadra [↗](#)



Agents rurals

🔴 Projectes finalitzats



Bombers

🔴 Projectes actius

🔴 Projectes finalitzats



Protecció Civil

🔴 Projectes actius

🔴 Projectes finalitzats



Seguretat

🔴 Projectes finalitzats



ISPC [↗](#)



Trànsit [↗](#)



Generalitat de Catalunya

Departament d'Interior i Seguretat Pública

Gabinet Tècnic

www.gencat.cat

internacional.interior@gencat.cat

SESSIÓ INFORMATIVA SOBRE EL CLÚSTER 3

SEGURETAT CIVIL DE LES SOCIETATS

24 de març de 2025

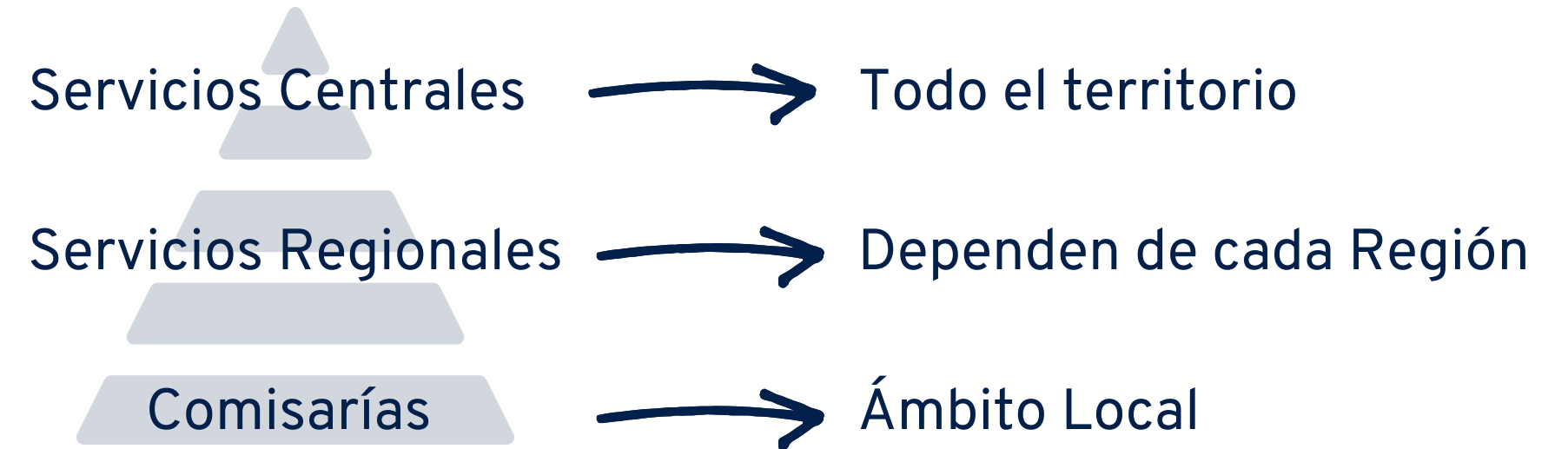
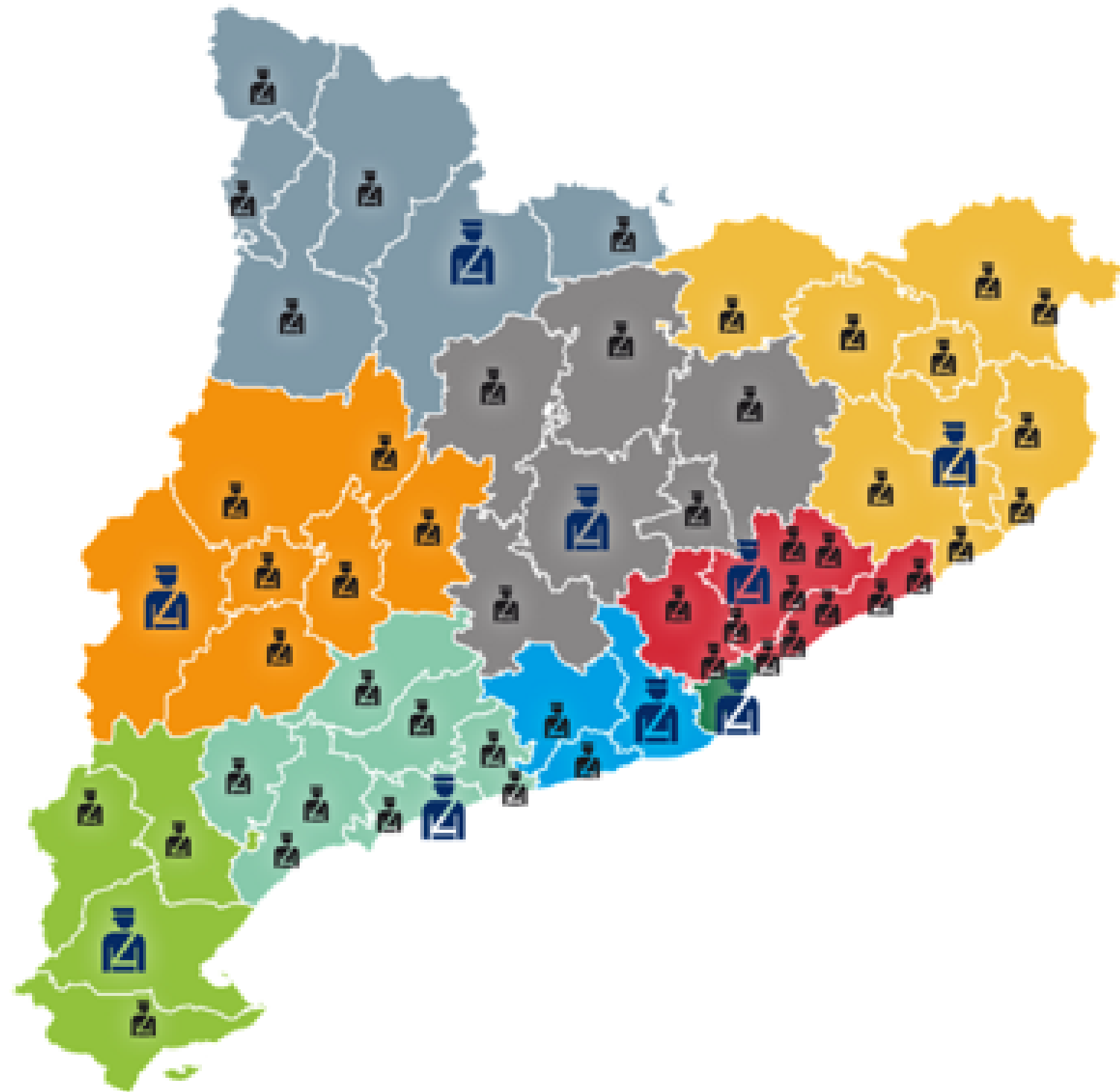


mossos d'esquadra



UAB
Universitat Autònoma
de Barcelona

NUESTRA ORGANIZACIÓN



19.044 agentes de policía
8 millones de habitantes
947 poblaciones
9 regiones policiales + Región Policía Virtual
121 Comisarías

mossos d'esquadra

The logo of Mossos d'Esquadra, featuring the text 'mossos d'esquadra' in a bold, dark blue font, with four red squares arranged horizontally below it.

PROPUESTAS DE PARTICIPACIÓN EN PROYECTOS - AÑO 2024



30 26 Horizon Europe
4 ISF
Propuestas recibidas



22
Propuestas desestimadas



7
Propuestas presentadas a la CE
EN TRAMITACIÓN



1
En lista de reserva



mossos d'esquadra
■ ■ ■ ■

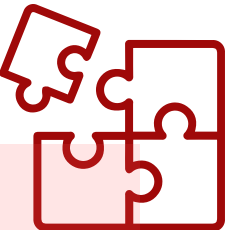
MOSSOS D'ESQUADRA COMO USUARIOS FINALES

PUNTOS A FAVOR



- Acceso a **I+D en seguridad**
- **Cooperación** con otros LEAs, empresas tecnológicas, universidades y centros de investigación
- Mejora de los procedimientos integrando **herramientas innovadoras** para las operaciones policiales
- Acceso a **fondos europeos** para desarrollar proyectos de seguridad

DIFICULTADES



- **Burocracia y carga administrativa:** justificaciones, informes, memorias, acuerdos (GA/ CA), servicios jurídicos
- **Falta de personal** disponible (prioridad operativa, idioma)
- Falta de **alineación con las necesidades reales** y dificultades para implementar soluciones más allá de la fase piloto

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LECCIONES APRENDIDAS Y RECOMENDACIONES



- Mejor **alineación con las necesidades policiales** (enfoque más práctico y aplicado)
- Para garantizar resultados más útiles ➡ involucrar a los **usuarios finales desde el inicio del proyecto**
- **Transferencia del conocimiento y formación** adquiridos a nivel interno para que llegue a toda la organización
- **Coordinación y comunicación** fluida y constante entre todos los socios del consorcio
- Más **soporte institucional** y recursos
- Establecer **mecanismos de seguimiento** para que la tecnología no se quede en fase de prototipo y pueda ser integrada a los sistemas policiales existentes



RETOS DE FUTURO

- Ciberataques / Amenazas híbridas
- Computación cuántica
- Bioterrorismo
- Inteligencia Artificial
- Desinformación / Noticias falsas / Deep fakes / Manipulación en redes sociales
- Vehículos autónomos y drones armados

ESTRATEGIAS



Esfuerzos colaborativos entre empresas tecnológicas y fuerzas policiales

Humanizando la tecnología: la tecnología es más poderosa, pero el control debe seguir siendo centrado en el ser humano.

