

#innovacion
#ayudascdti
#asesoramiento
#internacionalizacion



@CDTIoficial



La preparación de propuestas. Documentación y aspectos más relevantes

ESHORIZONTE2020

Portal español del Programa Marco de Investigación e Innovación de la Unión Europea

@EsHorizonte2020

Ainara Ripa, NCP Seguridad, INTA
Marina Martínez, NCP Seguridad, Spanish Office for Science and Technology, SOST-CDTI

**Esta presentación tiene carácter informativo y en ningún caso sustituye o reemplaza la documentación oficial publicada por la EC.*

CDTI, E.P.E.

NOVEDADES-DOCUMENTACION DE APOYO

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

SEARCH FUNDING & TENDERS | HOW TO PARTICIPATE | PROJECTS & RESULTS | WORK AS AN EXPERT | SUPPORT

Topic updates
Topic description
Conditions and documents
Partner search
Submission service
Topic related FAQ
Get support
Call information
Call updates
Funded project list
Go back to search results

Call updates
Updates - News
CALL :
• Mar 12, 2020 12:30:23 AM The submission session is now available for: SJ-INFRA01-2018-2019-2020(A)
• Mar 10, 2020 5:23:14 PM
Information for Applicants to SJ-INFRA01-2018-2019-2020

Go to top

Results: 6

TITLE	ACRONYM	PROJECT ID
Data-based analysis for SAFETY and security protection FOR detection, prevention, mitigation and response in trans-modal metro and RAILWAY networks	SAFETY4RAILS	883532
End-to-end Security of the Digital Single Market's E-commerce and Delivery Services ecosystem	ENDURESEC	883242
Improving resilience of sensitive industrial plants & infrastructures exposed to cyber-physical threats by means of an open testbed stress testing system	InfraRes	833088
Safety and Security Standards of Space Systems, ground Segments and Satellite data assets, via prevention, detection, response and mitigation of physical and cyber threats	7SHIELD	883284
Securing The European Gas Network	SecuGas	833017
Security of Air transport infrastructure of Europe	SATIE	832969

CORDIS
Resultados de investigaciones de la UE

PORTADA | RESULTS PAGES | REVISTAS DE INVESTIGACIÓN | NOTICIAS Y EVENTOS | PROYECTOS Y RESULTADOS | APLICACIÓN DE

Horizonte 2020
Data-based analysis for SAFETY and security protection FOR detection, prevention, mitigation and response in trans-modal metro and RAILWAY networks

Ficha informativa

Objetivo
Railways and Metros are safe, efficient, reliable and environmentally friendly mass carriers, and they are becoming even more important means of transportation given the need to address climate change. However, being such critical infrastructures turns metros and railway operators as well as related intermodal transport operators into attractive targets for cyber and/or physical attacks. The SAFETY4RAILS project delivers methods and systems to increase the safety and recovery of track-based inter-city railway and intra-city metro transportation. It addresses both cyber-only attacks (such as impact from WannaCry infections), physical-only attacks (such as the Madrid commuter trains bombing in 2014) and combined cyber-physical attacks, which an important emerging scenarios are given increasing IoT infrastructure integration. SAFETY4RAILS concentrates on rush hour rail transport scenarios where many passengers are using metros and railways to commute to work or attend mass events (e.g. large multi-venue sporting events such as the Olympics). When an incident occurs during heavy usage, metro and railway operators have to consider many aspects to ensure passenger safety and security, e.g. carry out a threat analysis, maintain situation awareness, establish crisis communication and response, and they have to ensure that mitigation steps are taken and communicated to travellers and other users. SAFETY4RAILS will improve the handling of such events through a holistic approach. It will analyse the cyber-physical resilience of metro and railway systems and deliver mitigation strategies for an efficient response, and, in order to remain secure given ever-changing novel emerging risks, it will facilitate continuous adaptation of the SAFETY4RAILS solution; this is validated by two rail transport operators and the results supporting the re-design of the final prototype.

Información del proyecto
SAFETY4RAILS
Identificador del acuerdo de subvención: 883532
Estado: Acordado de subvención firmado
Fecha de inicio: 1 Octubre 2020
Fecha de finalización: 30 Septiembre 2022
Financiado con arreglo a: H2020-EU.3.7.4 H2020-EU.3.7.2.
Presupuesto general: € 9 641 911,04
Aportación de la UE: € 7 697 801,29

Programa(s)
H2020-EU.3.7.4 - Improve cyber security

Coordinado por: **FAUHNHOFER GESELLSCHAFT ZUR FÖRDERUNG DER ANGENANDTEN FORSCHUNG G.m.b.H.**
Alemania

<https://cordis.europa.eu/>

SECURE SOCIETIES 2020 CALL
QUESTIONS & ANSWERS (in red)

.pdf

INFODAYS Y WEBINARS: ACCESO A LAS GRABACIONES / PRESENTACIONES

	FECHA	TEMÁTICA
Infodays	26/02/2020	Jornada Informativa Nacional
	12/03/2020	1st ONLINE H2020 Secure Societies European Information day and brokerage event
	12/05/2020	2nd ONLINE H2020 Secure Societies European Information day and brokerage event (CoU+NoP)
Webinars	28/04/2020	ONLINE Training: How to deal with the Security issues in SC7
		ONLINE Workshop on cybersecurity
	19/05/2020	SU-DRS01-2020: Human Factors
	20/05/2020	SU-DRS02-2020: Technologies for first responders
	20/05/2020	SU-DRS03-2020: Pre-normative research and demonstration for disaster-resilient societies
	08/06/2020	Programa ISFP (password 92mAMi6r)
Brokerage Event	29/01/2020 - 30/01/2020	SMI2G 2020



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

TOPICS CALL 2020

		SUB- TOPICS	ACTION TYPE	FUND	PER PROJECT	TRL	No. PROPOSALS
SU-INFRA01-2018-2019-2020	Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe	0	IA	15	7	7	2
SU-AI01-2020	Developing a research roadmap regarding Artificial Intelligence in support of Law Enforcement	0	CSA	1,5	1,5		1
SU-AI02-2020	Secure and resilient Artificial Intelligence technologies, tools and solutions in support of Law Enforcement and citizen protection, cybersecurity operations and prevention and protection against adversarial Artificial Intelligence	0	IA	17	17	7-8	1
SU-AI03-2020	Human factors, and ethical, societal, legal and organisational aspects of using Artificial Intelligence in support of Law Enforcement	0	CSA	1,5	1,5		1
SU-DRS01-2018-2019-2020	Human factors, and social, societal, and organisational aspects for disaster-resilient societies	0	RIA	5	5		1
SU-DRS02-2018-2019-2020	Technologies for first responders	2	RIA	21	7	4-7	3
SU-DRS03-2018-2019-2020	Pre-normative research and demonstration for disaster-resilient societies	0	IA	6	6	6-7	1
SU-DRS04-2018-2019-2020	Chemical, biological, radiological and nuclear (CBRN) cluster	0	RIA	10	3,5	4-6	3
SU-FCT01-2018-2019-2020	Human factors, and social, societal, and organisational aspects to solve issues in fighting against crime and terrorism	2	RIA	10	5		2
SU-FCT02-2018-2019-2020	Technologies to enhance the fight against crime and terrorism	3	RIA	27,2	7	4-6	4
SU-FCT03-2018-2019-2020	Information and data stream management to fight against (cyber)crime and terrorism	0	IA	8	8	5-7	1
SU-FCT04-2020	Chemicals: intelligence, detection, forensics	0	IA	10	5	6-7	2

TOPICS CALL 2020

		SUB-TOPICS	ACTION TYPE	FUND	PER PROJECT	TRL	No. PROPOSALS
SU-BES01-2018-2019-2020	Human factors, and social, societal, and organisational aspects of border and external security	0	RIA	5	5		1
SU-BES02-2018-2019-2020	Technologies to enhance border and external security	2	RIA	21	7	5-6	3
SU-BES03-2018-2019-2020	Demonstration of applied solutions to enhance border and external security	2	IA	10	5	6-8	2
SU-GM01-2018-2019-2020	Pan-European networks of practitioners and other actors in the field of security	0	CSA	7	3,5		2
SU-GM02-2018-2019-2020	Strategic pre-commercial procurements of innovative, advanced systems to support security	0	PCP	24	12	8	2
SU-DS02-2020	Intelligent security and privacy management	2	RIA	20	2-5	5-6	5?
SU-DS02-2020	Intelligent security and privacy management	2	IA	18	2-6	7	5?
SU-DS03-2019-2020	Digital Security and privacy for citizens and Small and Medium Enterprises and Micro Enterprises	2	IA	10,8	3-5	7	3?
SU-DS04-2018-2020	Cybersecurity in the Electrical Power and Energy System (EPES): an armour against cyber and privacy attacks and data breaches	0	IA	20	6-8	7	3?

