

Jornada Connect-EU

Impulsa el teu projecte d'**R+D**
i **innovació** a Europa



Co-organitzadors:

ACCIÓ i AGAUR

Amb el suport de:

iberCaja 



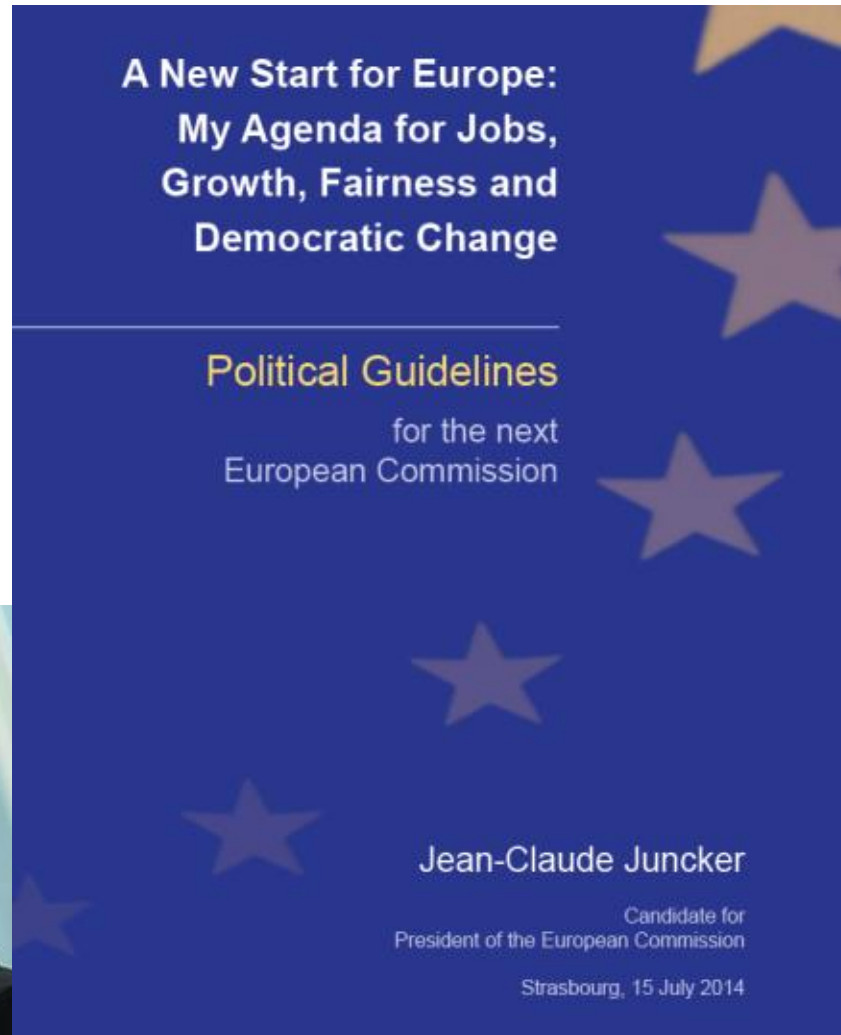
NEW OPPORTUNITIES IN H2020 FOR **SECURITY**, FOCUS ON **2018** CALLS

DR. MARINA MARTÍNEZ-GARCIA
SOST-CDTI, OFICINA DEL CDTI EN BRUSELAS

Contexto actual...



Orientación de la Comisión Europea con el Presidente Juncker



Orientación de la Comisión Europea con el Presidente Juncker



Section contents

10 Priorities

- > Jobs, Growth, Investment
- > Digital Single Market
- > Energy Union
- > Internal Market
- > Economic & Monetary Union
- > Free Trade
- > Justice & Fundamental Rights
- > Migration
- > A Global Actor
- > Democratic Change
- > More on my priorities



A New Boost for Jobs, Growth and Investment

My first priority as Commission President will be to strengthen Europe's competitiveness and to stimulate investment for the purpose of job creation. I intend to present, within the first three months of my mandate and in the context of the Europe 2020 review, an ambitious Jobs, Growth and Investment Package worth €300 billion.



A Connected Digital Single Market

I believe that we must make much better use of the great opportunities offered by digital technologies, which know no borders. To do so, we will need to have the courage to break down national silos in telecoms regulation, in copyright and data protection legislation, in the management of radio waves and in the application of competition law.



A Resilient Energy Union with a Forward-Looking Climate Change Policy

Current geopolitical events have forcefully reminded us that Europe relies too heavily on fuel and gas imports. I therefore want to reform and reorganise Europe's energy policy into a new European Energy Union. We need to pool our resources, combine our infrastructures and unite our negotiating power vis-à-vis third countries. We need to diversify our energy sources, and reduce the high energy dependency of several of our Member States.



A Deeper and Fairer Internal Market with a Strengthened Industrial Base

Orientación de la Comisión Europea con el Presidente Juncker

Section contents

- › Jobs, Growth, Investment
- › Digital Single Market
- › Energy Union
- › Internal Market
- › Economic & Monetary Union
- › Free Trade
- › Justice & Fundamental Rights
- › Migration
- › A Global Actor
- › Democratic Change
- › More on my priorities



A Deeper and Fairer Economic and Monetary Union

Over the next five years, I want to continue with the reform of our Economic and Monetary Union to preserve the stability of our single currency and to enhance the convergence of economic, fiscal and labour market policies between the Member States that share the single currency. I will do this on the basis of the "Four Presidents Reports" and the Commission's Blueprint for a Deep and Genuine Economic and Monetary Union, and always with Europe's social dimension in mind.



A Reasonable and Balanced Free Trade Agreement with the U.S.

Under my presidency, the Commission will negotiate a reasonable and balanced trade agreement with the United States of America. In a spirit of mutual and reciprocal benefits and transparency. It is anachronistic that, in the 21st century, Europeans and Americans still impose customs duties on each other's products.