CONTACTO

ÀREA DE COOPERACIÓ INTERNACIONAL



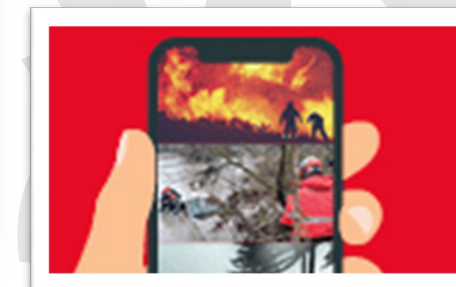
mossos.internacional@mossos.cat

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DIRECCIÓ GENERAL DE PROTECCIÓ CIVIL

24 de març de 2025



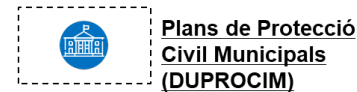
Processos en protecció civil:

Programes en Protecció Civil:

Previsió del risc
Prevenció
Planificació
Exercicis i simulacres
Sensibilització
Tecnologia

Gestió i Coordinació d'Emergències:

Coordinació Operativa: CECAT
Logística i operacions territorials
Comunicació



Les eines: Els Plans

protecció civil

- INFOCAT** Pla d'emergències per incendis forestals
- INUNCAT** Pla d'emergències per inundacions
- NEUCAT** Pla d'emergències per nevades
- ALLAUCAT** Pla d'emergències per allaus
- SISMICAT** Pla d'emergències sísmiques
- PLASEQCAT** Pla d'emergència exterior del sector químic
- PLASEQTA**
- TRANSCAT** Pla accidents en el transport de MMPP
- CAMCAT** Pla d'emergències per contaminació d'aigües marines
- AEROCAT** Pla d'emergències aeronàutiques
- RADCAT** Pla d'emergències per al risc radiològic
- VENTCAT** Pla d'emergències per ventades
- PANDÈMIES** Pla d'emergències per pandèmies
- PENTA** Pla d'Emergència Nuclear Exterior per les Centrals Nuclears d'Ascó i Vandellòs (Tarragona)



Recerca en previsió del risc.

Què pot aportar la **recerca** i els **projectes europeus** a la protecció civil?

Àmbits:

- Anàlisi i avaluació del risc. Avaluació del perill i la vulnerabilitat.
 - Prevenció. Urbanisme i autoprotecció.
 - Preparació. Plans de protecció civil.
 - Detecció i alerta (primerenca).
 - Presa de decisions i coordinació.
 - Sensibilització i comunicació del risc. Participació ciutadana i potenciació de la resiliència.
 - Recuperació.
 - Emergències de molt ràpida evolució.
 - Emergències complexes, multi-emergència.
 - Canvi climàtic.
 - Riscos naturals: inundacions ràpides, incendis forestals
 - Riscos tecnològics: risc químic – NRBQ
-
- Participació en projectes europeus
 - Articles i publicacions
 - Intercanvis i contactes internacionals



PROPOSTES I PROJECTES

ANY	PROPOSTES Clúster 3-DRS	ALTRES PROPOSTES	PROJECTES VIGENTS
2020	7 (-)		3
2021	4 (-)	2 (-)	1
2022	5 (1) +1 (1)	2 (2 CLIMA)+2 (2 INTERREG)	1
2023	1 (-)	1 (1 UCPM)	3 +2
2024	1 (-)	1 (UPCM)	4 +3
2025			5+3

PROJECTES VIGENTS:

SOCIS:

CLIMAAX (HORIZON EUROPE – CLIMA)
 RESIST (HORIZON EUROPE – CLIMA)
 MEDEWSA (HORIZON EUROPE – CL3 – DRS)
 VERA (UPCM)
 FIRE-SCENE (UPCM)

ASSOC:

SPIRAL (INTERREG EUROMED)
 GOBEYOND (HORIZON EUROPE – CL3 – DRS)
 LOCAL4FLOOD (INTERREG EUROMED)



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protecció civil
■■■■

Convocatòries DRS:

- **Predicció i sistemes d'alerta primerenca, sistemes de presa de decisions** (*forecasting and early warning Systems, Improved impact forecasting and early warning systems supporting the rapid deployment of first responders in vulnerable areas*) (*Medewsa, Gobeyond, Anywhere, Local4flood*)
- **Tecnologia per la resposta a emergències, IA, optimització de dades, consciència situacional** (*technologies for first responders, situational awareness*)
- **Riscos extrems, emergències complexes o molt improbables** (*Enhanced preparedness and management of High-Impact Low-Probability or unexpected events*)
- **Comportament de la ciutadania front a les emergències** (*Better understanding of citizens' behavioural and psychological reactions in the event of a disaster or crisis situation*)
- **Sensibilització i resiliència comunitària, públic juvenil** (public awareness, human factors, and social, societal, and organisational aspects for disaster-resilient societies) (*Resist*)
- **Sensorització, sistemes de detecció, simulació avançada** (*Sensing, rapid response to CBNR-E events*)

Altres:

- **Dades massives en el territori. Baixar d'escala. Vulnerabilitat. Big data.** (*Vera, Fire-Scene*)
- **Escenaris de riscos naturals i canvi climàtic.** (*Climaax*)





Co-funded by
the European Union



CLIMAAX
climate ready regions



Framework for regional CRA

→ supporting civil protection and climate adaptation

Toolbox and pilots

→ testing data needs and diversity of requests

Cascading fund

→ Financial support for >50 regions

CLIMAAX

Climate ready regions

<https://www.climaax.eu>

Programa. HORIZON-MISS-2021-CLIMA-02-01. *Development of climate change risk assessments in European regions...*

info@climaax.eu

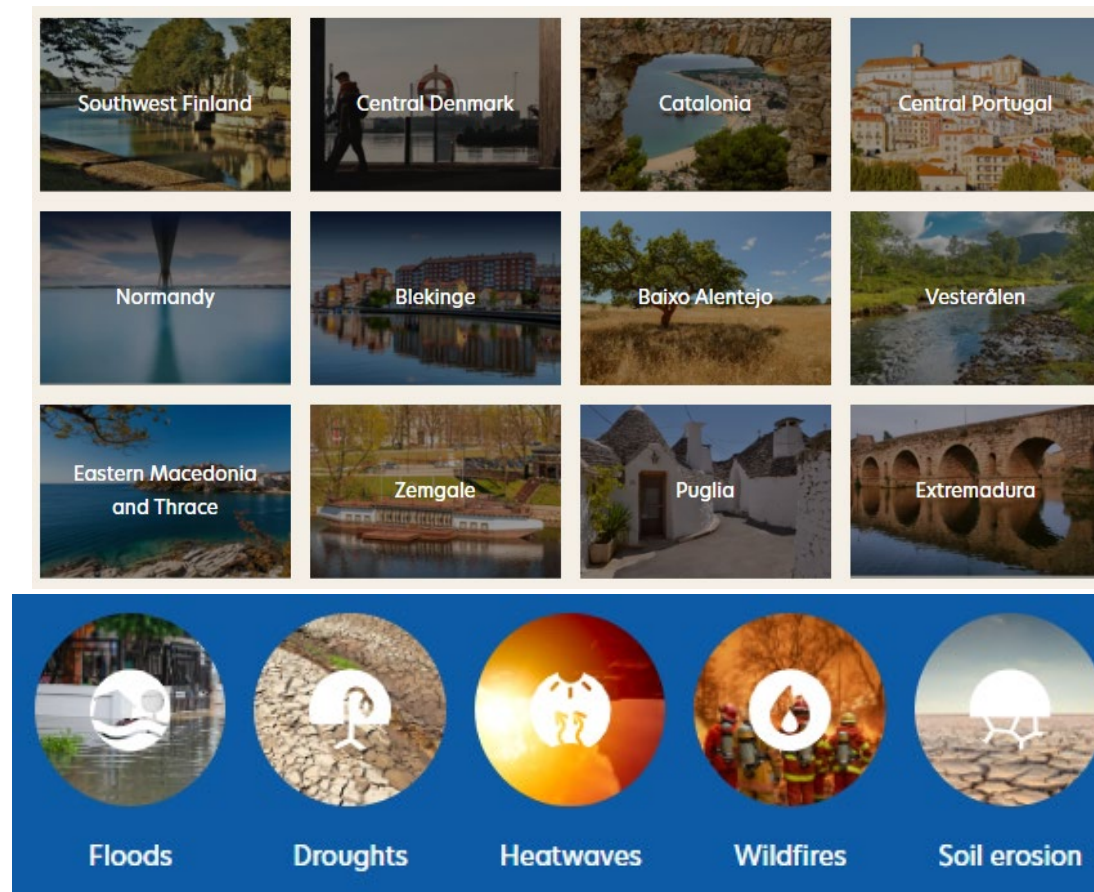


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de Catalunya

protecció civil
■■■■

Pressupost del projecte: 20.002.272,50 €
Departament d'Interior: 183.750,00 €

RESIST DEMONSTRATORS



- 4 demonstrators in 4 more experienced and vulnerable EU regions in terms of Climate Change Adaptation (Southwest Finland, Central Denmark, Catalonia and Central Portugal, the latter a ERDF less developed region)
- 8 less experienced regions as Twinning Regions (2 per demonstrator, out of which 1 per demonstrator from less developed regions)
- 16m€ allocated for regional demonstrators and twinning regions
- 12m citizens directly outreached in large scale demonstrators and another 10m citizens outreached through 8 twinning regions
- 3% of EU territory covered by novel Digital Twins in line with DestinE
- 12 letters of intent from 12 regional authorities in the EU to continue to fund project activities beyond its end
- +100 new and innovative solutions - adaptation products, regulations, policies and methods validated in one Sustainability Plan
- 25m€ of private venture capital funding available within the project partnership to fund business results from start-ups
- 50% gender balance in terms of allocated staff resources

