



HORIZON2020

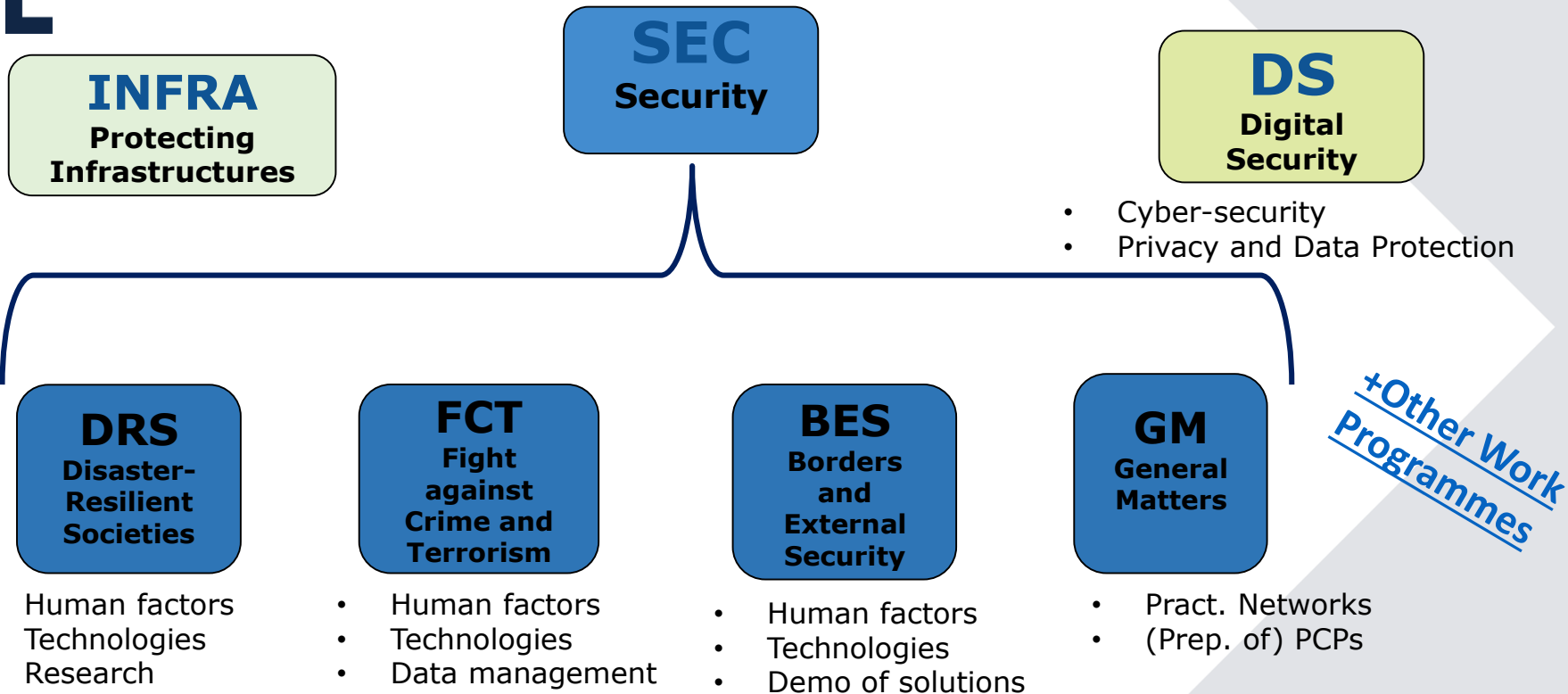
Water Opportunities in Horizon 2020 – Secure Societies

01.11.2018

Talia Passiar

Secure Societies National Contact Point (NCP)