These should be swiftly and fully abolished. I also believe that we can go a significant step further in recognising each other's product standards or working towards transatlantic standards



An Area of Justice and Fundamental Rights Based on Mutual Trust

Our European Union is more than a big common market. It is also a Union of shared values, which are spelled out in the Treaties and in the Charter of Fundamental Rights. Citizens expect their governments to provide justice, protection and fairness with full respect for fundamental rights and the rule of law.

This also requires joint European action, based on our shared values.



Towards a New Policy on Migration

The recent terrible events in the Mediterranean have shown us that Europe needs to manage migration better, in all aspects. This is first of all a humanitarian imperative. I am convinced that we must work closely together in a spirit of solidarity to ensure that situations such as the one in Lampedusa never arise again.



A Stronger Global Actor

We need a stronger Europe when it comes to foreign policy. The Ukraine crisis and the worrying situation in the Middle East show how important it is that Europe is united externally. There is still a long way to go.



A Union of Democratic Change

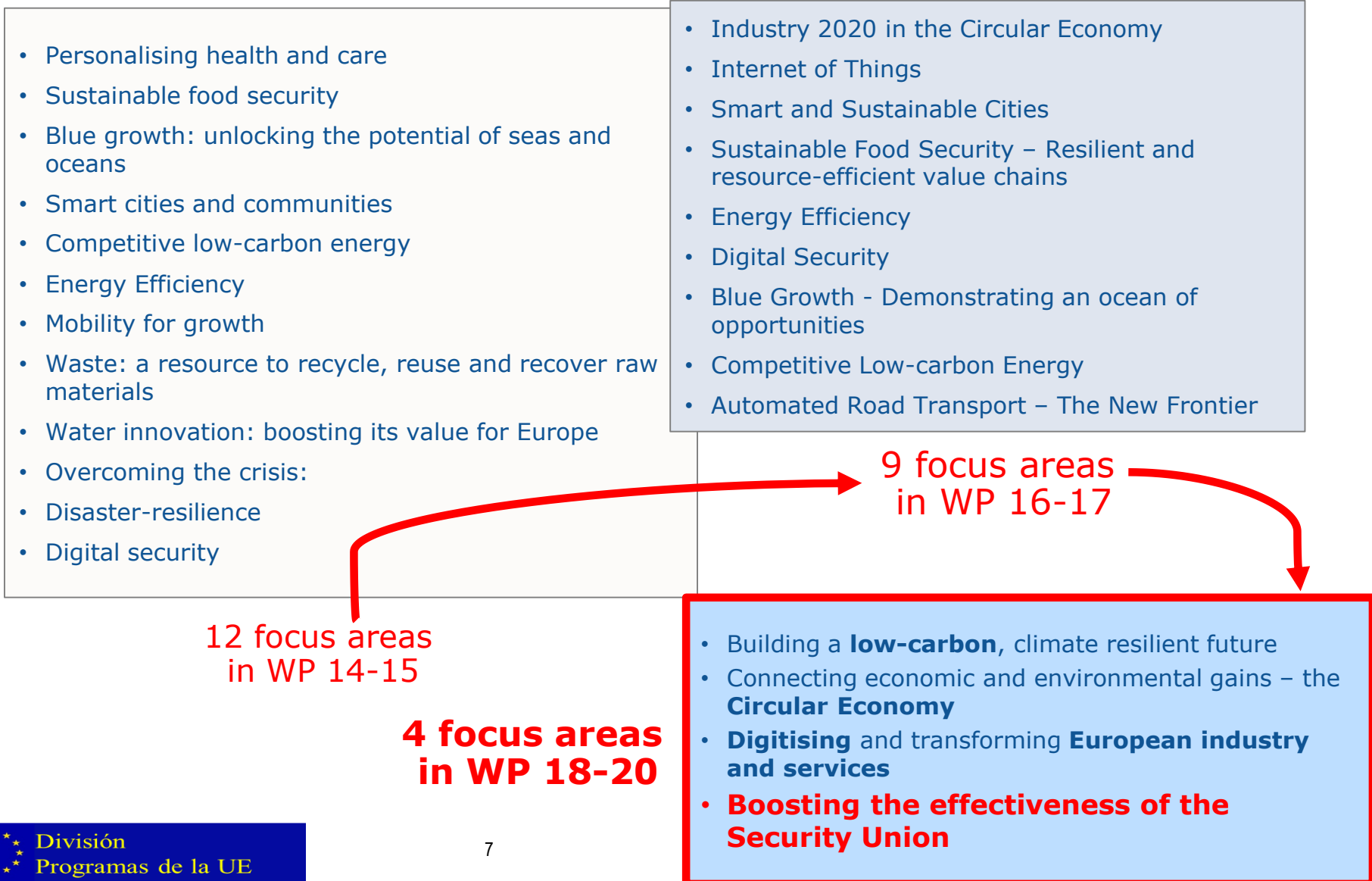
The proposal and election of the President of the European Commission in the light of the outcome of the European Parliament elections is certainly important, but only a first step in making the European Union as a whole more democratic. A European Commission under my leadership will be committed to filling the special partnership with the European Parliament, as laid down in the Framework Agreement of 2010,

with new life. I want to have a political dialogue with you, not a technocratic one.