TASAS DE ÉXITO CALL 2019

Tasa de éxito POR TOPIC (%):

Topic #	1	2	3	4	5
INFRA	13	9			
DS			12		11
SEC-BES	13	25	100		
SEC-DRS	8	8	50	17	25
SEC-FCT	23	15	17		
SEC-GM	33				

Tasa de éxito POR SUBTOPIC (%):

Topic #	OP	1	2	3	4	A	B	IA	RIA
BES01	33		8						
BES02	33			33	14				
BES03	100		100						
DRS02	7		25						
FCT01	17		29						
FCT02	20	11	10						
DS03						8	14		
DS05								20	7



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

Cobertura por topic 2019

Propuestas recibidas por topic:

Topic #	1	2	3	4	5
INFRA	24	24			
DS			42		38
SEC-BES	18	21	2		
SEC-DRS	26	63	2	12	6
SEC-FCT	17	35	7		
SEC-GM	5				

Propuestas evaluadas por topic:

Topic #	1	2	3	4	5
INFRA	24	22			
DS			42		38
SEC-BES	16	16	2		
SEC-DRS	24	61	2	12	4
SEC-FCT	13	34	6		
SEC-GM	3				



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

Cobertura por sub-topic (SEC y DS)

Recibidas

Topic #	OP	1	2	3	4	A	B	IA	RIA
BES01	5		13						
BES02	9			4	8				
BES03	1		1						
DRS02	59		4						
FCT01	9		8						
FCT02	16	9	10						
DS03						13	29		
DS05								10	28

Evaluadas

Topic #	OP	1	2	3	4	A	B	IA	RIA
BES01	3		13						
BES02	6			3	7				
BES03	1		1						
DRS02	57		4						
FCT01	6		7						
FCT02	15	9	10						
DS03						13	29		
DS05								10	28



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



GOBIERNO DE ESPAÑA

MINISTERIO DE DEFENSA



@CDTIoficial

INFRA-01 → TOPIC UPDATES

TASA de ÉXITO 2019= 13%



TOPIC	ANSWERS
SU-INFRA01	<ul style="list-style-type: none">• As stated in the WP text, proposals should also address the interrelations between different types of critical infrastructure, including sub-sectors.• It is up to the applicants to decide how many demos are deemed necessary to achieve the desired results. Important is a logical link between demos and the scope of the project.• The eligibility conditions request at least 2 operators of the chosen type of critical infrastructure operating in 2 Member States or Associated Countries must be beneficiaries.• If more than one CI is covered, then each should be represented by two operators.• All the sectors listed in the topic INFRA01 are eligible under the condition of the 2020 call specifications.• In 2020, proposals should still put the main focus on one of the listed infrastructures (while avoiding duplication of aspects already covered in previously selected projects).• In addition to previous years, they should put a stronger emphasis on the assessment and mitigation of possible cascading effects on other critical infrastructures or - if appropriate – on sub-sectors within the given infrastructure.



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

PROPUESTAS PRESENTADAS por SECTOR call-2018

Sector	Submitted	Funded
Transport	11	1
Energy (gas)	2	1
Industrial Sites	3	1
Communications	1	0
Health	3	0
Finance	1	0
Water	1	0
Postal	1	0
Ground Segment	1	0

Objective:

- To cover the largest possible spectrum of installations.
- Minimize overlapping with ongoing actions

PROPUESTAS PRESENTADAS por SECTOR call-2019

Topic #	WATER	ENER	TRANS	COM	COM-SPACE	HEALTH	E-COMM	IND	FIN
INFRA01	3	3	13	0	1	2	2	0	0



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

Funded projects - Call 2016

- ❑ [SAURON - Scalable multidimensional sitUation awaReness sOlution for protectiNg european ports](#) - SAURON project proposes the holistic situation awareness concept as an integrated, scalable and yet installation-specific solution for **protecting EU ports and its surroundings**. [Página web SAURON](#)

- ❑ [DEFENDER - Defending the European Energy Infrastructures](#) - DEFENDER will (i) model **CEIs as distributed Cyber-Physical Systems for managing the potential reciprocal effects of cyber and physical threats** (ii) deploy a novel security governance model, which leverages on lifecycle assessment for cost-effective security management over the time (iii) bring people at centre stage by empowering them as virtual sensors for threat detection, as first level emergency responders to attacks, or by considering workforce as potential threats. [Página web DEFENDER](#)

- ❑ [STOP-IT - Strategic, Tactical, Operational Protection of water Infrastructure against cyber-physical Threats](#) - It organizes communities of practice **for water systems protection to identify current and future risk landscapes** and to co-develop an all-hazards risk management framework for the physical and cyber protection of water CIs. [Página web STOP-IT](#)

Funded projects- Call 2017

- ❑ [FINSEC Integrated Framework for Predictive and Collaborative Security of Financial Infrastructures](#) - *FINSEC proposes the introduction of a **novel standards-based reference architecture (RA)** for integrated (cyber & physical) security. [Página web FINSEC](#)*

- ❑ [SAFECARE - SAFEguard of Critical health infrastructure-](#) *It will promote new technologies and novel approaches to enhance threat prevention, threat detection, incident response and mitigation of impacts and **increase compliance between security tools and European regulations about ethics and privacy for health services.** [Página web SAFECARE](#)*

- ❑ [RESISTO - RESilience enhancement and risk control platform for communication infraSTructure Operators](#) - *RESISTO platform is an innovative solution for Communication CIs holistic situation awareness and enhanced resilience. It implements an **innovative Decision Support System to protect communication infrastructures from combined cyber-physical threats exploiting the Software Defined Security model.** [Página web RESISTO](#)*

Funded projects – Calls 2018 y 2019

	ACRÓNIMO	TÍTULO	SECTOR
2018	<u>InfraStress</u>	Improving resilience of sensitive industrial plants & infrastructures exposed to cyber-physical threats, by means of an open testbed stress-testing system	Sensitive industrial plants
2018	<u>SecureGas</u>	Securing The European Gas Network	Gas
2018	<u>SATIE</u>	Security of Air Transport Infrastructure of Europe	Transporte aéreo
2019	<u>ENSURESEC</u>	End-to-end Security of the Digital Single Market's E-commerce and Delivery Service Ecosystem	Comercio electrónico
2019	<u>7SHIELD</u>	Safety and Security Standards of Space Systems, ground Segments and Satellite data assets, via prevention, detection, response and mitigation of physical and cyber threats	Espacio
2019	<u>SAFETY4RAILS</u>	Data-based analysis for SAFETY and security protection FOR detection, prevention, mitigation and response in trans-modal metro and RAILway networkS	Transporte ferroviario

DRS → FUNDED PROJECT LISTS

		ACRÓNIMO	TÍTULO
SU-DRS01-2018-2019	2018	BuildERS	Building European Communities' Resilience and Social Capital
	2018	RESILOC	Resilient Europe and Societies by Innovating Local Communities
	2019	LINKS	Strengthening links between technologies and society for european disaster resilience
	2019	ENGAGE	Engage Society for Risk Awareness and Resilience
SU-DRS02-2018-2019	2018	ASSISTANCE	ADAPTED SITUATION AWARENESS TOOLS AND TAILORED TRAINING SCENARIOS FOR INCREASING CAPABILITIES AND ENHANCING THE PROTECTION OF FIRST RESPONDERS
	2018	INGENIOUS	The First Responder (FR) of the Future: a Next Generation Integrated Toolkit (NGIT) for Collaborative Response, increasing protection and augmenting operational capacity
	2018	CURSOR	Coordinated Use of miniaturized Robotic equipment and advanced Sensors for search and rescue Operations
	2018	RESPOND-RONE	NOVEL INTEGRATED SOLUTION OF OPERATING A FLEET OF DRONES WITH MULTIPLE SYNCHRONIZED MISSIONS FOR DISASTER RESPONSES
	2018	FASTER	First responder Advanced technologies for Safe and efficient Emergency Response
	2019	RESPOND-A	Next-generation equipment tools and mission-critical strategies for First Responders
	2019	SIXTH SENSE	Smart integrated extreme environment health monitor with sensory feedback for enhanced situation awareness
	2019	PathoCERT	Pathogen Contamination Emergency Response Technologies
SU-DRS03-2018-2019	2018	aqua3S	Enhancing Standardisation strategies to integrate innovative technologies for Safety and Security in existing water networks
	2019	STRATEGY	Facilitating EU pre-Standardization process Through streamlining and validating interoperability in systems and procedures involved in the crisis management cycle
SU-DRS04-2019	2019	SERSing	Advanced Surface Enhanced Raman Spectroscopy (SERS) based technologies for gas and liquids sensing in the area of chemical protection
	2019	EU-RADION	European System for Improved Radiological Hazard Detection and Identification

DRS-01 → TOPIC UPDATES

TASA de ÉXITO 2019 = 8%

Propuestas recibidas en 2019 = 26



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



MINISTERIO
DE DEFENSA



@CDTIoficial



SU-DRS01-2020: Human Factors



Q&A Session
Philippe de Quevauviller (EC)

7.5: To what extent should applicants under topic SU-DRS01-2018-2019-2020: “*Human factors, and social, societal, and organisational aspects for disaster-resilient societies*” focus on technologies?

Topic DRS01 focusses on “*human factors, social, societal and organisational aspects*”. The reference to technologies is about the way citizens will understand, accept and implement them, which is a matter of raising awareness and not of a technology development as such.

The research targets mainly cultural changes, citizen risk awareness and involvement. The topic clearly states that “*Civil society organisations, first responders, (national, regional, local, and city) authorities are invited to propose strategies, processes and methods [...] that should be tested with citizens and communities [...] in checking and validating proposed tools, technologies and processes for disaster management*”. The reference to technologies only relates to their validation (involving citizens) but this is not the main emphasis of the topic. For technology-oriented projects, the DRS02 call is more appropriate.



División de
Programas de la UE

@EsHorizonte2020

DRS-02→ TOPIC UPDATES



TASA de ÉXITO 2019 = 8%
Propuestas recibidas en 2019 = 63



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial



Propuestas recibidas en 2019 por subtopic

Topic #	OP	1	2	3	4
DRS02	59		4		



SU-DRS02-2020: Technologies for first responders



Q&A Session
Philippe de Quevauviller (EC)

We would like to inform applicants that the Co-funding opportunities from the Japan Science and Technology Agency are no longer applicable for the 2019 Call for proposals for the topic "SU-DRS02-2018-2019-2020".