HORIZON-MISS-2021-CLIMA-02-04. *Large scale demonstrators of climate resilience creating cross-border value*

MEDEWSA (2023-2026)

<https://www.medewsa.eu/>



MedEWSa



MEDEWSA METHODOLOGY

OVERALL CONCEPT

DSDS Infrastructure

MedEWSa's Decision Support and Dissemination System (DSDS) Infrastructure will equip first responders, planners and policy makers with a suite of innovative services to improve their knowledge and optimise their response actions, enhancing rapid and efficient deployment in vulnerable areas by using highly accurate and real-time Decision Support. It will provide new knowledge on site/community/asset vulnerability, continuously updated impact forecasting, and further cascading effects.

[Discover more](#)



OBJECTIVE 2

Create a suite of comprehensive AI-based products, building on operational EWS and insights from MedEWSa's four paired twin pilot sites, that bridge areas with different climatic and geographic conditions but similar hazardous events, to deliver innovative forecasting and impact assessment services.

Heatwaves, droughts and wildfires

Catalonia has seen a decrease in yearly average number of wildfires and burnt areas due to improved firefighting effectiveness. However, the accumulation of available biomass and the increase in droughts and heatwaves have led to more extreme fire behaviours in recent years. **Sweden** has seen a sharp increase in wildfire activity in recent years, notably in 2014 and 2018. These events were caused by a combination of drought and excessive heat.

This twin will not only focus on exchanging knowledge between the two services developed for different scales (regional and national), but further add value to the accuracy of warnings by considering additional indicators and improving preparedness through an increased forecast horizon (from a week to months ahead).

HORIZON-CL3-2022-DRS-01-05: Improved impact forecasting and early warning systems supporting the rapid deployment of first responders in vulnerable areas



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protecció civil

Pressupost del projecte: 5.102.374€
Departament d'Interior: 32.500€



Co-funded by
the European Union

FIRE-SCENE

Advancing Wildfire Civil Protection Scenarios into
Risk Planning and Governance



Knowledge for Action in Prevention and Preparedness (KAPP)
PREVENTION- UCPM-2024-KAPP-PV. 2024

PARTICIPACIÓ EN PROJECTES EUROPEUS:

- Dificultats en la gestió administrativa.
- Pilots: desenvolupaments concrets i aplicables, alineats amb objectius.
- Diàleg entre els desenvolupadors i els usuaris finals.
- Actualment ja una gran dedicació.
- Preferència: participació més àmplia i amb recursos. Programa pel projecte (personal dedicat).





Generalitat de Catalunya

Departament d'Interior i Seguretat Pública

Ethics @ Horizon Europe

24/03/2025

Dr. Jorge González-Conejero

Jorge.Gonzalez.Conejero@uab.cat

<http://webs.uab.cat/idt>

UAB

**Universitat Autònoma
de Barcelona**

Institute of Law and Technology

UAB Universitat Autònoma de Barcelona

Home News Projects ▾ Publications People Memberships About us

Institute of Law and Technology



The **Universitat Autònoma de Barcelona (UAB)** is one of the major public universities in Spain, and it is in Cerdanyola del Vallès, near the city of Barcelona in Catalonia, Spain. The university consists of **57 departments in the experimental, life, social and human sciences**, spread among **13 faculties/schools**. All these centres together award a total of **85 qualifications in the form of first degrees, diplomas, and engineering degrees**. Moreover, almost **80 doctoral programs**, and more than **80 others postgraduate programs** are offered. UAB has more than **40,000 students** and more than **3,500 academic and research staff**. The UAB is a pioneering institution in terms of fostering research. There are many research institutes in the campus, as well as other research centres, technical support services and service-providing laboratories, and the ALBA (synchrotron) located in the Barcelona Synchrotron Park is very close to the UAB.

The **UAB Institute of Law and Technology (IDT)**, housed at the Faculty of Law, is a research centre promoting cutting-edge research on Law and Technology from an interdisciplinary perspective. The IDT was created in 2005 and emerged out of the former UAB Socio-legal Studies Group (GRES). At present, the areas of research include **Data Protection, Ethics and regulations for the Web of Data, Citizens' rights and their access to Justice through technology, Law and Artificial Intelligence, Semantic Web, and legal ontologies**. IDT-UAB researchers are also able to contribute significantly to the organization of specialized Workshops, and the dissemination of the project findings and results through scientific publications and presentations in the main Data Protection and Law & Technology Conferences and Workshops (e.g. [IVB](#), [Jurix](#), [ICAIL](#), and [AICOL](#)).



HE Framework Programme Regulation 2021/695 (Article 19)

1. Actions carried out under the Programme shall comply with ethical principles and relevant Union, national and international law, including the **Charter and the European Convention for the Protection of Human Rights and Fundamental Freedoms** and its **Supplementary Protocols**.
2. (a) “... an ethics self-assessment **identifying and detailing all the foreseeable ethics issues** related to the objective, implementation and likely impact of the activities to be funded...”
2. (b) “... the activities will comply with the **European Code of Conduct for Research Integrity** published by All European Academies and that no activities excluded from funding will be conducted;”
2. (c) “... for activities carried out **outside the Union**, a confirmation that the same activities would **have been allowed in a Member State**;”
3. “... Proposals shall be **systematically screened** to identify actions which raise complex or serious ethics issues and submit them to an ethics assessment...”
6. Actions which **do not fulfil the ethics requirements** referred to in paragraphs 1 to 4 and are therefore not ethically acceptable, shall be **rejected or terminated** once the ethical unacceptability has been established.

HE Framework Programme Regulation 2021/695 (Article 19)

Particular attention shall be paid to:

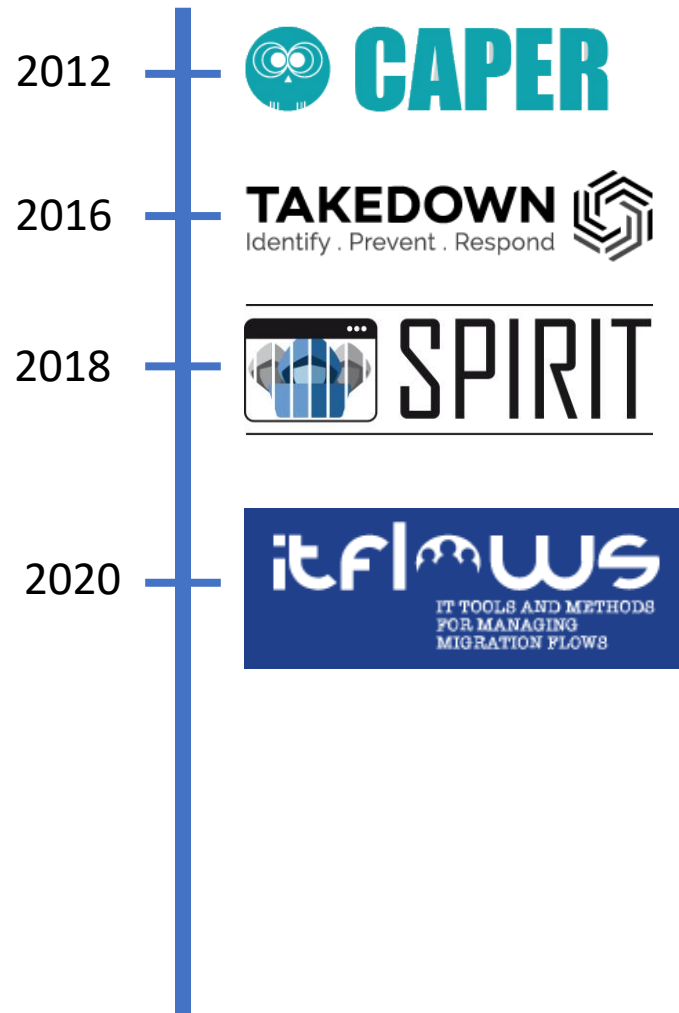
- the principle of proportionality
- the right to privacy
- the right to the protection of personal data
- the right to the physical and mental integrity of a person
- the right to non-discrimination
- the need to ensure protection of the environment
- the need to ensure high levels of human health protection