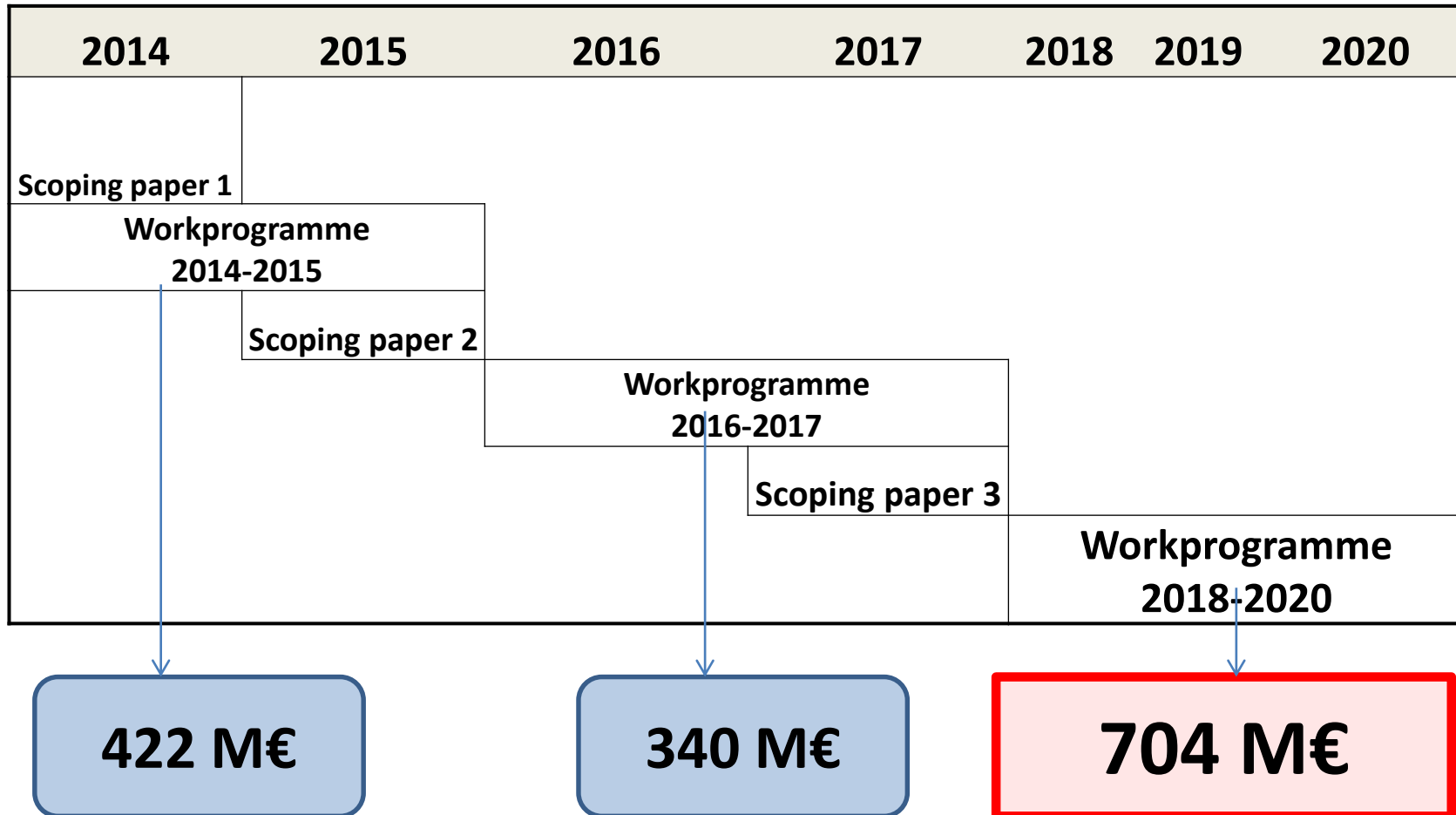


De cara a los programas 2018-2020...

A parte de cada programa temático existen unas FOCUS AREAS



WP 2018-2020



De cara a los programas 2018-2020...

4

Focus Area: Boosting the effectiveness of the Security Union

Budget: ca. €1,000m

| Mission | Component | Source |
|--|---|--|
| <ul style="list-style-type: none"> ✓ New technologies and processes to meet needs of security practitioners, including for fighting and preventing crime ✓ Reduced loss of life and damage from natural and man-made disasters ✓ Key infrastructure better protected ✓ EU borders better secured ✓ Secure and trusted digital environment | <ul style="list-style-type: none"> ✓ Better match R&D objectives with Security Union policy needs. ✓ Strengthen impact of security-related research: involving practitioners and stimulating new markets. ✓ Identify security-related research in other H2020 societal challenges, and contribute to other policies (Digital, Space, Health, etc.) | <ul style="list-style-type: none"> ✓ LEIT-ICT ✓ LEIT-Space ✓ SC - Health ✓ SC - Energy ✓ SC - Reflective Societies ✓ SC - Secure Societies |



Timing...



¿Dónde encontrar el WP?

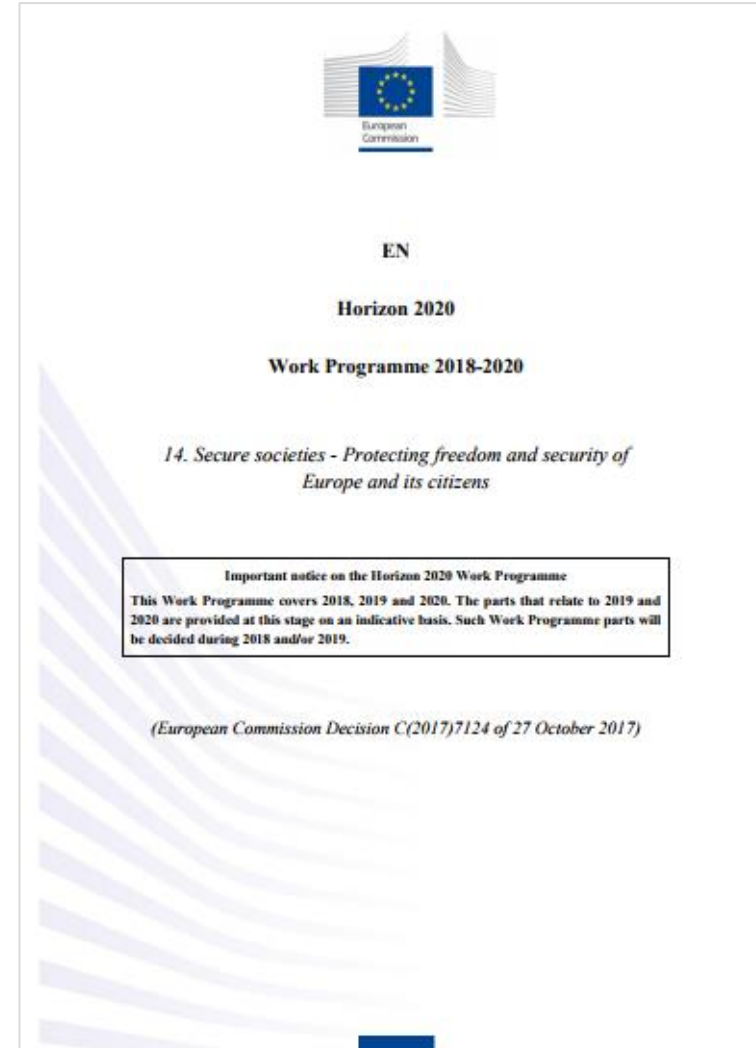
http://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-security_en.pdf

Timeline CALL-2018

OPENING = 15 Mar 2018

DEADLINE = **23 Aug 2018**

**Awarded projects will
start by Apr-May 2019**



Opportunities in “Secure Societies”...