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

DRS-03→ TOPIC UPDATES

Propuestas recibidas en 2019 = 2

TASA de ÉXITO 2019 = 50%



TOPIC	ANSWERS
SU-DRS03	<ul style="list-style-type: none">• The major crisis targets by the DRS03 topic in 2020 can be related to any kind of disaster either natural (including resulting from climate-related extremes) or man-made, and immediately after the event, for example in case of a mass evacuation from an urban area.• Proposals should target in particular events where there are strong cross-sector, cross-border, cross-hierarchy coordination activities ongoing, and therefore the issue of interoperability.• First aid vehicles comprise all vehicles used by first responder, which includes fire-fighter vehicles.



[SU-DRS03-2020: Pre-normative research and demonstration for disaster-resilient societies](#)



Q&A Session
Philippe de Quevauviller (EC)

@CDTIoficial

DRS-04 → TOPIC UPDATES

Propuestas recibidas en 2019 = 12
TASA de ÉXITO 2019=17%



TOPIC	ANSWERS
SU-DRS04	<ul style="list-style-type: none">• In order to be eligible, all proposals under DRS04-2019-2020 have to include a collaboration agreement with participant(s) of the EU project 740450 ENCIRCLE, endorsed by at least one ENCIRCLE participant.• In addition, all applicants in the proposal must be independent from each beneficiary in the ENCIRCLE consortium. This agreement is independent of the end date of the ENCIRCLE project. Further information on the partners of the ENCIRCLE and contact details can be found on the project website.• The ENCIRCLE documents as well as the contact details and further specifications can be found on the ENCIRCLE website: http://encircle-cbrn.eu/catalogue/

CBRN Cluster related funded projects

		ACRÓNIMO	TÍTULO
SU-DRS04-2019-2020	2019	SERSing	Advanced Surface Enhanced Raman Spectroscopy (SERS) based technologies for gas and liquids sensing in the area of chemical protection
	2019	EU-RADION	European System for Improved Radiological Hazard Detection and Identification
SEC-05-DRS-2016-2017	2016	ENCIRCLE	European Cbrn Innovation for the maRket CLuster
	2017	COSMIC	CBRNE Detection in Containers
	2017	EU-SENSE	European Sensor System for CBRN Applications
	2017	TERRIFFIC	Tools for early and Effective Reconnaissance in cbRne Incidents providing First responders Faster Information and enabling better management of the Control zone

BES → FUNDED PROJECT LISTS

		ACRÓNIMO	TÍTULO
SU-BES01-2018-2019	2018	MIRROR	Migration-Related Risks caused by misconceptions of Opportunities and Requirement
	2018	PERCEPTIONS	Understand the Impact of Novel Technologies, Social Media, and Perceptions in Countries Abroad on Migration Flows and the Security of the EU & Provide Validated Counter Approaches, Tools and Practices
	2019	ITFLOWS	IT tools and methods for managing migration FLOWS
	2019	METICOS	A Platform for Monitoring and Prediction of Social Impact and Acceptability of Modern Border Control Technology
SU-BES02-2018-2019	2018	ARESIBO	Augmented Reality Enriched Situation awareness for Border security
	2018	D4FLY	Detecting Document frauD and iDentity on the fly
	2018	BorderSens	Border detection of illicit drugs and precursors by highly accurate electrosensors
	2019	BorderUAS	Semi-autonomous border surveillance platform combining next generation unmanned aerial vehicles with ultra-high-resolution multi-sensor surveillance payload
SU-BES03-2018-2019	2018	COMPASS2020	Coordination Of Maritime assets for Persistent And Systematic Surveillance
	2018	ANDROMEDA	An EnhaNceD Common InfoRmatiOn Sharing EnvironMent for BordEr Command, Control and CoordinAtion Systems
	2019	EFFECTOR	An End to end Interoperability Framework For MaritimE Situational Awareness at StrategiC and TacTical OpeRations

BES-01 → TOPIC UPDATES

TASA de ÉXITO 2019= 13%

Propuestas recibidas por topic 2019:

Topic #	OP	1	2	3	4
BES01	5		13		



División de
Programas de la UE

@EsHorizonte2020

BES-02→ TOPIC UPDATES

TASA de ÉXITO 2019 = 25%

Propuestas recibidas por topic 2019:

Topic #	OP	1	2	3	4
BES02	6			3	7



División de
Programas de la UE

@EsHorizonte2020



TOPIC	ANSWERS
SU-BES02	<ul style="list-style-type: none">• We do not provide additional information beyond what is written in the work programme for the topic BES02. The aim of the open sub-topics is to give applicants the possibility to propose innovative concepts.• As the topic SU-BES02-2018-2019-2020 may relate to the flow of people and to the flow of goods, customs authorities may be considered to fulfil the eligibility criterion for this topic, under the following conditions:<ul style="list-style-type: none">- The entity can be identified as a "customs authority" in accordance with the definition in Article 5 of the Regulation (EU) No 952/2013, laying down the European Union Customs Code,- The entity has a mandate as a body contributing to the mission of the customs authorities, consistent with Article 3 of the Regulation (EU) No 952/2013 and- The entity can demonstrate that its responsibilities and competences are aligned with the scope and also the expected impact of the topic.• In all cases, these entities should outline in the proposal how they comply with the additional admissibility and eligibility conditions, i.e. under sections 4.1. Participants (applicants) and 4.3 Participants fulfilling the additional Eligibility and Admissibility Conditions.

BES-03→ TOPIC UPDATES

TASA de ÉXITO 2019 = 100%

CDTI, E.P.E.

Topic #	OP	1	2	3	4
BES03	1		1		



División de
Programas de la UE

@EsHorizonte2020



TOPIC	ANSWERS
SU-BES03	<ul style="list-style-type: none">• The eligibility criteria of BES03 state that "Consortia must be coordinated by a practitioner organization under civilian authority and command". In order to be eligible as a coordinator, the Italian Navy, would have to duly of the proposal how their legal basis is in compliance with this requirement.• Given the scope of the pre-defined sub-topic, the participation of coast guards would be considered as valid with regards to the fulfilment of the additional eligibility and admissibility conditions. For sub-topic "open", they can also be accepted on condition that their participation fits in the context of the proposal.

GM-01 → TOPIC UPDATES

TASA de ÉXITO 2019 = 33%

Acronym	Name	CORDIS
eNOTICE	European Network Of CBRN Training CEnters	Link
FIRE-IN	Fire and Rescue Innovation Network	Link
DARENET	DAnube river region Resillience Exchange network	Link
ILEANET	Innovation by Law Enforcement Agencies networking	Link
I-LEAD	Innovation - Law Enforcement Agencies Dialogue	Link
ARCSAR	Arctic and North Atlantic Security and Emergency Preparedness Network	Link
EXERTER	Security of Explosives pan-European Specialists Network	Link
MEDEA	Mediterranean practitioners' network capacity building for effective response to emerging security challenges	Link
NO-FEAR	Network Of practitioners For Emergency medicAl systems and cRitical care	Link
PEN-CP	Pan-European Network of Customs Practitioners	Link
INCLUDING	Innovative Cluster for Radiological and Nuclear Emergencies	Link
iProcureNet	European Procurer Networking for security research services	Link
EU-HYBNET	Empowering a Pan-European Network to Counter Hybrid Threats	Link



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

GM-02 → TOPIC UPDATES



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

SU-GM02-2018-2019

Strategic pre-commercial procurements of innovative, advanced systems to support security

ACRONYM	TITLE	YEAR
iProcureSecurity	Strategic Partnership of Emergency Medical Service Practitioners for Coordination of Innovation Procurement	2018
PREVENT	PRocurEments of innoVative, advaNced systems to support security in public Transport	2018



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

SU-GM02-2018-2020 (PCP)

Strategic pre-commercial procurements of innovative, advanced systems to support security

- Eligibility conditions: *“Sub-topic 2 is only open to entities having successfully participated in actions under Sub-topic 1”* should be interpreted as:
 - *Only entities having successfully participated in actions under Sub-topic 1 have the key to submit proposals for this topic.*
 - *A “core team” of public buyers and practitioner organisation having participated in Sub-topic 1 projects must be present in the application for Sub-topic 2.*
 - *Final configuration of the consortium, with particular emphasis on the practitioner organisations and potential buyers, shall be subject to evaluation under the criterion “Implementation”.*

Projects funded under Sub-topic 1 [2018]



Procurement of Innovative, Advanced Systems to support Security in Public Transport
<https://prevent.eng.it>



Strategic Partnership of Emergency Medical Service Practitioners for Coordination of Innovation Procurement
<https://project.iprocuresecurity.eu/>

FCT → TOPIC UPDATES

SU-FCT01-2018-2019

Human factors, and social, societal, and organisational aspects to solve issues in fighting against crime and terrorism

ACRONYM	TITLE	YEAR
CC-DRIVER	Understanding the drivers of cybercriminality, and new methods to prevent, investigate and mitigate cybercriminal behaviour A Research	2019
IcARUS	Innovative AppRoach to Urban Security	2019
PROACTIVE	PReparedness against CBRNE threats through cOmmon Approaches between security praCTitioners and the Vulnerable civil society	2018
RAYUELA	empowering and educating young people for the internet by playing	2019
SHOTPROS	shotpros: a human factors based (vr) training framework for decision-making and acting capabilities under stress and in high-risk situations for european LEAs	2018

TOPIC	ANSWERS
SU-FCT01	<ul style="list-style-type: none">We would invite you to consult the web site of DG HOME devoted to ISF-P programme, where you will find the extensive list of all awarded projects under Union actions part of ISF-P: https://ec.europa.eu/home-affairs/financing/fundings/security-and-safeguarding-liberties/internalsecurity-fund-police_en . For the national programmes, we would invite you to consult your national authorities.