Ethical & Legal Partner

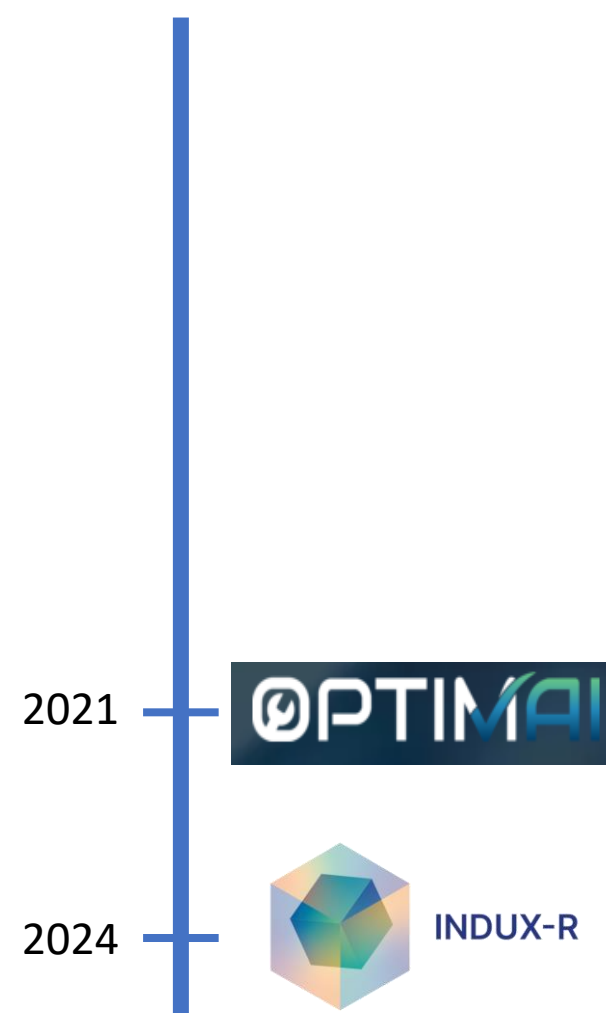
- Identifying the ethical and legal framework applicable to the project;
- Defining the ethical and legal requirements that must be observed in the project's research activities;
- Building the regulatory model for the technologies deployed in the project and the workflow of data ensuring ethical and legal governance;
- Guiding Consortium partners when dealing with ethical and legal issues;
- Setting up a robust monitoring strategy for the project, involving independent experts as members of the Independent Ethics Board.

Projects

Security



Industry



Misc.



Ethics issues table: Data Protection

4 PROTECTION OF PERSONAL DATA	YES/NO		Information to be provided in the proposal	Documents to be provided on request
Does your activity involve processing of personal data?	☐	☐	1) Details of the technical and organisational measures to safeguard the rights and freedoms of the participants/data subjects. These may include:	1) Informed consent forms and information Sheets (if relevant). 2) Data management plan (if relevant). 3) Data protection impact assessment (if

Ethics issues table: Data Protection

				- Project specific data protection policy and/or the contact details of the data protection officer (these must be provided to the participants) The security measures to prevent unauthorised access to personal data - Anonymisation /pseudonymisation techniques. 2) Details of the informed consent procedures with regard to the data processing (if relevant). 3) Explanation as to how all of the processed data is relevant and limited to the purposes of the project ('data minimisation' principle) 4) Justification of why personal data will not be anonymised/ pseudonymised (if relevant). 5) Details of the data transfers (type of data transferred and country to which data are transferred).	relevant).
If YES:	Does it involve the processing of special categories of personal data (e.g. sexual lifestyle, ethnicity, genetic, biometric and health data, political opinion, religious or philosophical beliefs)?	☐	☐	1) Justification for the processing of special categories of personal data (if relevant). 2) Justification to why the project objectives cannot be reached by processing anonymised/ pseudonymised data (if applicable).	
	Does it involve processing of genetic, biometric or	☐	☐		1) Declaration confirming compliance with the laws of the country where the data

Ethics issues table

1. Human embryonic stem cells and human embryos
2. Human participants
3. Human cells / tissues
4. Personal data
5. Animals
6. Non EU-countries
7. Environment & Health and Safety
- 8. Artificial Intelligence**
9. Other ethics issues
10. Potential misuse of results

Artificial Intelligence Act

	Official Journal of the European Union	EN L series
2024/1689	12.7.2024	
REGULATION (EU) 2024/1689 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL		
of 13 June 2024		
laying down harmonised rules on artificial intelligence and amending Regulations (EC) No 300/2008, (EU) No 167/2013, (EU) No 168/2013, (EU) 2018/858, (EU) 2018/1139 and (EU) 2019/2144 and Directives 2014/90/EU, (EU) 2016/797 and (EU) 2020/1828 (Artificial Intelligence Act)		
(Text with EEA relevance)		
THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION, Having regard to the Treaty on the Functioning of the European Union, and in particular Articles 16 and 114 thereof, Having regard to the proposal from the European Commission, After transmission of the draft legislative act to the national parliaments, Having regard to the opinion of the European Economic and Social Committee ⁽¹⁾ , Having regard to the opinion of the European Central Bank ⁽²⁾ , Having regard to the opinion of the Committee of the Regions ⁽³⁾ , Acting in accordance with the ordinary legislative procedure ⁽⁴⁾ ,		
Whereas:		

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689>

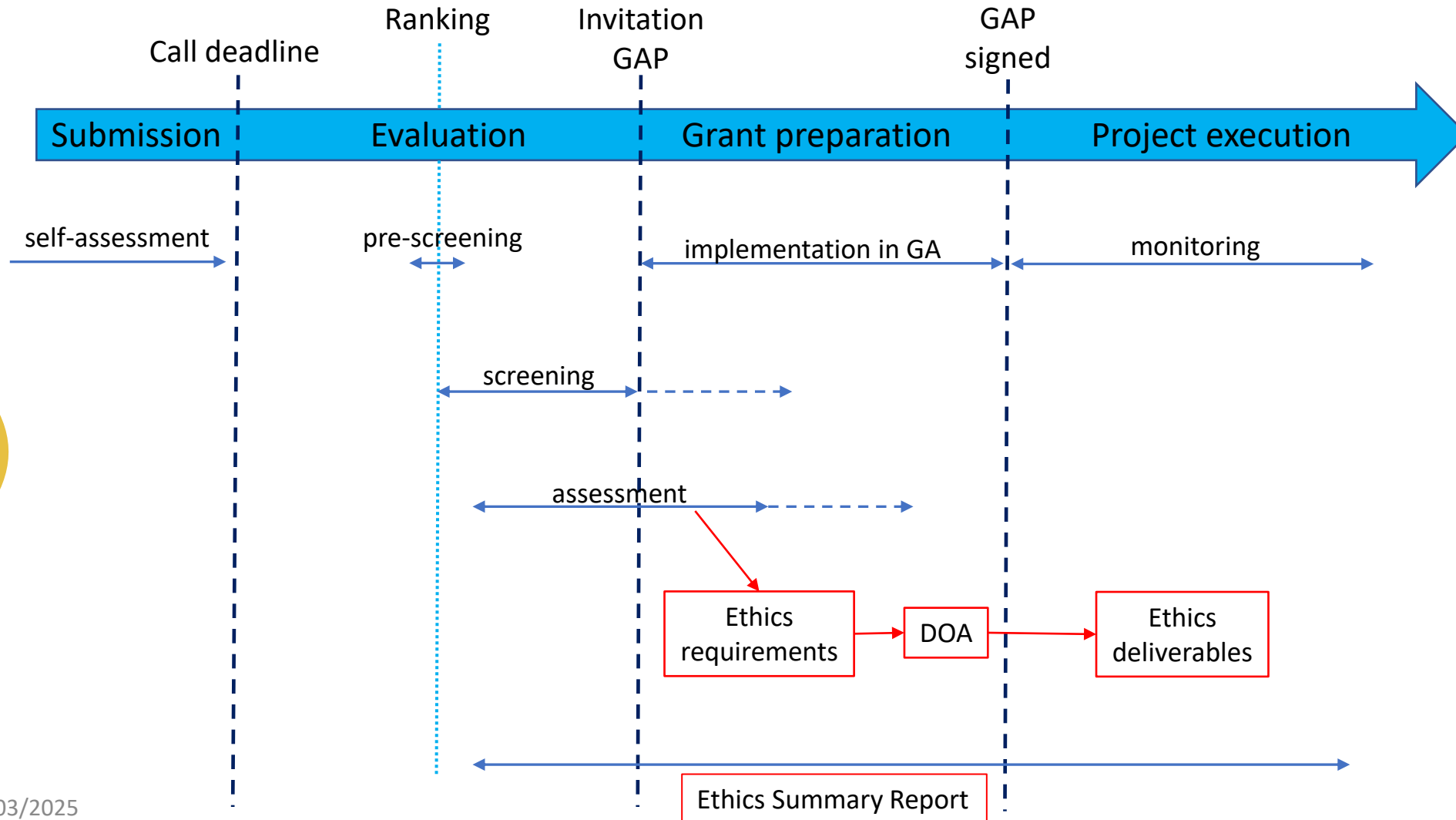
Artificial Intelligence Ethics Self assessment

8 ARTIFICIAL INTELLIGENCE	YES/NO		Information to be provided	Documents to be provided/kept on file
Does this activity involve the development, deployment and/or use of Artificial Intelligence-based systems?	☐	☐	1) Explanation as to how the participants and/or end-users will be informed about: - their interaction with an AI system/technology (if relevant); - the abilities, limitations, risks and benefits of the proposed AI system/technique; - the manner in which decisions are taken and the logic	1) Detailed risk assessment accompanied by a risk mitigation plan (if relevant). These must cover the development, deployment and post-deployment phases. 2) Copies of ethics approvals (if relevant).