OVERVIEW Structure for 2018-2020

Protecting the Infrastructure in Europe

Disaster - Resilient Societies

Fight Against Crime & Terrorism

Border & External Security

General Matters

Digital Security - Cybersecurity

Protecting the Infrastructure in Europe

SU-INFRA01-2018-2019-2020: Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe 8
SU-INFRA02-2019: Security for Smart Cities and "soft" targets in Smart Cities..... 11



2 years projects
Participation of industry required!!!!

Protecting the Infrastructure in Europe

SU-INFRA01-2018-2019-2020: Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe

IAs of about 8 M€ and TRL 7 for deploying solutions that allow forecast, prevention, detection, response, and in case of failure, mitigation of consequences (including novel installation designs) over the life span of the infrastructure and also the neighbouring populations and the environment.

- Interdependent physical (e.g. bombing, plane or drone overflights & crashes, spreading of fires, floods, seismic activity, space radiations, etc.) and cyber threats and incidents (e.g. malfunction of SCADA system, non-authorized access of server) and consider the cascading risks.
- Scenarios of real life in real-time and tackling physical and cyber threats.
- **SECTORS: Water systems, energy infrastructure (power plants and distribution), transport infrastructure, communication infrastructures, health services, e-commerce and the postal infrastructure, and financial services.**
- **At least 2 operators** (not necessary to be coordinators) of the chosen type of critical infrastructure operating in 3 Member States or Associated Countries.

24 M€ for call-2018 → About 3 projects!

Protecting the Infrastructure in Europe

SU-INFRA02-2019: Security for Smart Cities and "soft" targets in Smart Cities

IAs of about 8 M€ and TRL 7 for deploying pilots in **at least 2 cities** (or metropolitan áreas) that cover at least one of the next aspects:

- Simulation, detection and analysis of the additional security threats and risks created through the interconnection of smart systems (e.g. IoTs, in particular those IoT objects used by security practitioners) and smart infrastructures (e.g. smart (government) buildings, smart railways, smart ports, smart factories, smart bridges, smart hospitals, large gathering of people in smart infrastructure) within a smart city;
- Delivery of a cyber-security framework to make easy the collaboration across all smart cities stakeholders (urban planners, infrastructure operators, security practitioners, IT supervisors and providers) across smart organizations within the city;
- Support and implementation of a common approach to securing and managing the data from all the smart infrastructures and systems hosted in a smart city supporting the citizens, the public authorities, the security practitioners, and the urban economy.

**16 M€ for call-2019 →
About 2 projects!**

No es necesario que la ciudad sea ganadora previa de un proyecto "Smart Cities Lighthouse" ni coordinador!

Disaster - Resilient Societies

- SU-DRS01-2018-2019-2020: Human factors, and social, societal, and organisational aspects for disaster-resilient societies 19
- SU-DRS02-2018-2019-2020: Technologies for first responders..... 22
- SU-DRS03-2018-2019-2020: Pre-normative research and demonstration for disaster-resilient societies 24
- SU-DRS04-2019-2020: Chemical, biological, radiological and nuclear (CBRN) cluster... 25
- SU-DRS05-2019: Demonstration of novel concepts for the management of pandemic crises



**SOME TOPICS HAVE DIFFERENT SUB-TOPICS
depending on the year!!!!!!**

Disaster - Resilient Societies

SU-DRS01-2018-2019-2020: Human factors, and social, societal, and organisational aspects for disaster-resilient societies

RIA of 5 M€ (ONLY 1 Project in 2018) for deploying tools for national, regional and local authorities to address recent dramatic events either related to **natural causes** (flash floods, earthquakes, avalanches) or **terrorist attacks** have also illustrated that European society is not well prepared to react to disasters or industrial disasters.

- Involvement of first responders (**at least 3**), city authorities and citizens.
- International collaboration encouraged (not mandatory) with **Japan** (funded by Japan Science and Technology Agency).

SU-DRS02-2018-2019-2020: Technologies for first responders

RIA of 7 M€ & TRL 4-6 (About 4 Projects in 2018) for developing technologies in:

- **OR well, Victim-detection technologies , 2018**
- OR well, Innovation for rapid and accurate pathogens detection, 2019
- OR well, Methods and guidelines for pre-hospital life support, 2020
- **OR well, “Other technologies” including UAVs, robots, etc..., 2018-2019-2020**

In all **at least 3** first responders, but **5** for “Other”.



Disaster - Resilient Societies

SU-DRS03-2018-2019-2020: Pre-normative research and demonstration for disaster-resilient societies

IAs of 6 M€ & TRL 6-7 (ONLY 1 Project in 2018) for issues related to pre-standardisation in:

- **OR well, Pre-standardisation for the security of water supply, 2018** → Uptake results from previous FP7 projects but also to integrate current technologies in the existing water safety network.
- **OR well, Pre-standardisation in CBRN-E crisis management & Natural hazards, 2019**
- **OR well, First aids vehicles deployment, training, maintenance, logistic and remote centralized coordination means, 2020**

In all at least 3 first responders or agencies or operators...

