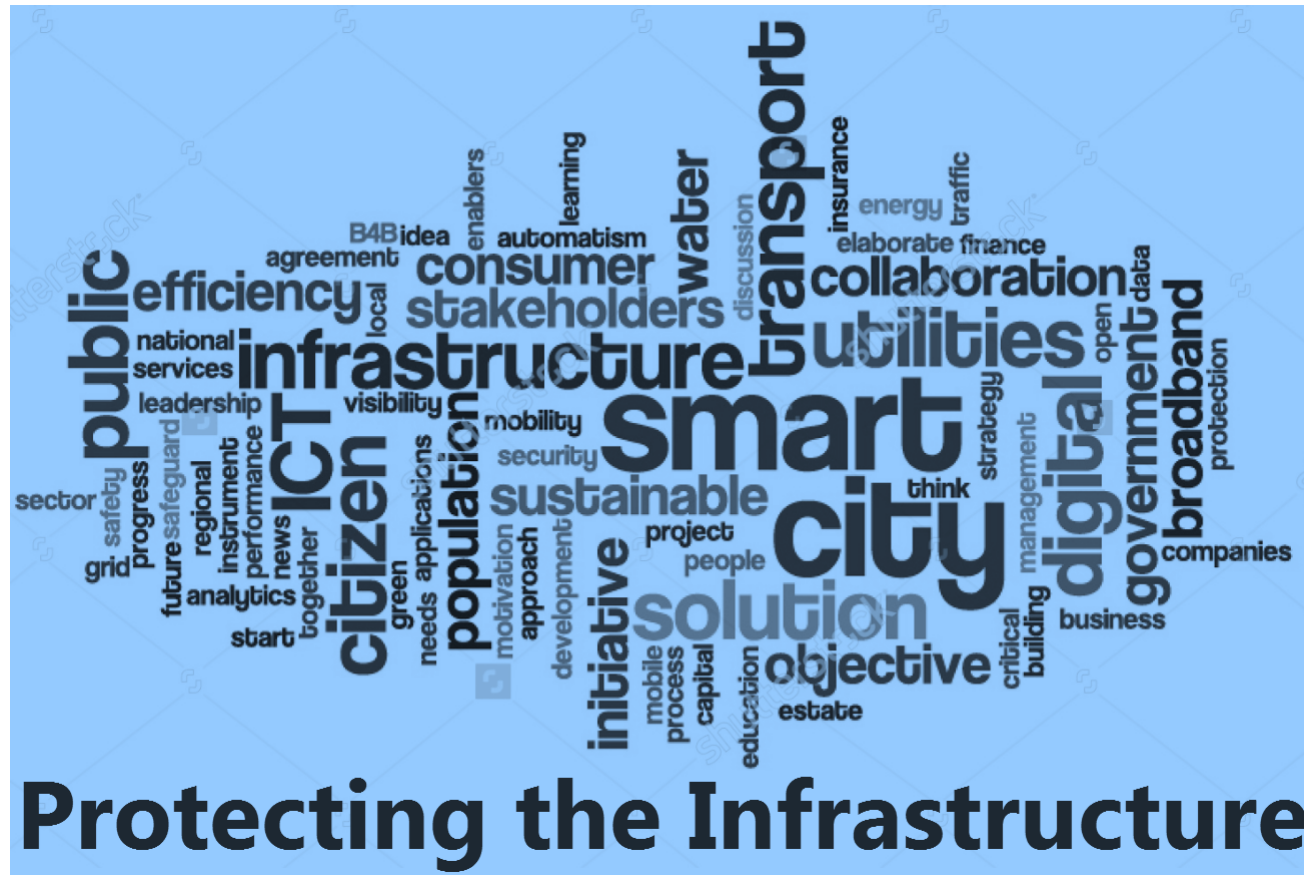*Horizon 2020 Sécurité*

SU-INFRA02

Security for smart and safe cities, including for public spaces

SU-INFRA

Protecting the infrastructure of Europe and the people in the European smart cities

Protecting the Infrastructure

SU-INFRA : 2018 → 2020

Year	Topic (Type of Action)	Title	Budget (M€)	Deadline
2019	SU-INFRA01-2018-2019-2020 (IA) SU-INFRA02-2019 (IA)	Combined physical and cyber threats "Soft" targets in Smart Cities	22,0 16,0	22 Aug 2019

Security for Smart Cities and "soft" targets in Smart Cities

- ▶ Type of Action   Innovation Action

- ▶ Output TRL   7

- ▶ Project duration   maximum **24 months**

- ▶ Budget per project   ~8 M€

- ▶ Total budget   16 M€ in 2019

- ▶ Eligibility conditions   At least 2 cities or metropolitan areas as beneficiaries
  Participation of industry to provide security solutions

- ▶ Deadline   22 August 2019

- ▶ Challenge

  - ❑ Open areas in cities constitute "soft targets", that are subject to "low cost" attacks impacting all citizens.
    - o Sharing big data in smart cities make urban services more responsive, and able to act upon real-time data
    - o Leveraging networks of detection and prevention capabilities to enhance first responders' actions

  - ❑ The distinct smart technological and communication environments (urban, transport infrastructures, companies, industry) within a smart city require a common cybersecurity management approach.

o Develop and integrate experimentally, in situ, the components of an **open platform for sharing** and managing information between public service operators and security practitioners of a large, smart city.

o involve actively the security actors of the city area, their coordination and governance;

o Ensure the interconnection of the city smart systems with the systems of the security practitioners;

o Address at least one of the following key issues:
   A. Simulation, detection and analysis of the security threats and risks of the interconnection of smart systems
   B. Delivery of a cyber-security framework to ease collaboration across all smart cities stakeholders;
   C. Support and implementation of a common approach to securing and managing the data.

o Consider how to combine, inter alia:
   o Methods to detect weapons, explosives, toxic substances
   o Systems for video surveillance
   o Methods to identify, and neutralize crime perpetrators whilst minimizing intrusion into crowded areas

o Enhance the security of city smart systems: access control, secure communication and data storage;

o Consider mitigation strategies to increase resilience;

o Integrate modules to simulate security incidents, and their consequences;

o Integrate modules to measure the quantitative and qualitative impact of the platform on security;

o Provide tools for the sharing, consolidation and analysis of multi-sourced data.

o Integrate digital security awareness into the eco-system of humans, competences, services and solutions.

Merci pour votre attention

pcn-securite@recherche.gouv.fr