Artificial Intelligence Ethics Self assessment

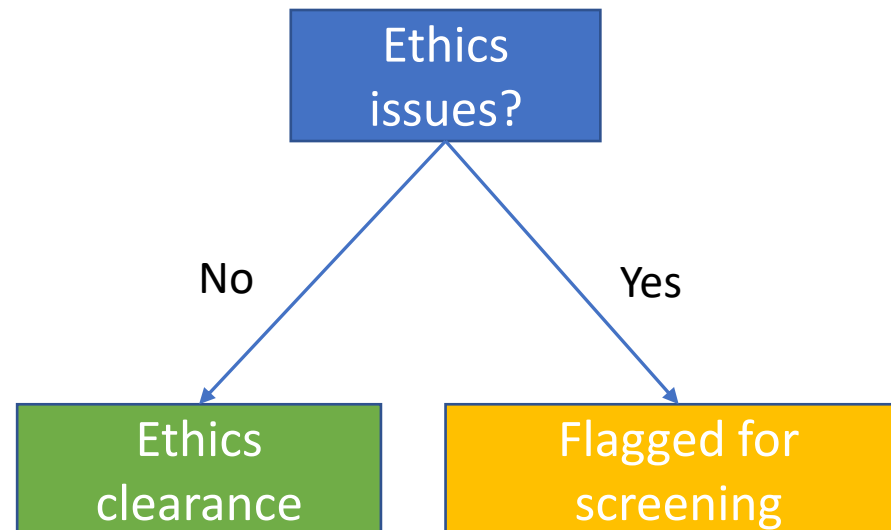
			behind them (if relevant). 2) Details on the measures taken to avoid bias in input data and algorithm design; 3) Explanation as to how the respect to fundamental human rights and freedoms (e.g. human autonomy, privacy and data protection) will be ensured; 4) Detailed explanation on the potential ethics risks and the risk mitigation measures.	
Could the AI based system/technique potentially stigmatise or discriminate against people (e.g. based on sex, race, ethnic or social origin, age, genetic features, disability, sexual orientation, language, religion or belief, membership to a political group, or membership to a national minority)? (only HE, EDF)	☐	☐	1) Detailed explanation of the measures set in place to avoid potential bias, discrimination and stigmatisation.	
Does the AI system/technique interact, replace or influence human decision-making processes (e.g. issues affecting human life, health, well-being or human rights, or economic, social or political decisions)? (only HE, EDF)	☐	☐	1) Detailed explanation on how humans will maintain meaningful control over the most important aspects of the decision-making process; 2) Explanation on how the presence/role of the AI will be made clear and explicit to the affected individuals.	1) Information sheets/Template Informed consent forms (if relevant)
Does the AI system/technique have the potential to lead to negative social (e.g. on democracy, media, labour market, freedoms, educational choices, mass surveillance) and/or environmental impacts either through intended applications or plausible alternative uses? (only HE)	☐	☐	1) Justification of the need for developing/using this particular technology 2) Assessment of the ethics risks and detailed description of the measures set in place to mitigate the potential negative impacts during the research,	For serious and/or complex cases: Algorithmic impact assessment/human right assessment. These must cover the development, deployment and post-deployment phases.

Roadmap



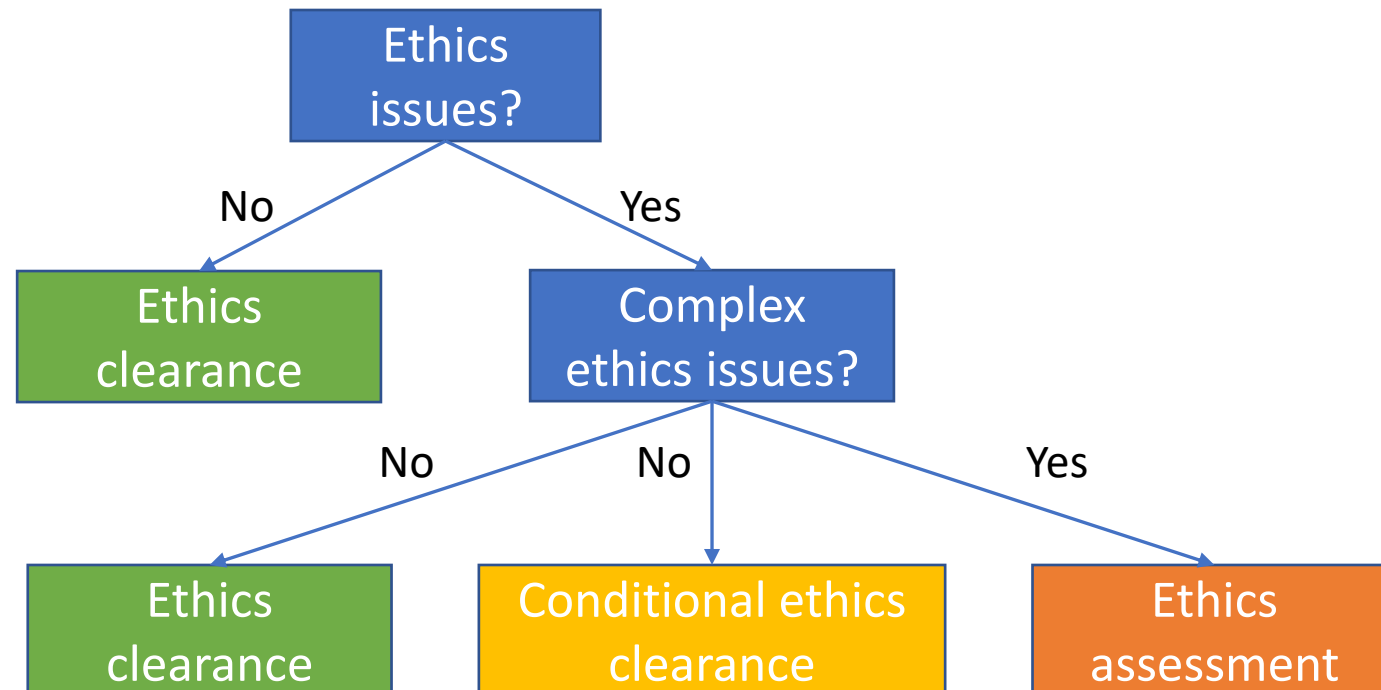
Ethics Pre-screening

- Optional filtering step for all proposals
- By at least two ethics evaluators (external experts or qualified members of staff)
- Simplified version of the Ethics Issues Table (categories but not the detailed questions)



Ethics Screening

- All proposals or flagged proposals after pre-screening
- By at least two ethics evaluators (external experts)
- Simplified version of the Ethics Issues Table (categories but not the detailed questions)



Ethics Assessment

- An in-depth analysis of the ethics issues
- Panel of at least 5 external experts
- Uses the full Ethics Issues Table

Ethics
clearance

Grant Agreement is finalized

Conditional ethics
clearance

The Ethics Summary Report contains ethics requirements that need to be fulfilled

Ethics work package and ethics deliverables

Second ethics
assessment or more
information is required

Grant Agreement is postponed

No ethics
clearance

Proposal cannot be funded (after second assessment)

Mi experiencia como coordinadora del Proyecto Europeo ITFLOWS

DRA CRISTINA BLASI CASAGRAN

FACULTAD DE DERECHO

UNIVERSIDAD AUTÒNOMA DE BARCELONA





ITFLOWS PROJECT (2020-2023)

Objectives of the ITFLOWS project



Provide accurate predictions on migration

Provide policy solutions for the management of migration and integration of refugees in the EU

Propose solutions for reducing potential conflict/tensions between migrants and EU citizens

KEY
FACTS

36
months
(Sept
20-Aug
23)

14 EU
Partner
s

8 EU
Countrie
s

1 IT-
Tool

Importancia del Consorcio

1

Representación de
todo el territorio de
la UE

2

Organismos de
tipologías diferentes

3

Personas
comprometidas con
el proyecto (evaluar
en fase de propuesta)

Explotación



Workshop with NGOs/policy makers

PREDICTING MIGRATION:
Challenges, Opportunities and Policies

21-22
JUNE 2022

Hybrid
format:
ONLINE +
BRUSSELS

AUDIENCE

```
graph TD; Audience([AUDIENCE]) --> EUStates([Policy makers of EU Member States]); Audience --> EULevel([Policy makers at EU level]); Audience --> NGOs([NGOs in the field of migration]);
```

Policy makers of
EU Member States

Policy makers at
EU level

NGOs in the field
of migration

Info and registration:

<https://www.itflows.eu/2022/02/14/itflows-conference-2022/>

Si no sale financiado...ino tires la toalla!