Technologies to enhance the fight against crime and terrorism

ACRONYM	TITLE	YEAR
CREST	Fighting Crime and TerrorRism with an IoT-enabled Autonomous Platform based on an Ecosystem of Advanced IntelligEnce, Operations, and InveStigation Technologies	2018
DARLENE	Deep AR Law Enforcement Ecosystem	2019
EXFILES	Extract Forensic Information for LEAs from Encrypted SmartPhones	2019
FORMOBILE	From mobile phones to court – A complete FORensic investigation chain targeting MOBILE devices	2018
GRACE	Global Response Against Child Exploitation	2019
INFINITY	IMMERSE. INTERACT. INVESTIGATE	2019
INSPECTr	Intelligence Network and Secure Platform for Evidence Correlation and Transfer (INSPECTr)	2018
LOCARD	Lawful evidence collecting and continuity platform development	2018
RISEN	Real-time on-site forenSic tracE qualification	2019
ROXANNE	Real time network, text, and speaker analytics for combating organized crime	2018

Technologies to enhance the fight against crime and terrorism

TOPIC	ANSWERS
SU-FCT02	<ul style="list-style-type: none"> • We would invite you to consult the web site of DG HOME devoted to ISF-P programme, where you will find the extensive list of all awarded projects under Union actions part of ISF-P: https://ec.europa.eu/home-affairs/financing/fundings/security-and-safeguarding-liberties/internalsecurity-fund-police_en . For the national programmes, we would invite you to consult your national authorities. • We would invite you to read COM(2018) 640 final, as the text of the topic is centred around it. • Nothing precludes the involvement of first responders, if it is within the scope of the proposed activities, and as long as they fulfil the overall requirements indicated in the text of the topic. • The sub-topic "Technologies to enhance the fight against crime and terrorism" is not restricted to the listed examples and the selection of one or several of the listed examples, or not, will not have any impact on the evaluation results. In all cases, applicants should make a convincing case of the relevance of the proposed research and innovation area (e.g. from a practitioner's view) and make sure that the proposed project focuses on the identification and use of new technologies to enhance the fight against crime and terrorism.

ACRONYM	TITLE	YEAR
AIDA	Artificial Intelligence and advanced Data Analytics for Law Enforcement Agencies	2019
PREVISION	Prediction and Visual Intelligence for Security Information	2018

TOPIC	ANSWERS
SU-FCT03	<ul style="list-style-type: none"> We would refer you to the examples given in the topic text of FCT03 for the 2020 call: In 2020, proposals should address exclusively point b), with a focus on private operators. Although public authorities are primarily responsible for security, public-private cooperation is key in protecting public spaces. As an example, the first persons on the scene of a terrorist attack are often not police officers, but private security staff from local shops or transport operators. Moreover, public spaces are often owned and operated by private entities



DS→ TOPIC UPDATES

SU-DS04-2018

Cybersecurity in the Electrical Power and Energy System (EPES): an armour against cyber and privacy attacks and data breaches

ACRONYM	TITLE	YEAR
<u>EnergyShield</u>	Integrated Cybersecurity Solution for the Vulnerability Assessment, Monitoring and Protection of Critical Energy Infrastructures	2018
<u>PHOENIX</u>	Electrical Power System's Shield against complex incidents and extensive cyber and privacy attacks	2018
<u>SDN-microSENSE</u>	SDN - microgrid reSilient Electrical eNErgy SystEm	2018

SU-DS03-2019

Digital Security and privacy for citizens and Small and Medium Enterprises and Micro Enterprises

ACRONYM	TITLE	YEAR
<u>CyberKit4SME</u>	Democratizing a Cyber Security Toolkit for SMEs and MEs	2019
<u>GEIGER</u>	Geiger Cybersecurity Counter	2019
<u>PALANTIR</u>	Practical Autonomous Cyberhealth for resilient SMEs & Microenterprises	2019
<u>PUZZLE</u>	Towards a Sophisticated SIEM Marketplace for Blockchain-based Threat Intelligence and Security-as-a-Service	2019
<u>TRAPEZE</u>	TRAPEZE - TRAnsparency, Privacy and security for European citiZEns	2019



TOPIC	ANSWERS
SU-DS02	<ul style="list-style-type: none">• While some overlap might be possible among different H2020 projects, proposals should strive to take account of and be complementary with relevant projects resulting from previous Horizon 2020 calls Within the scope of the call text, it is up to applicants to choose the proposed approach, including the tools and services to develop and how to test these.• It is not strictly necessary for proposals to cover the five different elements which are enumerated under (i)..., (ii)..., (iii)..., (iv)..., (v)... It is up to applicants to cover under the proposed approach as many as possible of these five elements. The topic description encourages applicants to address as many of these 5 aspects as possible in the proposed research and development work of their proposals under this sub-topic. If only a sub-set of these bullet points is covered, applicants are advised to justify their choice in the context of the proposal.• Proposals should go beyond the purely "technical" challenge and also address human aspects such as those given as examples. These aspects may be relevant considering either the attack side or the defence side in cybersecurity.• Encryption/decryption schemes may be relevant in an IoT context. Proposals are not strictly required to cover the five different elements which are enumerated under (i)..., (ii)..., (iii)..., (iv)..., (v)...• It is for the applicants to identify the most suited entities, based on the scope of the topic text and the specific profiles needed for the proposed application cases.• “Trust management” in IT systems typically refers to the processing of symbolic representations of social trust (e.g. in form of cryptographic credentials) before allowing certain operations, in particular in the context of authentication, access control or other IT security policies. It thus finally determines also the level of trust a user or other stakeholder has in an IT product and the operation of an IT system. “Recovery” refers to the regain of control of the system after an incident or faulty state.• Actions to collaborate with the four cyber-security pilots financed under topic SU-ICT-03-2018 are explicitly requested in the topic description of SU-DS02-2020. For instance, this could be demonstrated by including corresponding activities in their implementation plan. For topics other than SU-DS02-2020 this is not mandatory, but applicants are nevertheless supposed to be aware of the activities in these four pilots (as well as in other relevant H2020 projects) and interactions are encouraged with these important initiatives.



TOPIC	ANSWERS
SU-DS04	<ul style="list-style-type: none">BRIDGE is a European Commission initiative which unites H2020 Smart Grid and Energy Storage Projects to create a structured view of cross-cutting issues which are encountered in the demonstration projects and may constitute an obstacle to innovation. Inter alia BRIDGE has produced a report on Cybersecurity and Resilience. The website (http://www.h2020-bridge.eu/) referred to in the call text provides a contact form.The call text does not explicitly request proposals to demonstrate synergies with projects funded in the 2018 call, but going beyond the state of art implies being aware of these projects and ensuring value-added beyond themApplicants can find information on the already funded projects under SU-DS04-2018-2020 on the CORDIS web page of the European Commission. Applicants should be aware of the scope of these running projects to better shape the added value of their own proposal. Furthermore, applicants should also propose some interactions with these running projects, for example on the level of research, dissemination or communication.



AI→ TOPIC UPDATES



TOPIC	ANSWERS
SU-AI	<ul style="list-style-type: none">• We would refer you to the policy documents referred to in the Work Programme under the AI call, notably in the footnotes of the AI call introduction.• It is for the applicants to assess which datasets can be used in compliance with existing EU and national legislation.

Preparando la propuesta...

Generalidades...

- ❑ **Proyectos colaborativos = Consorcio mínimo de 3 entidades independientes de 3 EEMM o Países Asociados** (excepto en las CSA)
- ❑ **Tipo de financiación → Subvenciones** de entre el 70% (IAs) y el 100% (RIAs) de los costes elegibles
- ❑ **Idioma de trabajo → INGLÉS**
- ❑ Evaluación realizada por **Expertos Independientes**
- ❑ Importancia de la **innovación** y de las **actividades cercanas a mercado**
- ❑ **CRITERIOS DE ELEGIBILIDAD** adicionales, p.e.,
 - ✓ **Número MÍNIMO de usuarios finales en cada propuesta**
 - ✓ **Duración máxima del proyecto**
 - ✓ **Tipo de partner coordinador (SME, Civil Border Guards,...)**

Filosofía en la Call-2020... continuísta con la anterior!

En General...

- ✓ Presupuesto por cada topic & 1 “ranking list” por topic
- ✓ **Atención:** Se intentará que **al menos** salga una propuesta por sub-topic, siempre que supere los umbrales de calidad!

Cómo se aplica? Objetivos?

- ✓ Reducción de los “topics huérfanos”
- ✓ Menor duplicidad en proyectos
- ✓ Mejorar el apoyo a la implementación de políticas
- ✓ Evitar la competencia entre distintos tipos de proyecto (CSA vs RIA/IA)
- ✓ Reducción del sesgo en determinadas áreas científicas

Dónde se aplica?

- ✓ En casi todos los topics, aunque hay algunas pequeñas excepciones en las que varios sub-topics comparten presupuesto.

Proceso de preparación de una propuesta



División de
Programas de la UE

@EsHorizonte2020



GOBIERNO
DE ESPAÑA



MINISTERIO
DE DEFENSA

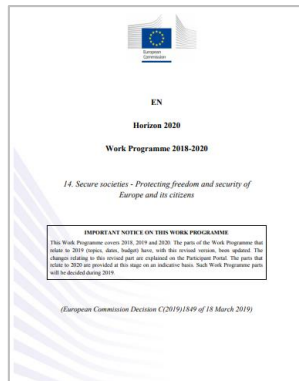


MINISTERIO
DE CIENCIA
E INNOVACIÓN

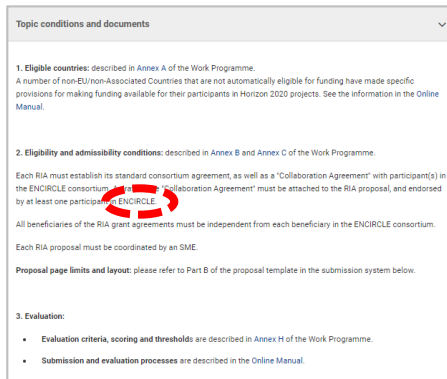


@CDTIoficial

Workprogramme



Guidance Documents



Documentos a tener en cuenta

Proposal Template



Proposal Evaluation Forms



Imágenes con links a los documentos & webs!