Fight Against Crime & Terrorism

| | |
|---|----|
| SU-FCT01-2018-2019-2020: Human factors, and social, societal, and organisational aspects to solve issues in fighting against crime and terrorism..... | 28 |
| SU-FCT02-2018-2019-2020: Technologies to enhance the fight against crime and terrorism | 31 |
| SU-FCT03-2018-2019-2020: Information and data stream management to fight against (cyber)crime and terrorism..... | 33 |
| SU-FCT04-2020: Explosives: detection, intelligence, forensics | 35 |



**SOME TOPICS HAVE DIFFERENT SUB-TOPICS
depending on the year!!!!!!**

Fight Against Crime & Terrorism

SU-FCT01-2018-2019-2020: Human factors, and social, societal, and organisational aspects to solve issues in fighting against crime and terrorism

At least 3 LEAs, but 5 for “OPEN”.

RIAs of 5 M€ (About 2 Projects in 2018) for developing new approaches for:

- OR well, **New methods to prevent, investigate and mitigate trafficking of human beings and child sexual exploitation, 2018**
- OR well, **Understanding the drivers of cybercriminality, and new methods to prevent, investigate and mitigate cybercriminal behaviour, 2019**
- OR well, **Developing comprehensive multi-disciplinary and multi-agency approaches to prevent and counter violent radicalisation in the EU, 2020**
- **OR well, “OPEN”, 2018-2019-2020** → Other way to solve issues in fighting against crime and terrorism, **but supported by a larger number of LEAs.**

Fight Against Crime & Terrorism

SU-FCT02-2018-2019-2020: Technologies to enhance the fight against crime and terrorism

At least 3 LEAs, but 5 for “OPEN”.

RIAs of 7 M€ & TRL 4-6 (About 3 Projects in 2018) for new knowledge and targeted technologies for fighting against crime and terrorist organisations:

- OR well, **Trace qualification, 2019**
- OR well, **Digital forensics in the context of criminal investigations, 2018** → New forensic tools and methodologies, while fully respecting fundamental rights and privacy.
- OR well, **Money flows tracking, 2020**
- OR well, **“OPEN”, 2018-2019-2020** → Other ways and technologies including augmented reality, autonomous systems, technologies to support better protection of public figures, etc..., **but supported by large numbers of practitioners.**

For all the sub-topics, LEAs training and (joint) exercises, and of information packages for the wider public and civil society organisations is mandatory.

Fight Against Crime & Terrorism

SU-FCT03-2018-2019-2020: Information and data stream management to fight against (cyber)crime and terrorism

At least 3 LEAs

IAs of 8 M€ & TRL 5-7 (ONLY 1 Project) for developing solutions (in compliance with EU societal values, including privacy and fundamental rights) that allows the LEAs to **manage voluminous and heterogeneous data** (images, videos, geospatial intelligence, communication data, traffic data, financial transactions related date, etc.) and turn it into **actionable intelligence**.

- **Trend analysis of emerging cybercrime** activities based on past of (cyber)criminal activities, on technological developments, and on trends in the society.
- **Behavioural/anomaly detection** systems (using a large variety of sensors) and methodologies .
- **Balance** of IT specialists, psychologists, sociologists, linguists, etc. exploiting big data and predictive analytics: a) to characterize trends in cybercrime and in cybercriminal organizations and b) to enhance citizens' security against terrorist attacks in places considered as soft targets, including crowded areas (shopping malls, entertainment venues, etc.).
- **Societal aspects** (e.g. perception of security, possible side effects of technological solutions, societal resilience) have to be addressed.

Border & External Security

SU-BES01-2018-2019-2020: Human factors, and social, societal, and organisational aspects of border and external security..... 30
SU-BES02-2018-2019-2020: Technologies to enhance border and external security..... 32
SU-BES03-2018-2019-2020: Demonstration of applied solutions to enhance border and external security..... 34



**ALL TOPICS HAVE DIFFERENT SUB-TOPICS
depending on the year!!!!!!**

Border & External Security

SU-BES01-2018-2019-2020 → RIA of 5 M€ (About 2 Projects in 2018):

- **Sub-topic 1 (2018): Detecting security threats possibly resulting from certain perceptions abroad, that deviate from the reality of the EU**
- Sub-topic 2(2019): Modelling, predicting and dealing with migration flows to avoid tensions and violence
- Sub-topic 3(2020): Developing indicators of threats at the EU external borders on the basis of sound risk and vulnerability assessment methodologies
- **Sub-topic 4(2018-2019-2020): Open** (max 18 months)

SU-BES02-2018-2019-2020 → RIA of 7 M€ & TRL 4-6 (About 3 projects in 2018)

- **Sub-topic 1 (2018): Providing integrated situational awareness and applying augmented reality to border security**
- **Sub-topic 2 (2018): Detecting fraud, verifying document validity and alternative technologies to identifying people**
- Sub-topic 3 (2019): Security on-board passenger ships
- Sub-topic 4 (2019): Detecting threats in the stream of commerce without disrupting business
- Sub-topic 5 (2020): Disruptive sensor technologies for border surveillance
- **Sub-topic 6 (2018-2019-2020): Open** (max 18 months)

SU-BES03-2018-2019-2020 → IA of 5M€ (About 2 Projects in 2018)

- **Sub-topic 1 (2018): Remotely piloted aircrafts and underwater autonomous platforms for off-shore patrol vessels**
- Sub-topic 2 (2019): New concepts for decision support and information systems
- Sub-topic 3(2020): Improved systems for the detection, identification and tracking of small boats
- **Sub-topic 4(2018-2019-2020): Open** (max 18 months)

General Matters

| | |
|--|----|
| SU-GM01-2018-2019-2020: Pan-European networks of practitioners and other actors in the field of security..... | 43 |
| SU-GM02-2018-2020: Strategic pre-commercial procurements of innovative, advanced systems to support security | 45 |
| SU-GM03-2018-2019-2020: Pre-commercial procurements of innovative solutions to enhance security | 47 |



General Matters

- **SU-GM01-2018-2019-2020** → 4 sub-topics and **at least 8 users**:
 - Sub-topic 1 (2019-2020): Practitioners in the same discipline and from across Europe
 - **Sub-topic 2(2018): Innovation clusters from around Europe and training facilities**
 - **Sub-topic 3(2018): Procurement agencies**
 - Sub-topic 4(2019): Border and coast guard organizations