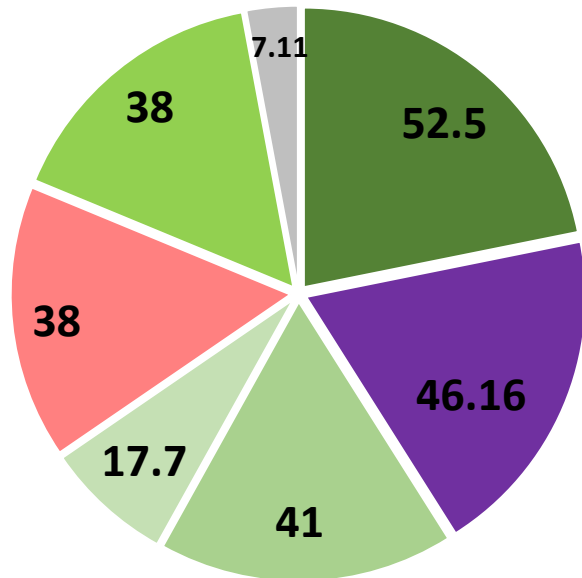
Work Programme 2018-2020 - Structure



Budget

Budget 2019 (M€): 240.47

IFNRA: 38.00 , DS: 38.00 , SEC: 157.36 , OTH: 7.11



- SEC - DRS
- SEC - FCT
- SEC - BES
- SEC - GM
- INFRA
- DS
- OTH

Principles

- Challenge driven (needs of society)
- Fewer topics
- Topics with subtopics
- 'Open' subtopics
- Sequence of topics (2018 with 2020 follow-up)
- Eligibility conditions
(continuation/refinement of 2016-2017 practices)

Critical Infrastructure Protection

Area	Topic	Budget (M€)	Funding Terms
Protecting the infrastructure of Europe and the people in the European smart cities	SU-INFRA01-2018-2019-2020 : Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe	2019: 22.00	IA - 70% €7-8M per project

Conditions –

- TRL 7 (prototype demo in operational environment)
- At least 2 operators of the chosen type of critical infrastructure from 2 MS or AC
- Industry involvement is mandatory
- SME participation encouraged
- International cooperation encouraged (especially with [IFAFRI](#))
- Up to 24 months duration
- Deadline - 22 August, 2019

Technical aspects: SU-INFRA01-2018-2019-2020

In 2018 and 2019 the following IPs shall be addressed:

- Water systems
- Energy infrastructure (power plants and distribution, oil rigs, offshore platforms)
- Transport infrastructure (airports, ports, railways, urban multimodal nodes)
- Communication infrastructure
- Ground segments of space systems
- Health services
- E-Commerce and postal infrastructure
- Sensitive industrial sites and plants
- Financial services

Technical aspects: SU-INFRA01-2018-2019-2020

Each year a list of infrastructures excluded from the Call:

- The Commission has funded in 2017 three projects under the related 2016 call CIP-2016-2017-1 in the following domains: **Energy Infrastructures, Transport infrastructure (Port infrastructure) and Water infrastructure.**
- In addition to those, 3 other projects are currently under grant agreement preparation and likely to be funded under the 2017 related call CIP-2016-2017-2 in the domains of **Financial** infrastructure, **Health** infrastructure and **Communications** infrastructure.
- Applicants shall **duly justify the added value** of their proposal and provide evidence that **minimal overlapping exists**. Any different dimension, not already covered by previously funded projects, would be automatically eligible for possible consideration.

Information available at the [Participant Portal](#)
(to be updated after GAP process finished)

SU-INFRA01 Example



STOP-IT

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THE STOP-IT PROJECT

STOP-IT focuses on the strategic, tactical and operational protection of critical water infrastructures against physical and cyber threats

Water infrastructures are essential for human society, life and health. They can be endangered by physical or cyber threats with severe societal consequences.

To **protect** them, STOP-IT brings together a strong team of 22 partners from all across Europe and Israel to develop solutions to the most pressing threats.

The team identifies risks and co-develops an all-hazards risk management framework for the physical and cyber protection of critical water infrastructures.

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FEATURED INNOVATION

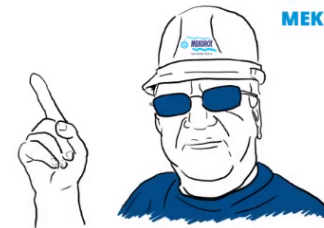
Meklock – the clever smart lock system



As a protection measure against physical threats, STOP-IT partners [Mekorot](#) and [Aplicatzia](#) developed Meklock, a smart lock system that is useful for any company that maintains and operates facilities with multiple buildings, entrances and cabinets with large quantities of expensive equipment, vulnerable to break-ins and sabotage.