TI, E.P.E



División de
Programas de la UE

@EsHorizonte2020



@CDTIoficial

Y recordemos las partes de una propuesta...



Part-A

Administrative information

On-line formulaire



División de
Programas de la UE

@EsHorizonte2020



Part-B

Technical description

ATTENTION: *Download the pdf,
make a Word file and follow the
main sections!*

PART B

1. Excellence

- 1.1 Objectives
- 1.2 Relation to the work programme
- 1.3 Concept and methodology
- 1.4 Ambition

2. Impact

- 2.1 Expected impacts
- 2.2 Measures to maximise impact
 - a) Dissemination and exploitation of results
 - b) Communication activities

3. Implementation

- 3.1 Work plan, Work packages, deliverables
- 3.2 Management structure, milestones and procedures
- 3.3 Consortium as a whole
- 3.4 Resources to be committed

4. Members of the consortium

- 4.1. Participants (applicants)
- 4.2. Third parties involved in the project (including use of third party resources)

5. Ethics and Security

PART B - 1. Excellence

1.1 Objectives –

clear, measurable, realistic and achievable within project duration

1.2 Relation to the work programme

explain how your proposal addresses the specific challenge and scope of the work programme topic

1.3 Concept and methodology

(a) Concept

- Describe and explain the overall concept + main ideas, models or assumptions involved.
- Technology Readiness Levels
- Links with other projects/activities
- Identify any inter-disciplinary considerations and, where relevant, use of stakeholder knowledge;

(a) Methodology

- Describe and explain the overall methodology

1.4 Ambition

- **advance beyond the state-of-the-art**
- extent the proposed work is **ambitious**
- Describe the **innovation potential**



División de
Programas de la UE

@EsHorizonte2020



@CDTIoficial

Muchas gracias!

Contactos

- ❑ Maite Boyero, CDTI (maite.boyero@cdti.es)
- ❑ Marina Martínez, CDTI-SOST (marina.cdti@sost.be)
- ❑ Ainara Ripa, INTA (ripaca@inta.es)

CDTI, E.P.E.



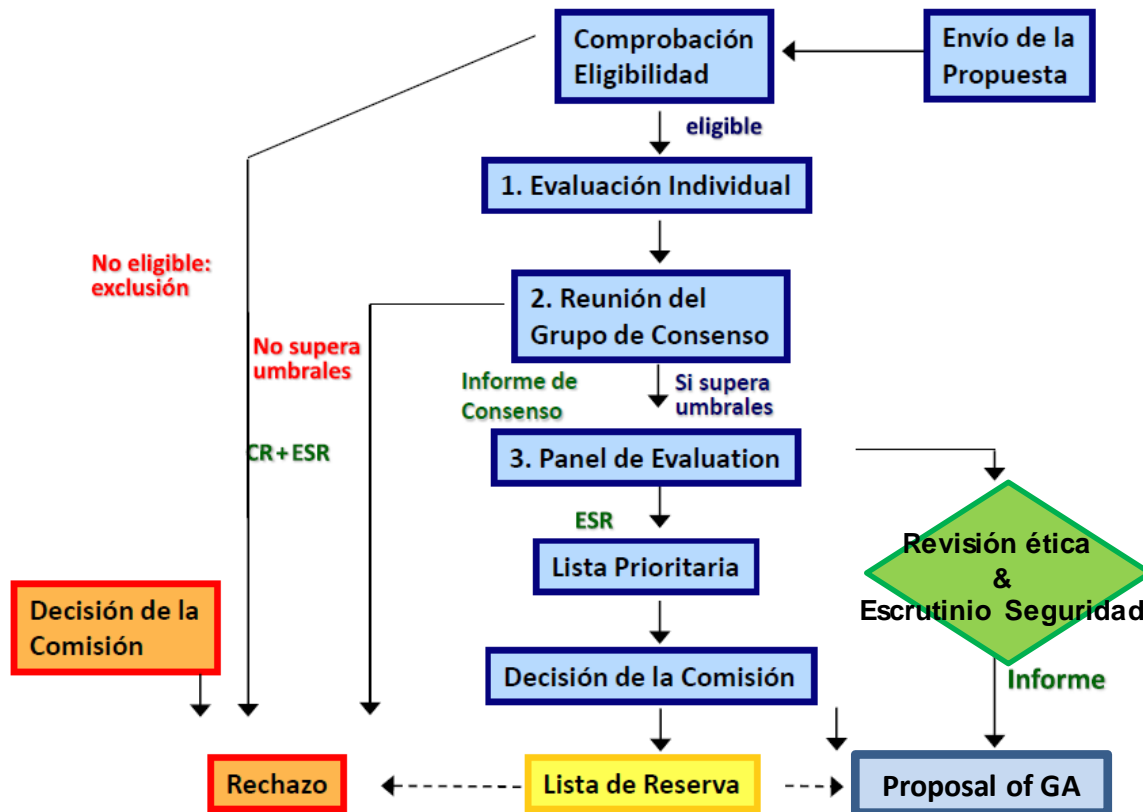
División de
Programas de la UE

@EsHorizonte2020



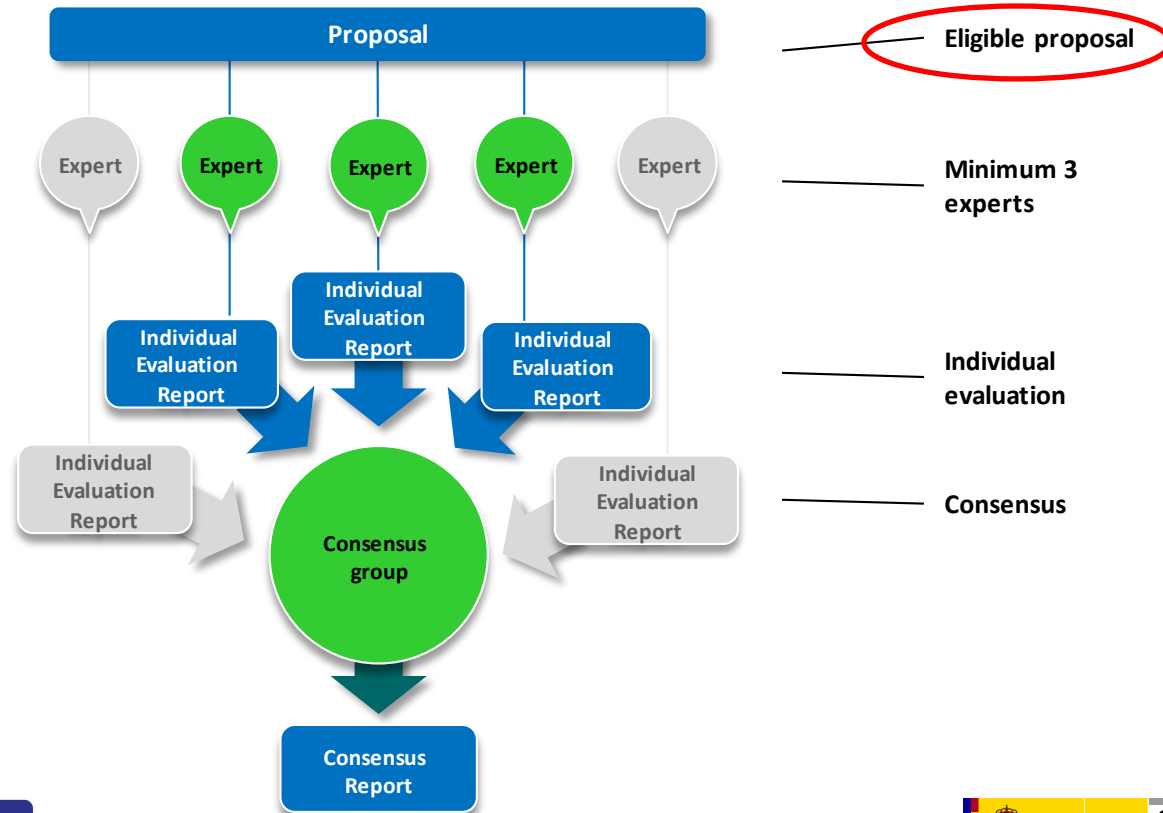
@CDTIoficial

Sobre el proceso de evaluación ...




1. **Selección de evaluadores-expertos → Ya están llamando para call-2020!!!!**
2. Chequeo no conflictos intereses
3. Sesión on-line formativa
4. Propuestas → 3-5 evaluadores (evaluación individual y remota, **Sep-2020**)
5. **Reunión de Consensus on-line, inicios Oct-2020** (3-5 expertos + 1 funcionario UE + 1 rapporteur) → Consensus Report
6. Reunión de calibración
7. Revisión, rechazo (comisión + algún experto)
8. Propuesta de “Ranking list”





ATENCIÓN con los criterios de elegibilidad: Definición de LEA & Practitioner

What is the definition of a Law Enforcement Agency (LEA) in the Secure Societies calls H2020-SEC-2016-2017?

 **Published on:** 13-07-2016 5:10 PM

FAQ ID: 3158

There is no definition of Law Enforcement Agency (LEA) officially adopted by the European Commission. Nevertheless, one could consider that a LEA is a public agency responsible for the enforcement of the law. A LEA can act at different levels (national, regional, municipal, etc.) depending on the organisation of each Member State.

Please note that for many topics within the Secure Societies calls, LEAs (or parts of their organisations) would fit as "practitioners", but this must be supported by the topic description and an absolute answer cannot be given here. Please note also that the competences of a given LEA might vary from one country to another.