- **SU-GM02-2018-2020** → 2 sub-topics and **at least 6 users**:
 - **Sub-topic 1 (2018): Common requirements specifications for innovative, advanced systems to support security**
 - Sub-topic 2 (2020): Procurement of prototype systems among those specified as a result of sub-topic 1

| Topic | Instrument | Deadline | M€ |
|------------------------|----------------------|----------|------|
| SU-GM01-2018-2019-2020 | CSA; 1,5 – 3,5 M€ | 8/2018 | 5 |
| | | 8/2019 | 10,5 |
| SU-GM02-2018-2020 | CSA; 1 M€ | 8/2018 | 6 |
| SU-GM03-2018-2019-2020 | PCP CO-FUND; 2-12 M€ | 8/2018 | 8,2 |
| | | 8/2019 | 7 |

Digital Security - Cybersecurity

Cybersecurity, Digital Privacy and data protection 55

➔ **SU-DS01-2018: Cybersecurity preparedness - cyber range, simulation and economics..... 56**

SU-DS02-2020: Management of cyber-attacks and other risks 59

SU-DS03-2019-2020: Digital Security and privacy for citizens and Small and Medium Enterprises and Micro Enterprises 59

➔ **SU-DS04-2018-2020: Cybersecurity in the Electrical Power and Energy System (EPES): an armour against cyber and privacy attacks and data breaches 62**

➔ **SU-DS05-2018-2019: Digital security, privacy, data protection and accountability in critical sectors..... 65**



Digital Security - Cybersecurity

SU-DS01-2018: Cybersecurity preparedness - cyber range and economics → IAs of 5-6 M€ of TRL 7 (About 2 Projects)

SU-DS04-2018-2020: Cybersecurity in the Electrical Power and Energy System (EPES): an armour against cyber and privacy attacks

IA of 6-8 M€ and TRL 7 (20M€ for 2018) for developing solutions for protection, early detection and recovery of power plants from cyber-attacks.

- Protection to the consumers (Smart-meters at home) and the grid as well.

SU-DS05-2018-2019-2020: Digital security, privacy and accountability in critical sectors

IAs of 3-4 M€ and TRL 7 (8,5 M€ for 2018) for developing cyber-protection solutions for:

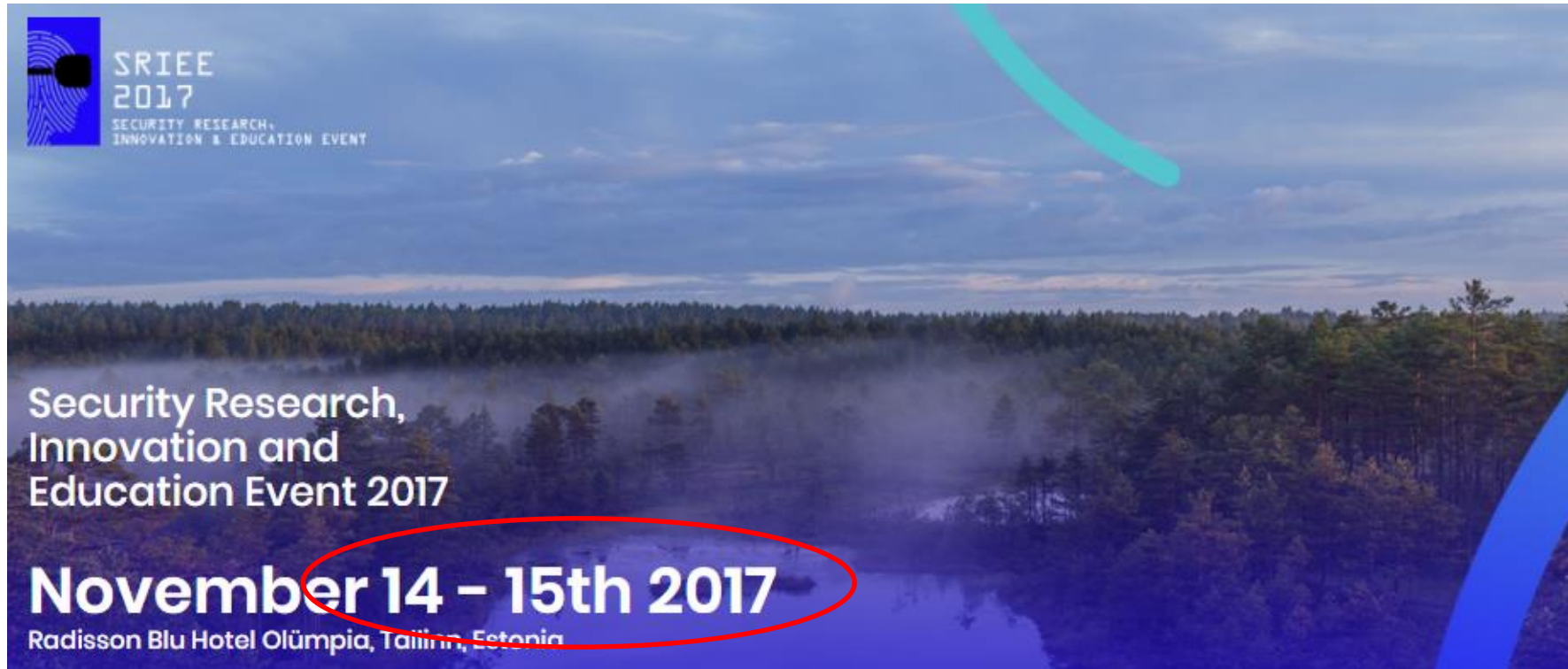
- OR well, In **multimodal transport systems**, 2019
- OR well, In the healthcare ecosystem, 2019
- **OR well, In the finance sector, 2018**



Interesting events to attend...

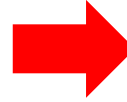


Events preparing the Call-2018...



Events preparing the Call-2018...

**INFODAY & Networking event
call-2018**



<https://ec.europa.eu/digital-single-market/en/events/ict-proposers-day-2017>

ICT Proposers' Day 2017

ICT Proposers' Day 2017 will take place on 9 and 10 November in Budapest, Hungary. This networking event centres on European ICT Research & Innovation with a special focus on the Horizon 2020 Work Programme for 2018-20. An Opening Ceremony and Social Event will be organised by the Hungarian Ministry of National Development and will take place on 8 November.



