

**AJUNTAMENT DE SANT BOI****EXPRESSION OF INTEREST TO JOIN CONSORTIA FOR:**

- **SU-INFRA-01**
- **SU-FCT-03**
- **SU-DRS01-2018-2019-2020**

**1. Background:**

Sant Boi Municipality is interested in joining consortia progressing project proposals to be submitted to the following calls and topics:

Call name: Protecting the infrastructure of Europe and the people in the European smart cities.  
Call ID: H2020-SU-INFRA-2018-2019-2020  
Topic: H2020 SU-INFRA-01 2020  
Topic title: Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe

Call name: Security  
Call ID: H2020-SU-SEC-2018-2019-2020  
Topic: SU-DRS01-2018-2019-2020  
Topic title: Human factors, and social, societal, and organisational aspects for disaster-resilient societies"

Call name: Fight against crime and terrorism  
Call ID: H2020-SU-SEC-2018-2019-2020  
Topic: SU-FCT03-2018-2019-2020  
Topic title: Information and data stream management to fight against (cyber)crime and terrorism

Deadline: 27<sup>nd</sup> of August 2020 17:00h CET

Sant Boi expects to be able to offer viable scenarios where the solutions proposed may take place

**2. Brief description and profile of Sant Boi Municipality**

**Webpage:** [San Boi](#)

The municipality of Sant Boi belongs to the metropolitan area of Barcelona (AMB) and represents a generic "urban metropolitan area" with a territory with a confluence of a large number and a variety of important infrastructures in very little space, including energy and water supply infrastructures, train and train-related infrastructures, as well as telecommunications infrastructures, ...etc, which has a high degree of criticality within the AMB. Other singular infrastructures include an hospital, a commercial mall (Sant Boi Shopping Center: <https://ccsantboi.es/>) or a sport stadium. There are agricultural and natural spaces in the municipality. Therefore, it is possible to provide and to contribute to the design of the most suitable testbeds for projects, and makes available the necessary actors and resources for the implementation and demonstration of the case studies of projects, coordinating a set of end-users including first intervention teams, police, firefighters, owners of infrastructures, private security companies...etc, as well as policy actors and public

agencies as the Catalan Government, the Diputació of Barcelona or the Telecommunications centre of Catalonia to cite some examples.

Sant Boi has a network of research and industry partners with which they have ongoing collaborations and are keen to be incorporated in projects as required.

- CIMNE-UPC: 3D simulation and crowd movement modelling
- Opticits: Identification of critical risks and cascading effects
- Nexus: Integration platforms

### **3. Relevant Projects / Activities / Initiatives in Sant Boi**

1. CAPACI[U]DAD: DUSI Strategy 2015-2020: The Strategy of Integral Sustainable Urban Development, developed within the eDUSI project (funded by ERDF): an instrument to help achieve, based on the current strategic vision, the desirable state of a future egalitarian, kind and enterprising city.
2. It has defined a Resilience Strategy (2019)
3. It is one of the Spanish Cities of Science&Innovation: <https://redinpulso.net/que-es-la-red/>
4. Integral control panel allowing sharing, consolidation and analysis of multi-sourced data of municipal assets: FAMA: <https://www.clubdeinnovacion.es/la-vinculacion-de-smart-building-y-smart-city-en-la-gestion-de-los-equipamientos-municipales-del-ayuntamiento-de-sant-boi-de-llobregat/>
5. It has implemented platforms used for information management purposes: urbanism, public equipment, economic development, infrastructure
6. Future relevant mid-term plans: The municipality of Sant Boi is defining new projects to be implemented within the next years:
  - 3D mapping and crowd motion in the city with UPC-CIMNE. This is the first step towards a fully integrated crowd prediction and management tool that takes into account not only data gathered in real time from cameras, cellphones or other sensors, but also merges these with advanced simulation tools to predict the future state of the crowd.
  - Enhance the security in terms of access control implementing an Integration system, a suite of applications consisting of personalised SCADA for managing and integrating security systems, such as Intrusion, Fire, CCTV, Access, Visits, Accreditations, Patrols and also Automation and Control systems.

SmartCat Sant Boi's activities take place in the context of the project led by CTTI (Catalan Governement) **SmartCat**.

### **4. Owners of key facilities that can be involved:**

The Sant Boi City Council team, lead by Zeljko Kulic, Head of the Public Equipments Service in Sant Boi City Council, have excellent relationships, and they are confident in involving in the project the owners of facilities such as Ceetrus (owner of most of the buildings in the commercial precinct) and other infrastructure owners (RENFE, Ferrocarriles de la Generalitat...etc), as required.

### **5. Security actors, their coordination and governance teams and municipal authorities and technical people**

The same applies to the involvement of all the necessary managers and technical people in the City council as well as other security actors as needed. They have the commitment of the leaders of:

- First responder team
- Civil protection team
- Red Cross team

- Police
- Fire fighters,

Examples of ongoing relevant policies and protocols regarding security:

- Civil security local plan
- Video surveillance local plan
- Industrial equipment's security local plan
- Local plan for ICTs and cybersecurity
- Master plan of infrastructures

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15<sup>th</sup> of April 2020