Meklock is an innovative access-control mobile app with a sophisticated management system that interacts with electronic locks. With the help of the system it is possible to track entry of authorized users or enable or disable remote privileges for opening and locking doors. It does not require the implementation of wired or wireless infrastructure and therefore reduces maintenance costs. It increases the safety, is user friendly and flexible, offers navigation to facilities and works with a standalone system, among other things.

contact your system administrator



Critical Infrastructure Protection

Area	Topic	Budget (M€)	Funding Terms
<u>Protecting the infrastructure of Europe and the people in the European smart cities</u>	<u>SU-INFRA02-2019</u> : Security for smart and safe cities, including for public spaces. Interconnected, complex and interdependent networks and systems: public transportation networks, energy, communication, transactional infrastructure, etc...	2019: 16.00	IA - 70% €8M per project

Conditions –

- TRL 7 (prototype demo in operational environment)
- At least 2 local city governments from 2 MS or AC
- Industry involvement is mandatory
- Up to 24 months duration
- Deadline - 22 August, 2019

Disaster Resilience - DRS

Area	Topic	Budget (M€)	Funding Terms
<u>Disaster Resilient Societies (DRS)</u>	<u>SU-DRS01-2018-2019-2020</u> : Human factors, and social, societal, and organizational aspects for disaster-resilient societies	2019: 5.00	RIA - 100% €5M per project

Conditions –

- Active involvement of at least 3 first responders' organisations or agencies from at least 3 different EU or Associated countries
- Deadline - 22 August, 2019

Technical aspects: DRS-01-2018

- Research and innovation in support of improved preparedness and **risk awareness related to natural or man-made disasters** from a societal viewpoint in view of creating a resilient society in Europe
- Research to assess **social media and other crowd-sources data** in emergency situations for different disaster scenarios (positive and negative impacts)
- Addressing diversity in **risk perception**, vulnerabilities, understanding, better transfer of research outputs to meet citizen expectations regarding risk acceptance and awareness. Use of social-media and crowd-sourced data, and the **involvement of citizens** in the investigations and possible **validation of tools and methods**

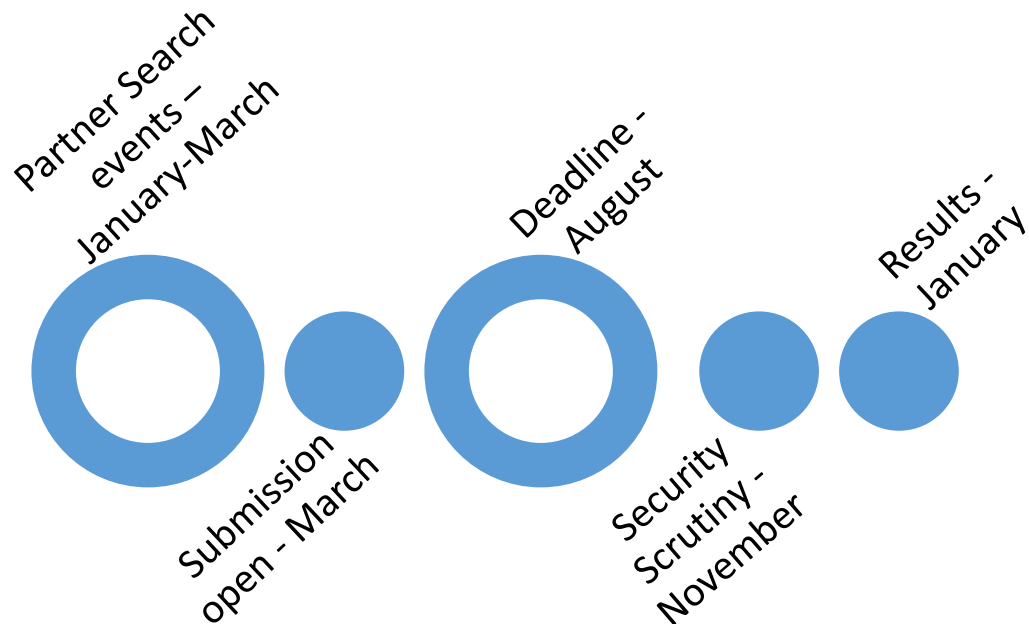
Disaster Resilience - DRS

Area	Topic	Budget (M€)	Funding Terms
<u>Disaster Resilient Societies (DRS)</u>	<p><u>SU-DRS02-2018-2019-2020</u>: Technologies for first responders</p> <p>2018 - Victim-detection technologies</p> <p>2019 - Innovation for rapid and accurate pathogens detection</p> <p>2018 – 2019 - 2020 – Open</p>	2019: 21.00	RIA - 100% €7M per project

Conditions –

- TRL 4-6 (technology validated in lab - prototype demonstrated in relevant environment)
- Active involvement of at least 3 agencies or first responders' organisations from at least 3 different EU or Associated countries
- Open requires the active involvement of at least 5 such organisations, from at least 5 different EU or Associated
- Deadline - 22 August, 2019

Partner Search Timeline



Partner Search presentations can be found on <http://www.iserd.org.il/Security/Library>



THANK YOU

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