For the Secure Societies calls H2020-SEC-2016-2017, what is the definition of a "practitioner"?

 **Published on:** 13-07-2016 5:12 PM

FAQ ID: 3156

The definition of a practitioner is given in the Secure Societies Work Programme 2016-2017: "A practitioner is someone who is qualified or registered to practice a particular occupation, profession in the field of security or civil protection". The Research Executive Agency will check if the entity involved is a valid practitioner based on the self-description of the applicant.



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

ATENCIÓN con la definición de “Human Factor” ...

Under call H2020-SEC-2016-2017, what is the definition of 'human factor' in topic SEC-07-FCT-2016-2017?

 **Published on:** 13-07-2016 5:07 PM

FAQ ID: 3161

There is no specific EU definition for “human factor(s)”. In this topic, it refers to how humans behave psychologically, i.e. how they react, perceive security/insecurity and how these factors would influence prevention, anticipation and security planning. Social factors – which should also be studied in this case – are the aspects that directly influence or affect lifestyles. Some important social factors include: religion, ethnicity, family, physical status, economic status, education, location, life partners, children and political systems.

'Human factor' is not used with any specific technical meaning in the topic's text but rather to encompass all that is not a technologically related tool for Law Enforcement Agencies (LEAs). Therefore, all societal, economic and psychological aspects are included.



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



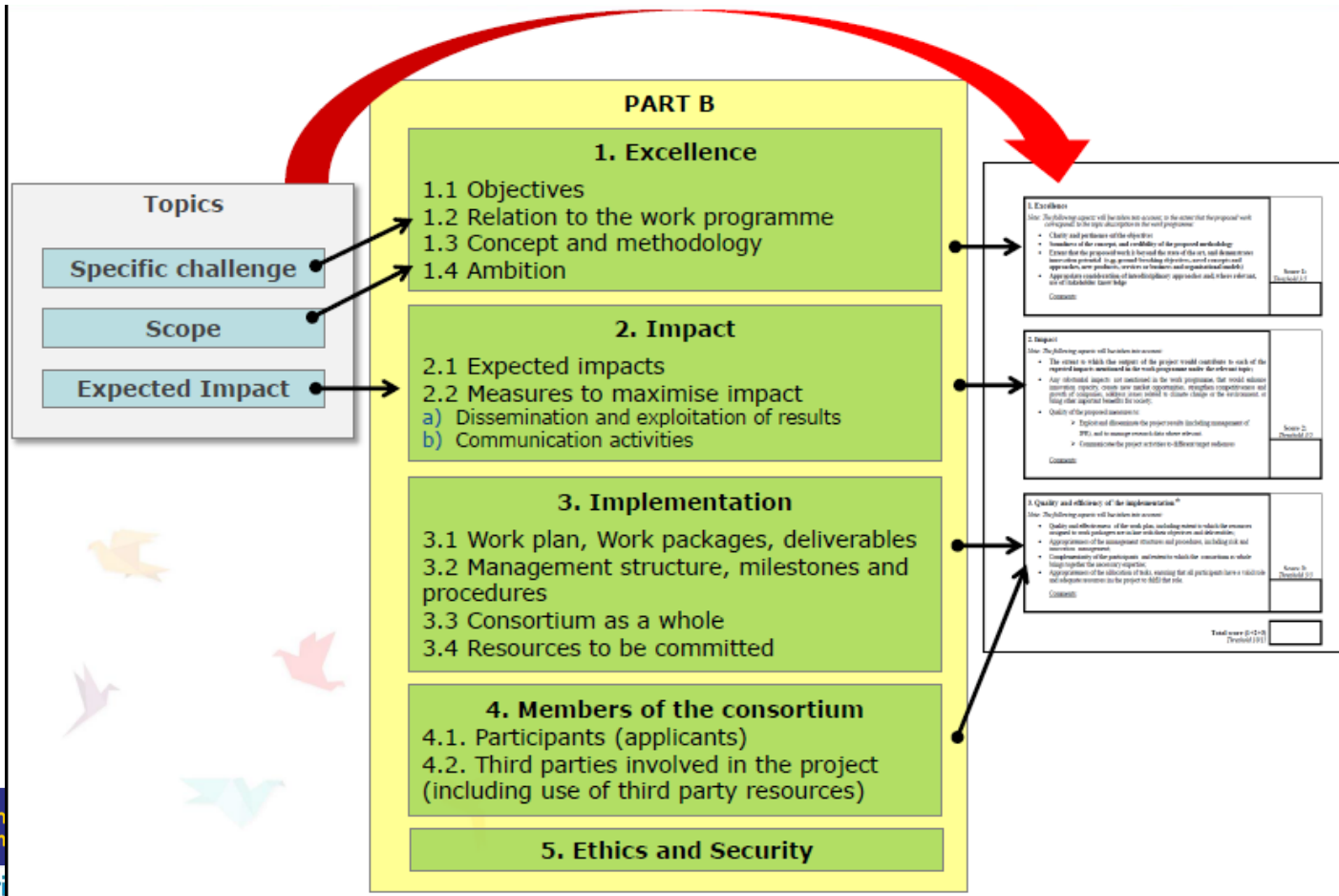
@CDTIoficial

Principios de la evaluación...

- ✓ No es una mayoría, es un **consenso ON-LINE (este año)**
- ✓ Los evaluadores **son heterogéneos**
- ✓ Hay poco tiempo para discusiones
- ✓ Hay **end-users** entre los evaluadores
- ✓ Hay que rellenar todos los apartados
- ✓ Primero comentar y luego puntuación
- ✓ Evaluadores son, casi siempre, investigadores
- ✓ Evaluadores juzgan lo que leen no lo que insinúas

**Criterios de evaluación
vs
Secciones de la propuesta...**

Proposal template vs Criterios de Evaluación



Section-1: Excellence

PART B - 1. Excellence

1.1 Objectives

clear, measurable, realistic and achievable within project duration

1.2 Relation to the work programme

explain how your proposal addresses the **specific challenge and scope of the work programme topic**

*Crt 1.1 - Clarity and pertinence of the **objectives***

- *Are the objectives clear, measurable, realistic and achievable within project duration?*
- *How does the proposal address the specific challenge and scope of the work programme topic?*



Section-1: Excellence

PART B - 1. Excellence

1.1 Objectives –

clear, measurable, realistic and achievable within project duration

1.2 Relation to the work programme

explain how your proposal addresses the specific challenge and scope of the work programme topic

1.3 Concept and methodology

(a) Concept

- Describe and explain the **overall concept** + main ideas, models or assumptions involved.
- **Technology Readiness Levels**
- **Links with other projects/activities**
- Identify any inter-disciplinary considerations and, where relevant, use of stakeholder knowledge;

(a) Methodology

- Describe and explain the **overall methodology**

Crt 1.2 - Soundness of the **concept**,

- *Is the concept of the proposal sound (i.e. based on models or assumptions which are valid and convincing)?*

and credibility of the proposed **methodology**

- *Does the proposal show that the proposed methodology is appropriate and effective for achieving the stated objectives?*



BE CAREFULL with TRL ≥ 5 + plan well the activities needed to reach it

- *Is the initial and targeted Technology Readiness Level (TRL) properly described and realistically achievable with the project proposed?*

ATENCIÓN, NUEVO bullet point adicional en “Methodology”: “Where relevant, describe how the **gender dimension**, i.e. sex and/or gender analysis is taken into account in the project’s content.”



Section-1: Excellence

PART B - 1. Excellence

1.1 Objectives –

clear, measurable, realistic and achievable within project duration

1.2 Relation to the work programme

explain how your proposal addresses the specific challenge and scope of the work programme topic

1.3 Concept and methodology

(a) Concept

- Describe and explain the overall concept + main ideas, models or assumptions involved.
- Technology Readiness Levels
- Links with other projects/activities
- Identify any inter-disciplinary considerations and, where relevant, use of stakeholder knowledge;

(a) Methodology

- Describe and explain the overall methodology

1.4 Ambition

- **advance beyond the state-of-the-art**
- extent the proposed work is **ambitious**
- Describe the **innovation potential**

Crt 1.3 - Extent that proposed work is *beyond the state of the art*

- *Is the state of the art is well researched and presented and to what extent does the proposed work go beyond the state of the art?*

- *Is the proposed work ambitious enough to be innovative, without being so ambitious that it is not feasible?*

and demonstrates *innovation potential*

- **RIA:** Which are there ground-breaking objectives, novel concepts and approaches proposed and to what extent are they innovative?
- **For IA/ high TRL RIA:** Which are there new products, services or business and organisational models proposed and to what extent are they innovative?



Qué hacer con los datos y las publicaciones...

Qué es la gestión de datos en propuestas H2020...

Consist into **explain how the project will manage the research data generated and/or collected during its activities**, in particular addressing the following issues:

- ☐ What types of data will the project generate/collect?
- ☐ What (data) standards will be used?
- ☐ How will this data be exploited and/or shared/made accessible for verification and re-use? If data cannot be made available, explain why.
- ☐ How will this data be curated and preserved?
- ☐ How will the costs for data curation and preservation be covered?

http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/data-management_en.htm



RESEARCH & INNOVATION
Participant Portal H2020 Online Manual

Search

H2020 Online Manual

- My Area - User account & roles
 - EU Login
 - Roles & access rights
 - Terms and Conditions of Use
- Grants
 - Applying for funding
 - Find a call
 - Horizon 2020 structure and budget
 - What you need to know about Horizon 2020 calls
 - Find partners or apply as individual
 - Register in the Beneficiary Register
 - Registration of your organisation
 - LEAR appointment
 - Validation of potential beneficiaries

> H2020 Online Manual > Cross-cutting issues > Open access & Data management >

Open access Data management

Data management

Background - Extension of the Open Research Data Pilot in Horizon 2020

Please note the distinction between open access to scientific peer-reviewed **publications** and open access to research **data**:

- publications** – open access is an *obligation* in Horizon 2020.
- data** – the Commission is running a *flexible pilot* which has been *extended* and is described below.