Muchas gracias por su atención

Cristina Blasi Casagran

cristina.blasi@uab.es

Dpt. Derecho Público y Ciencias HHJJ – UAB



@Cristinablasiphd



<http://es.linkedin.com/in/cristinablasiphd>



@CristinaBlasi



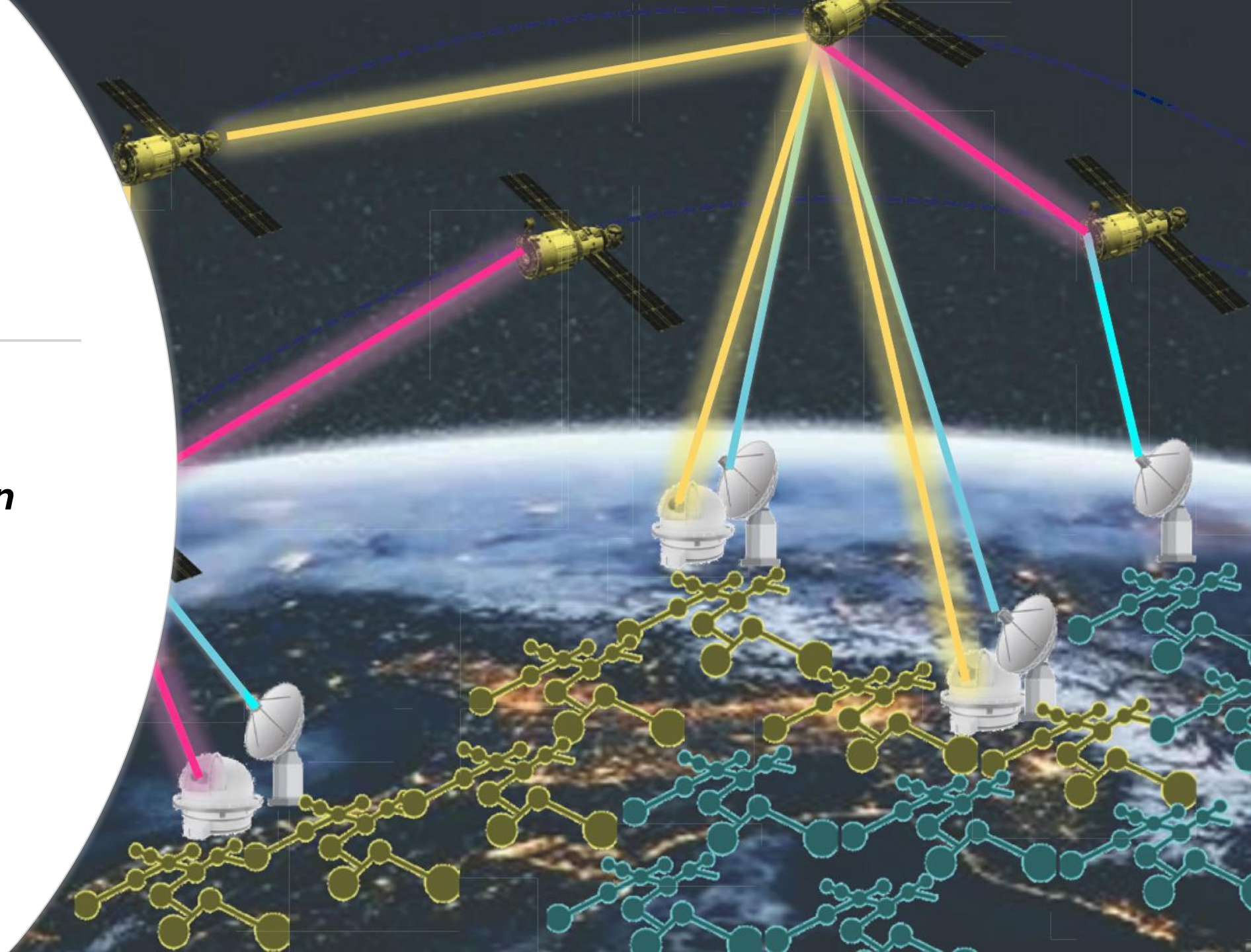
ANGELES VÁZQUEZ-CASTRO

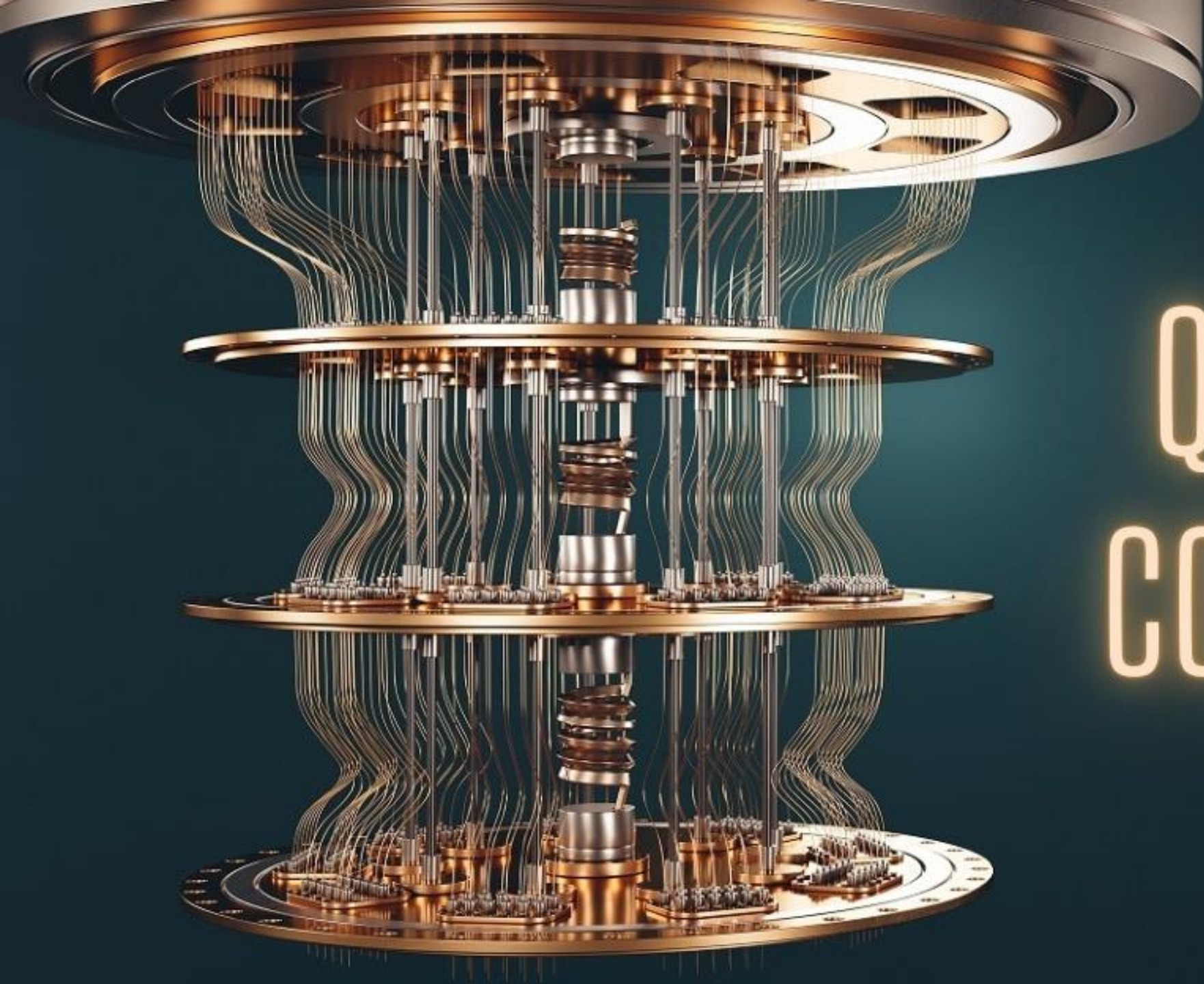
Sessió informativa sobre el clúster 3

Seguretat civil de les Societats

Sala de Graus Facultat de Ciències Polítiques i de Sociologia

GRUPO DE
INVESTIGACIÓN:
*Quantum Security in
Space (QSS)*





QUANTUM COMPUTING

Criptografía

La **criptografía post-cuántica** es una evolución de la criptografía clásica diseñada para resistir ataques de futuros ordenadores cuánticos; se implementa por software en sistemas clásicos y no requiere tecnología cuántica.

En cambio, la **criptografía cuántica**, como la Distribución Cuántica de Claves (QKD), utiliza principios físicos de la mecánica cuántica y suele requerir canales ópticos o espaciales (por ejemplo, satélites) para garantizar seguridad basada en leyes físicas, no en supuestos computacionales.

Proyectos relevantes actuales a la temática

1. Proyecto actual nacional QKD-LEO coordinado por

CDTI: Participación en el desarrollo de tecnologías de distribución de clave cuántica (QKD) en satélites de órbita baja terrestre, enfocándose en la integración de estas tecnologías en plataformas espaciales. Está liderado por SENER.