Events preparing the Call-2018...



23 & 24 JANVIER 2018
LILLE GRAND PALAIS



A PROPOS DU FIC

PARTENAIRES 2018

FORUM

PRIX & CHALLENGES

INFOS PRATIQUES

RETOUR SUR LE FIC2017

Julian King, Commissaire européen à la sécurité sera présent au FIC

Julian King interviendra en séance plénière au FIC2018.



Events preparing the Call-2018...

SAVE-THE-DATE FOR THE SMI2G MEETING 2018

As in previous years, the Security Mission Information & Innovation Group (SMI2G) is organising a two-day event in Brussels to discuss on the upcoming 2018 Secure Societies and ICT calls of Horizon 2020. This brokerage event will provide a unique networking platform to stimulate innovative ideas and facilitate the creation of consortia. All security topics will be represented.

This event will be held on **Thursday 1st and Friday 2nd February 2018.**

This year the SMI2G is kindly hosted again by Université Catholique de Louvain (UCL) in **Brussels.**

Don't miss out on this excellent opportunity to expand your network and find partners for your proposals! Details and link for registration will be send in due time.

ORGANISED BY:



EARTO Security Research Group



Seren3 Network



European Organisation for Security



Last but not least...



Relevant Stakeholders...



**A PARTNERSHIP
FOR CYBER SECURITY IN EUROPE**

BUILDING TOGETHER A EUROPEAN CYBER ECOSYSTEM

Become member of a unique
pan-european cyber security
organisation.

[More info](#)

- ECISO members
- Application form
- FAQ

- ### RTO/UNIVERSITIES
- AIT - Austrian Institute of Technology(Austria)
 - BCU - Ben-Gurion University of the Negev(Israel)
 - BU - Bournemouth University - Department of Computing & Informatic(United Kingdom)
 - CEA - Commissariat à l'énergie Atomique et aux Energies Alternatives(France)
 - CEFRIEL(Italy)
 - CEPS(Belgium)
 - CERTH/ITI - Centre for Research and Technology Hellas/Information Technologies Institute(Greece)
 - CINI - Consorzio Interuniversitario Nazionale per l'Informatica(Italy)
 - CNR - Consiglio Nazionale delle Ricerche(Italy)
 - CNRS - Centre National de la Recherche Scientifique(France)
 - CNTI - Cyprus Neuroscience & Technology Institute(Cyprus)
 - CSIT - Centre for Secure Information Technologies, Queen's University, Belfast(United Kingdom)
 - Digital Catapult (DIGICAT)(United Kingdom)
 - DTU - Technical University of Denmark(Denmark)
 - EURECAT(Spain)
 - FORTH - Foundation for Research and Technology - Hellas(Greece)
 - Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.(Germany)
 - Fundación APWC(Spain)
 - Global Cyber Alliance(Belgium)
 - Goethe-Universität Frankfurt(Germany)
 - Gradient - Fundación Centro Tecnológico de Telecomunicaciones de Galicia(Spain)
 - IK4 Research Alliance - Asociación IK4 Research Alliance(Spain)



Instrumentos de financiación 2018-2020

- ✓ **Research and Innovation Action (RIA)**
- ✓ **Innovation Action (IA)**
- ✓ **Coordination and Support Action (CSA)**
- ✓ **SME Instrument**
- ✗ **Pre-Commercial Procurement Cofund (PCP)**
- ✓ **Fast Track to Innovation Pilot**

Relación tipología / TRL

RIA

- TRL 1 – basic principles observed
- TRL 2 – technology concept formulated
- TRL 3 – experimental proof of concept
- TRL 4 – technology validated in lab

IA

TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)

SMEs

TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)

PCP

TRL 7 – system prototype demonstration in operational environment

TRL 8 – system complete and qualified

TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space).

CSA → Redes de usuarios, redes de excelencia, organización de eventos y conferencias, estudios y actividades de recomendaciones para políticas y regulaciones europeas futuras, etc... NO INVESTIGACIÓN.

Research and Innovation Action (RIA)

- **Objetivo:** Establecer nuevo conocimiento o explorar la viabilidad de una tecnología nueva o mejorada de un proceso, producto, servicio o solución.
 - Puede incluir investigación fundamental o aplicada, desarrollo tecnológico e integración, testing y validación de un prototipo a pequeña escala en un laboratorio o entorno simulado.
- **Financiación:** Hasta el **100%** de los costes elegibles
- **Criterios de elegibilidad:** **Tres entidades legales** independientes, establecidas en 3 Estados Miembro o países asociados distintos.

Innovation Action (IA)

- **Objetivo:** Producir planes y estructuras o diseños de nuevos productos, procesos o servicios modificados o mejorados
 - Puede incluir prototipos, testing, demostraciones, pilotos, validación de productos a gran escala y replicación de mercados.
- **Financiación:** Hasta el 70% de los costes elegibles (hasta el 100% para organizaciones sin ánimo de lucro)
- **Criterios de elegibilidad:** Tres entidades legales independientes, establecidas en 3 Estados Miembro o países asociados distintos.

Coordination and Support Action (CSA)

- **Consiste en:** Medidas de acompañamiento tales como normalización, difusión, sensibilización y comunicación, creación de redes, servicios de coordinación o de apoyo, diálogos sobre políticas y ejercicios y estudios de aprendizaje mutuo, incluyendo estudios de diseño de nuevas infraestructuras y también puede incluir actividades complementarias de planificación estratégica, creación de redes y coordinación entre programas en diferentes países.
- **Financiación:** Hasta el 100% de los costes elegibles
- **Criterios de elegibilidad:** Una entidad legal establecida en un Estado Miembro o país asociado.

Otras opciones de instrumentos de financiación...