See also the Guidelines: [Open access to publications and research data in Horizon 2020](#).

This document helps Horizon 2020 beneficiaries make their research data **findable, accessible, interoperable and reusable (FAIR)** to ensure it is soundly managed. Good research data management is not a goal in itself, but rather the key conduit leading to knowledge discovery and innovation, and to subsequent data and knowledge integration and reuse.

Note that these guidelines do not apply to their full extent to actions funded by the ERC. For information and guidance concerning Open Access and the Open Research Data Pilot at the ERC, please see [this specific guidance](#).



División de
Programas de la UE

@EsHorizonte2020

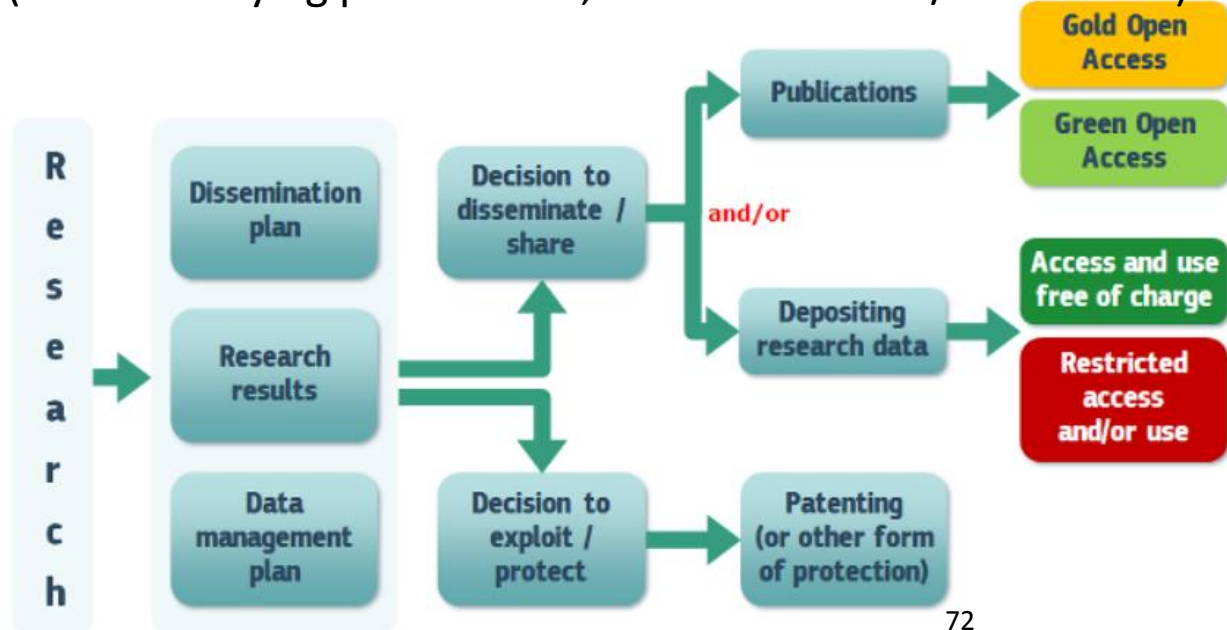
CDTI, E.P.E.



Refers to the **practice of providing online access to scientific information that is free of charge to the end-user and reusable**. → In the context of research and innovation, 'scientific information' can mean:

- ❑ peer-reviewed scientific research articles (published in scholarly journals), or
- ❑ research data (data underlying publications, curated data and/or raw data).

Voluntary for Security!



Voluntary for Security!

Open access to research data is one part of research data management. → BUT the extended [Open Research Data Pilot \(ORDP\)](#) is NOT part of the evaluation. → **Proposals will not be penalized if they don't follow the ORDP.**

The image shows two overlapping web pages. The background page is the 'Participant Portal H2020 Online Manual' from the European Commission. It features a search bar, a sidebar with navigation links like 'My Area - User account & roles', 'Grants', and 'Applying for funding', and a main content area titled 'Open access'. The foreground page is a 'Fact Sheet' from the 'European IPR Helpdesk' titled 'Publishing v. patenting', dated October 2015. It contains a table of contents with sections like 'Introduction', 'Publishing v. patenting', 'Alternative dissemination routes', and 'Useful Resources'. A large red arrow points from the 'Open access' section of the manual to the 'Publishing v. patenting' fact sheet.

Participant Portal H2020 Online Manual

Open access

These guidelines explain the rules on open access to scientific peer reviewed publications. Beneficiaries have to follow in projects funded or co-funded under Horizon 2020, to their full extent to actions funded by the European Research Council (ERC). For information and guidance on implementation of Open Access and the Open Research Data Pilot at the ERC, please see the [Guidelines on the Implementation of Open Access to Scientific Publications and Research Data in Projects supported by the European Research Council under Horizon 2020](#) or contact erc-open-access@ec.europa.eu.

What Is Open Access?

Open access (OA) refers to the practice of providing online access to **scientific information** that is free of charge to the end-user and reusable. 'Scientific' refers to all academic disciplines. In the context of research and innovation, 'scientific information' can mean:

1. peer-reviewed scientific research articles (published in scholarly journals), or
2. research data (data underlying publications, curated data and/or raw data).

European IPR Helpdesk

Fact Sheet

Publishing v. patenting

October 2015¹

Introduction	1
1. Publishing v. patenting	2
1.1. Traditional distinction	2
1.2. New approach	2
1.3. Publishing	2
1.4. Patenting	4
2. Alternative dissemination routes	5
2.1. Defensive publication	5
2.2. Open access model	5
2.3. Secrecy	9
Useful Resources	10



@EsHoriz



@CDTIoficial

**Voluntary for
Security!**

Extended Open Research Data Pilot in Horizon 2020

?

If selected, applicants will by default participate in the [Pilot on Open Research Data in Horizon 2020¹](#), which aims to improve and maximise access to and re-use of research data generated by actions.

However, participation in the Pilot is flexible in the sense that it does not mean that all research data needs to be open. After the action has started, participants will formulate a [Data Management Plan \(DMP\)](#), which should address the relevant aspects of making data FAIR findable, accessible, interoperable and re-usable, including what data the project will generate, whether and how it will be made accessible for verification and re-use, and how it will be curated and preserved. Through this DMP projects can define certain datasets to remain closed according to the principle "as open as possible, as closed as necessary". A Data Management Plan does not have to be submitted at the proposal stage.

Furthermore, applicants also have the possibility to opt out of this Pilot completely at any stage (before or after the grant signature). In this case, applicants must indicate a reason for this choice (see options below).

Please note that participation in this Pilot does not constitute part of the evaluation process. Proposals will not be penalised for opting out.

We wish to opt out of the Pilot on Open Research Data in Horizon 2020.

☐ Yes

☒ No

Applicants in calls of the Work Programme "Secure societies Protecting freedom and security of Europe and its citizens" are reminded that their proposals are subject to a Security Scrutiny and that they may find more appropriate to opt out of the Extended Pilot on Open Research Data in Horizon 2020.



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

Aspectos de estandarización...

Sobre aspectos de estandarización en nuestra propuesta...

- ✓ No hay una única manera para todas las tipologías de proyectos, pero sí que **es altamente recomendable si el proyecto desarrolla/integra tecnología...** → Nos permite **diferenciarnos de propuestas competidoras**.
- ✓ Es **obligatorio si el topic hace referencia específica** a aspectos de estandarización.

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

Sub-topic 2: [2019] Pre-standardisation in crisis management (including natural hazard and CBRN-E emergencies)

Generally speaking, the development of standards for civil protection in the areas of crisis management (including for systems, tools and services related to natural hazard and CBRN-E emergencies) will increase interoperability of equipment and procedures. **Innovation actions should bring validated and positively-assessed practices into standards within or outside current standardisation processes. The involvement of well-established standardisation organisations is required.** The complementarity of the proposed activities with activities supported by the European Defence Agency (EDA) in the CBRN-E area should be described comprehensively.

[...]

The aim is to pave the way to improved standards, including voluntary Standard Operating Procedures (SOPs) and/or ISO or EN standards.



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

Beneficios de abordar aspectos de estandarización en nuestras propuesta...

❑ For projects and consortia

- ✓ Part of the **state of the art**.
- ✓ Grant **compatibility and interoperability**.
- ✓ Provides a wide and focused **dissemination**.
- ✓ Fosters **market uptake**.
- ✓ Generates users' **confidence**.
- ✓ Collaboration: **networking**, open innovation...

❑ For the European Union

- ✓ Increases market and society **impacts**:
 - ✓ Transfer of knowledge
 - ✓ Result beyond consortium
- ✓ Uses a powerful **system** already in place.

Referencias genéricas a estandarización y significado en el topic...

CASO-1: La palabra ‘standard’ aparece pero se usa como sinónimo de “práctica habitual”:

- “...raise the general standard of performance...”
- “...the standard eligibility conditions...”
- “...the standard industrial practice...”
- “...a high quality standard of...”

CASO-2: Cuando sí deberíamos abordar aspectos de estandarización:

- “...contribution to new or on-going standardization activities...”
- “...aspects such as standardisation should be considered...”
- “...should include support to standardization...”
- “...include contribution to standard setting...”

CASO-3: Cuando hace referencia indirecta a la conveniencia de abordar aspectos de estandarización en nuestra propuesta:

- Compatibility, interoperability, replicability, market access...