2. Proyectos con la Agencia Espacial Europea

(ESA) relacionados con identificación de ataques y contramedidas para comunicaciones seguras en sistemas espacio - tierra.

#1 - Fragmentación

- Ámbitos relacionados: **seguridad civil, criptografía postcuántica, criptografía cuántica y temas de espacio** de forma separada y fragmentada.
 - **Ejemplo: criptografía postcuántica** (Hoja de ruta UE 2024), coordinar la transición a la criptografía postcuántica, definir estándares comunes, y asegurar la coherencia y eficiencia de este proceso en toda Europa y además:
 - **necesidad de hibridar criptografías** (postcuántica y cuántica) **para conseguir niveles de seguridad superiores**, sobre todo en **aplicaciones críticas como comunicaciones seguras gubernamentales o infraestructuras críticas** (es decir, entiendo yo lo que se busca también en Cluster 3).

#2 – Ambigüedad Civil/Dual

- Aunque muchas convocatorias europeas insisten en el carácter "civil" de los proyectos, se observa una creciente ambigüedad al fomentar explícitamente aplicaciones "duales", lo cual genera tensiones entre los objetivos civiles declarados y los intereses estratégicos en defensa.
- Esta dualidad también entra en conflicto con las directrices de algunas universidades, como la UAB, que promueven una investigación orientada a fines exclusivamente civiles y sociales, dificultando así la participación en proyectos con posibles derivadas en seguridad o defensa.