SMEs Instrument

- **Descripción:** El instrumento de las PYME está dirigido a todo tipo de PYME innovadoras que muestren una fuerte ambición de desarrollar, crecer e internacionalizarse. Proporciona apoyo que abarca todo el ciclo de la innovación en tres fases, complementados por un servicio de “mentoring” y “coaching”.
- **Financiación:** Hasta el **70%** de los costes elegibles.
 - Fase-1 → Lump Sum de 50 k€ y duración 6 meses
 - Fase-2 → 0,5-2,5 M€ EC requested y duración hasta 2 años
 - Fase-3 Comercialiación → No funding y sólo apoyo (mentoring, training, red EEN...)
- **Criterios de elegibilidad:** PYMEs con ánimo de lucro. Sólo se aceptarán solicitudes de PYMEs establecidas en Estados Miembro de la UE o asociados.

Cambios en la evaluación de FASE-2 a partir de 2018!!!

NB: *Múltiples fechas de cierre. Consultar el programa de trabajo.*

Otras opciones de instrumentos de financiación...

Fast Track to Innovation (FTI)

- **Descripción:** Proyectos colaborativos pequeños (3-5 socios y unos ≈2 M€ EC requested) con idea de llevar a mercado una **solución innovadora y multidisciplinar en menos de 3 años**. No investigación, sino innovación, desarrollo, integración, validación y test a escala real, aproximación a mercado (usuario final). Importante peso empresarial.
Inicio TRL ≥ 6 → Final TRL = 9
- **Financiación:** Hasta el **70%** de los costes elegibles (100% para entidades sin ánimo de lucro)
- **Criterios de elegibilidad:** Cualquier participante público o privado. Como mínimo 3 entidades establecidas en 3 Estados Miembros de la UE o asociados diferentes. Al menos 60% de presupuesto destinado a industria. Coordinador NO start-up (validación económica).

*NB: 3 fechas de cierre al año.
Consultar el programa de trabajo.*

**Vuelve a estar activo a partir de 2018!!!
Primer Cut-OFF 21-Feb-2018**

Many thanks...

Martínez-García

H2020 Programme at SOST-CDTI office

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Com hem afrontat la participació a H2020
Estratègia cap a l'èxit

Innovant amb les empreses

Programa Societats Segures H2020

- Secure Societies és un programa complex
 - Si som operador o usuari final
 - Definir quins són els reptes que es volen resoldre
 - Si som una empresa proveïdora de solucions
 - Tenir clarament definit quina oferta tecnològica tenim i podem oferir en un determinat entorn (millor si ja disposem de solucions implementades en algun sector)
- I encara millor si fem tàndem entre un operador o usuari final i una empresa que ja li estigui proveïnt serveis

Projecte STOP-IT

Strategic, Tactical, Operational Protection of water Infrastructure
against cyber-physical Threats

STOP-IT té com a objectiu crear eines tecnològiques d'anàlisis i prevenció de riscos en infraestructures de subministrament d'aigua per contrarestar ciberatacs o riscos naturals.

STOP-IT permetrà mesurar l'eficàcia de les tecnologies actuals i proposar noves mesures pal·liatives més eficients o complementàries per prevenir futures amenaces.



- 22 socis (+2 third parties)
- SINTEF coordinador
- Noruega, Alemanya, Espanya, Holanda, Israel, Grècia, Bèlgica
- 1043 PMs
- 9.6M Budget – 8.25M€ Funding
- Iniciat 1/06/2017 (48 mesos durada)

- Eurecat 1r soci en esforç

Claus d'èxit per un projecte Secure Societies

- Identificar necessitats dels usuaris finals
- Llistar les necessitats i prioritzar-les
- Definir solucions tecnològiques que poden aportar els socis
- Fer matching de necessitats i solucions tècniques
- Aquelles que no encaixin, es queden fora del projecte
- Identificar clarament en quin TRL es troba cada una de les tecnologies a l'inici del projecte i quin TRL final s'espera
- Fer llista preliminar de productes

Com vam plantejar la nostra participació

- Tenim un bon posicionament en el sector de gestió de l'aigua
- Col·laborem amb centre de recerca de l'aigua (CETAQUA) associat a AGBAR
- Reunions amb responsable de seguretat d'AGBAR per definir prioritats i establir la validació de les solucions
- Complementem coneixement de domini oferint eines TIC per gestionar les infraestructures
 - Grup de **Smart Management Systems** d'Eurecat ofereix diverses solucions per gestió i simulació en distribució d'aigua i plantes de tractament
- Capacitats i solucions en gestió de ciberseguretat en sector financer
 - Grup de **IT Security** d'Eurecat disposa de solucions funcionant que s'han traslladar cap al sector aigua (visualització d'amenaques, atacs radiofreqüència, ...) i d'altres que es desenvoluparan de nou (detecció d'anomalies, integritat de dades utilitzant blockchain)

Què n'hem tret?

- Evolució de solucions tecnològiques ja existents
- Transferència de solucions tecnològiques a nous sectors
 - Cyber Intelligence Center
- Hem millorat el posicionament en sector aigua i en la protecció d'infraestructures
 - Detecció d'anomalies
 - Integritat de dades en entorn industrial amb solucions blockchain
- Hem incrementat el posicionament en gestió de seguretat en infraestructures a l'entorn català
 - Contractes directes de provisió de serveis amb operadors catalans



Us animem a participar

- Oferiu solucions que us interressi evolucionar en els propers anys
- Busqueu “mini-consorcis” locals per anar a un consorci important a nivell Europeu
- Quan entreu a un consorci, participeu-hi activament
- Participeu a esdeveniments genèrics i dedicats

ICT Proposers day – 9 i 10 de Novembre, Budapest

SMI2G – 1 i 2 de Febrer de 2018, Brussel·les

GRÀCIES

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Public Programmes



HORIZON 2020

Seguretat i protecció d'Europa i els ciutadans



Entitats catalanes participants



A broad range of services for growth-oriented SMEs



Business Support on Your Doorstep

INTERNATIONAL PARTNERSHIPS

Partnership database

Brokerage events

Company missions

ADVISORY SUPPORT

Advice on EU laws and
standards

Market intelligence

IPR expertise

INNOVATION SUPPORT

Access to finance and funding

Innovation Management
Services

Technology transfer

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