- ❑ **En la propuesta:** Dedicar alguna tarea o WP (dependiendo de la importancia dentro del topic) a demostrar la alineación de los que desarrollamos en nuestro proyecto con estándares existentes. → Normalmente, se aborda en la sección-2:

2.1 Expected impacts

2.2 Measures to maximise impact

- ❑ **Objetivo:** Demostrar que la innovación que proponemos (tecnología, metodología, producto o servicio)
 - ✓ O bien cumple con los estándares existentes
 - ✓ O bien está cubierta por los estándares del sector
 - ✓ O bien nos aseguramos que los estándares existentes no suponen una barrera a la implementación/adopción de nuestros resultados

Ejemplos de posibles tareas relacionadas con estandarización...

TRL	Activity	Minimum recommended standardization activities
TRL 1	Basic or basic-applied research	<ul style="list-style-type: none">• Identification of related standards, published or under development.• Identification of standardization gaps.• Collaboration with existing Technical Committees (liaisons, participation via national committees...).• Technical contributions to new or revised standards.• Proposal and development of new or revised standards.
TRL 2		
TRL 3		
TRL 4	Applied research, demonstration	
TRL 5		
TRL 6		
TRL 7	Innovation, commercialization	
TRL 8		
TRL 9		



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

Ejemplos de posibles contribuciones de nuestro proyecto/resultados a estandarización en nuestro sector...

TRL	Activity	Possible contributions to standards
TRL 1	Basic or basic-applied research	<ul style="list-style-type: none">• Terminology• Characterizations• Test methods• Good practices• Products, services or processes specifications
TRL 2		
TRL 3		
TRL 4	Applied research, demonstration	
TRL 5		
TRL 6		
TRL 7	Innovation, commercialization	
TRL 8		
TRL 9		



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



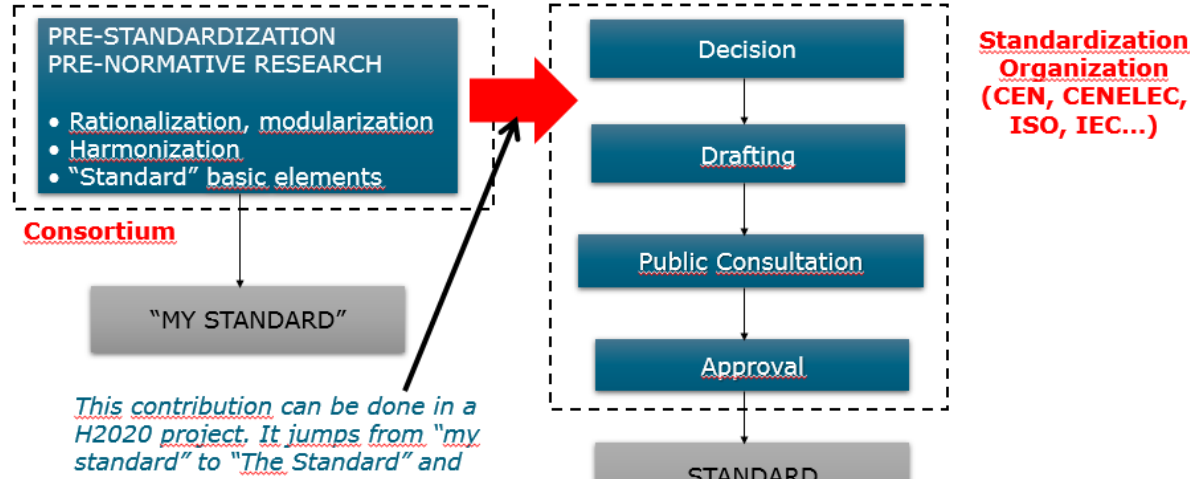
@CDTIoficial

A tener en cuenta...

- ❑ Standardization **is not a fundamental activity** in a project... except in standardization-focused topics! → It is a supporting activity to **increase impact**.
- ❑ It depends on **external factors** (needs a consensus). → It is not possible to be fully specific in the proposal, **flexibility** is a must → Use expressions such as ***“contribution to new standardization”*** better than *“to publish a new standard”*.
- ❑ **Standardization and IPR** should be complementary:
 - ✓ Standardization is important to get market access.
 - ✓ Patents can lose commercial ability if not covered by standards.
- ❑ **Standards cover performance requirements, not design details.**

Cómo se genera un estándar...

Es positivo mostrarse ambiciosos en nuestra propuesta respecto estandarización... pero sin pasarse!

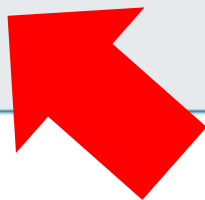


OPTIONS:

- ✓ **Consider existing standards** when preparing and running the project.
- ✓ Use the results of the project **to recommend** the generation of **new standards**.

Dónde se aborda en nuestra propuesta? En “exploitation”...

The Business Model Canvas				
KEY PARTNERS <ul style="list-style-type: none">• Material suppliers• Software suppliers	KEY ACTIVITIES <ul style="list-style-type: none">• Lab testing• Software development	VALUE PROPOSITION <ul style="list-style-type: none">• Process modelling service• Improved trouble prediction	CUSTOMER RELATIONSHIP <ul style="list-style-type: none">• Dissemination and marketing activities	CUSTOMER SEGMENTS <ul style="list-style-type: none">• Manufacturers• <u>RTOs</u>
	KEY RESOURCES <ul style="list-style-type: none">• Material supply• Technical and financial capability• Effective dissemination and marketing <div>✓ Contribution to standardization</div>		CHANNELS <ul style="list-style-type: none">• Website• Industry related conferences and workshops	
COST STRUCTURE <ul style="list-style-type: none">• Equipment investment• Data acquisition• Dissemination expenses			REVENUE STREAMS <ul style="list-style-type: none">• Sales• Cooperation agreements• Software licensing	



CDTI, E.P.E.



División de
Programas de la UE

@EsHorizonte2020



@CDTIoficial

Abordar aspectos de estandarización está bien valorado...

Ejemplos de **comentarios en los ESR**...

- FP7 NMP (2012): "Standardization activities are very well supported mainly through a specific partner"
- FP7 ENV (2012): "A very important part for the higher market uptake represents actions on standardization"
- H2020 WATER (2014): "Trans-disciplinary considerations such as standardization and market uptake are very well addressed"
- H2020 SCC (2014): "Standardization initiatives are very positive"
- H2020 DRS (2014): "The project has an appropriate plan for the exploitation (...). Particularly, the standardisation element is well addressed"
- H2020 SPIRE (2018): "The proposal even takes into account standardization activities, which may facilitate market validation/uptake of the innovations"
- H2020 CE (2018): "An interesting additional approach is engaging the consortium in the work for international standardisation" "EU policy is included addressing standardisation and regulatory framework, which is excellent"



División de
Programas de la UE

@EsHorizonte2020

CDTI, E.P.E.



@CDTIoficial

Ejemplos concretos: SMR project



- ☐ DIN: standardization partner.
- ☐ Information about existing standards at the beginning.
- ☐ 3 CWA (CEN Workshop Agreements) published:
 - ✓ CWA 17300: City Resilience Development. Operational Guidance.
 - ✓ CWA 17301: City Resilience Development. Maturity Model.
 - ✓ CWA 17302: City Resilience Development. Information Portal.
 - ✓ Submitted to ISO/TC 268 'Sustainable Cities and Communities' for consideration as future international standards.

Ejemplos concretos: Stair4Security project



STAIR4SECURITY (2019-2020) will create a collaborative platform as single entry point for information on the security sector research activities in order to allow better governance of standardization needs in the Disaster Resilience and CBRN-E sectors.

- ❑ CEN-CENELEC: Coordinator; NSBs as partners.
- ❑ **Collaborative platform** enabling networking within experts from research, industry including SMEs, practitioners, policy makers and standardizers.
 - ✓ Ensure the awareness of relevant activities from the demand and supplier sides.
 - ✓ Digest the input received, align gaps with policy priorities to provide recommendations on standardization needs and the relevant standardization body to be addressed.
 - ✓ Support the initial steps to launch the standardization activities.



SMOOTH (H2020-DS-SC7-**2017**) assists micro enterprises in adopting and complying with the General Data Protection Regulation (GDPR) by designing and implementing easy-to-use and affordable tools. This will generate awareness on their GDPR obligations and analysing their level of compliance with the new data protection regulation.

- ☐ **UNE:** NSB partner.
- ☐ Information about existing standards at the beginning.
- ☐ Intended contribution to standardization: Probably a CWA will be proposed...

❑ <http://www.cencenelec.eu/research> → Information and links, list and contacts of NSBs

❑ “Research Helpdesk”: research@cencenelec.eu



❑ Sources of info about specific standards:

CEN-CENELEC on [Defence, Security and Privacy](#)

CEN [Technical committees](#)

[CENELEC/TC 79](#) Alarm systems

[ISO TC 292](#) Security and resilience

[ISO/IEC/JTC 1](#) Information technology

ATENCIÓN: PDF adjunto
listado de estándares
específicos para cada
sub-área de Seguridad!

❑ SEREN4 infosheet sobre estandarización: [http://www.seren-project.eu/images/Documents/infosheets/Info Sheet Standardisation General.pdf](http://www.seren-project.eu/images/Documents/infosheets/Info_Sheet_Standardisation_General.pdf)

Last but not least...

Enlaces de interés

Páginas web de interés:

- ✓ [Página web seguridad CDTI](#) : Información sobre jornadas de información nacionales, documentación de interés...
- ✓ [Funding & tenders portal](#) : Punto de entrada para participantes y expertos
- ✓ [CORDIS](#): Resultados de investigaciones de la UE
- ✓ [Research Executive Agency \(REA\)](#) : Organismo europeo de financiación para investigación e innovación



+ info sobre programas y ayudas
para la
internacionalización de la I+D+I española

www.eshorizonte2020.es - www.cdti.es



@EsHorizonte2020 - @CDTIoficial