Jornada Cluster 3 - Seguretat

Grup de Sensors i Biosensors

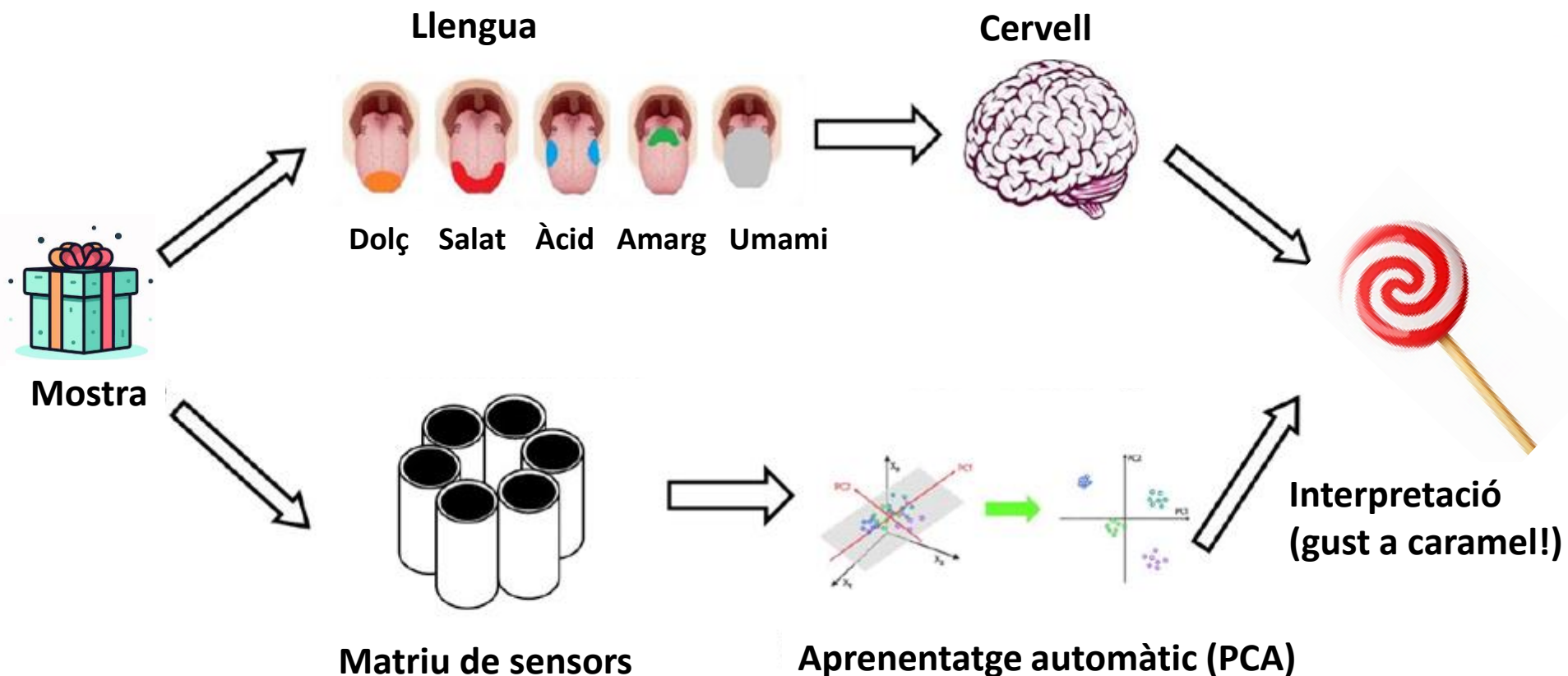
UAB

Universitat Autònoma de Barcelona

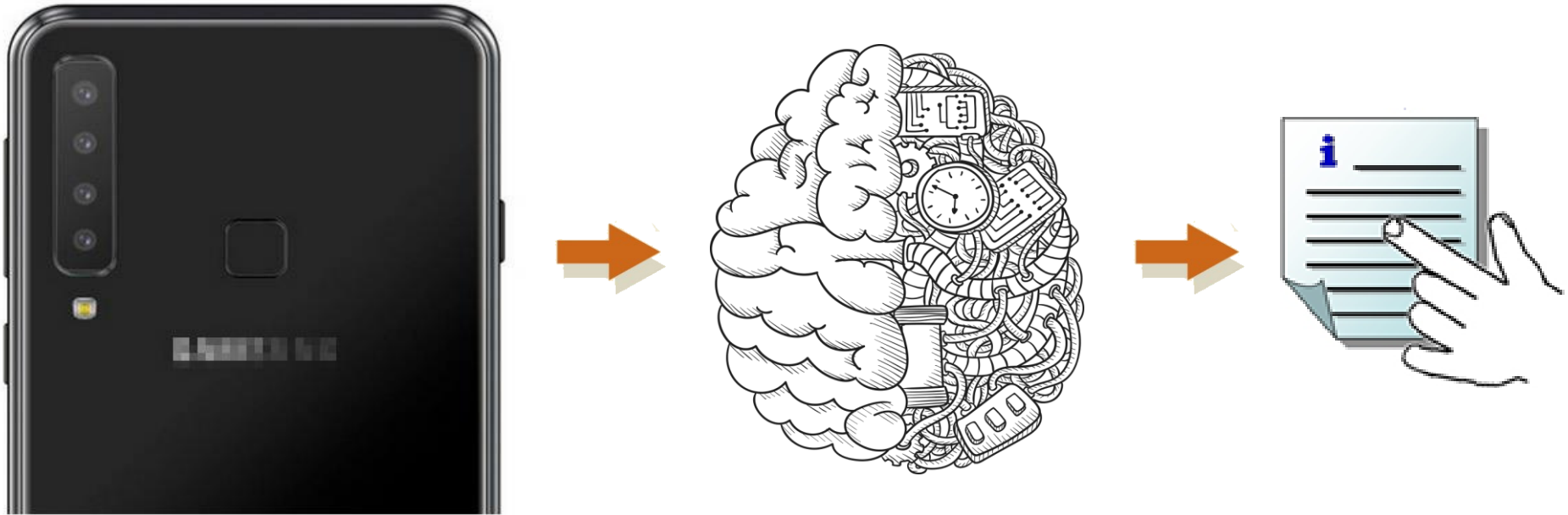
Prof. Manel del Valle

Manel.delvalle@uab.cat

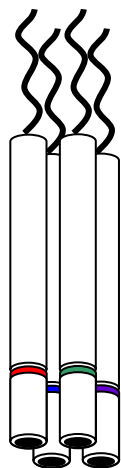
Concepte de llengua electrònica



Concepte de llengua electrònica

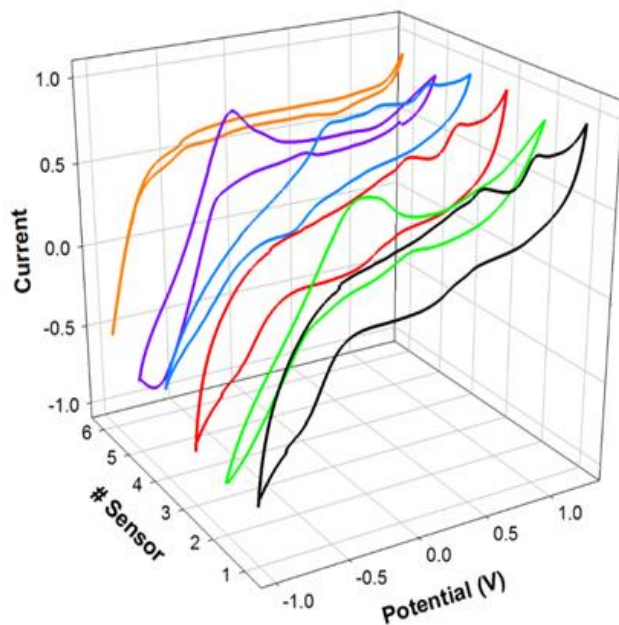


Llengua electrònica voltamètrica



N x sensors

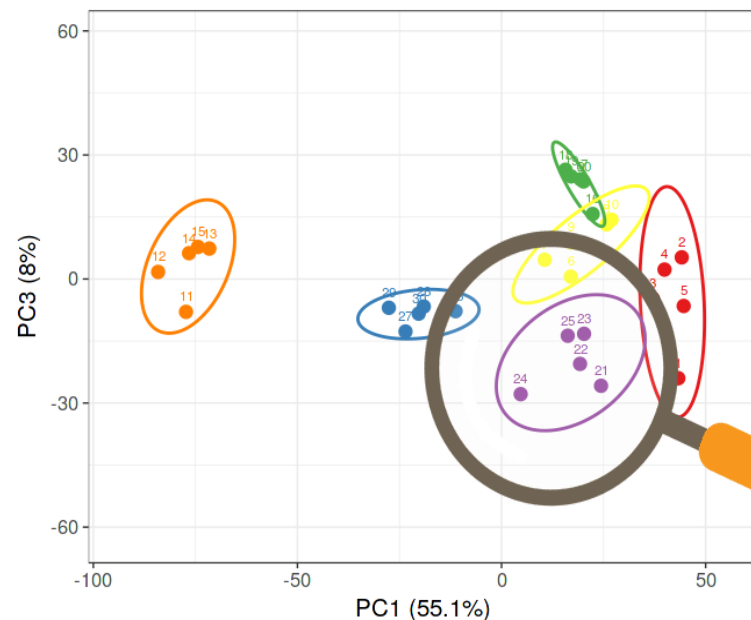
MOSTRA



N x voltamogrames



PCA



Identificació

Project BORDERSENS

Border detection of illicit drugs
and precursors by highly
accurate electrosensors

<http://bordersens.eu>



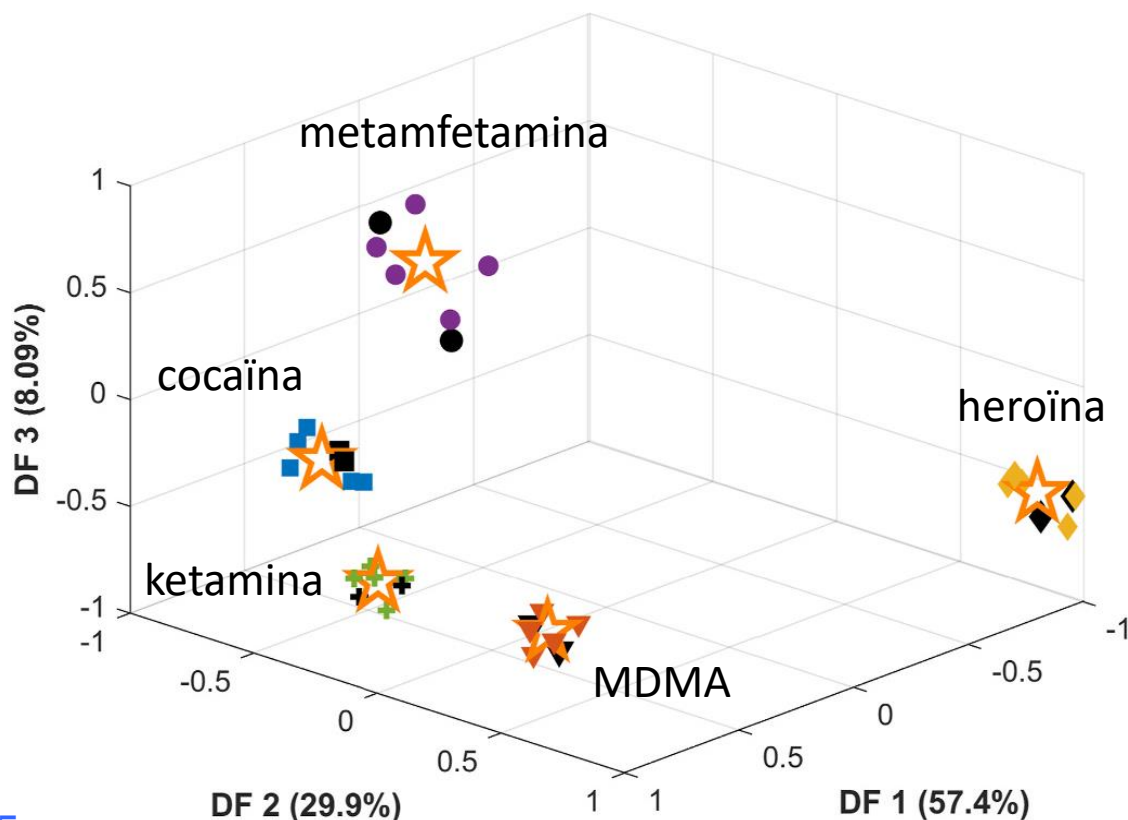
BorderSens project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 833787. This document reflects only the author's view and the Commission is not responsible for any use that may be made of the information it contains.



Identificació 5 drogues d'abús

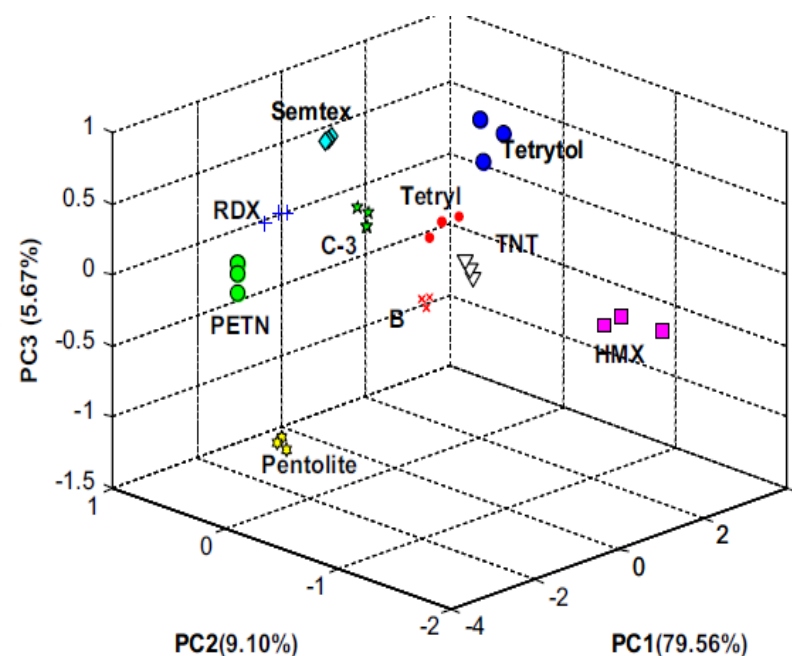
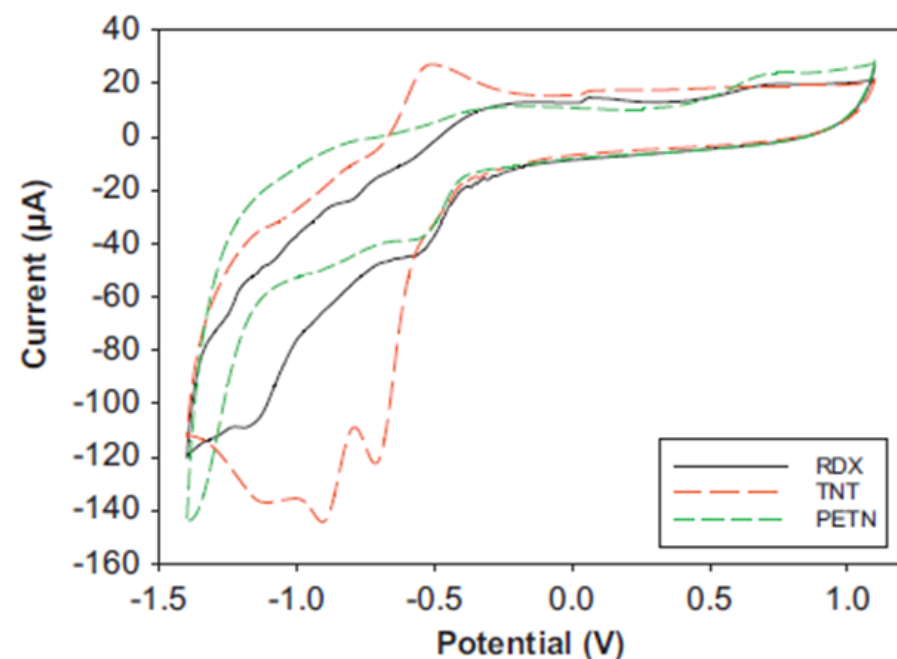
- Algorisme: LDA
- 35 mostres reals (confiscacions Mossos d'esquadra)
- 5 classes
- Validació creuada: (train / test): 80:20
- % identificació correcta (external test set): 100%

Talanta 282 (2025) 127055





Simultaneous identification and quantification of nitro-containing explosives by advanced chemometric data treatment of cyclic voltammetry at screen-printed electrodes





Electronic tongue for nitro and peroxide explosive sensing

