



Project Area 13: Secure Societies

Objective: PA Secure Societies (PA_Sec_Soc) has the final aim to design and implement solutions for **safety** and **security** by respecting the **privacy** of the citizens. Several main thematic areas can be identified according to the societal needs, which are requiring **multi-disciplinary approaches** and a continuously improved **knowledge sharing** and exchange among different worlds (practitioners, end-users, scientists, technologists, humanists). In this context, PA_Sec_Soc is able to give an answer to the present and future technological and scientific challenges in national and international programmes (H2020, FP9, EDA,...), which have an impact on the **improvement** of the **societal resilience**.

Approach: PA_Sec_Soc is carrying out the state-of-art activities in **four areas**. The first one regards the **protection** and the improvement of the **critical infrastructures** and of the **Built Environment**, where integrated solutions based on **cyber** and **physical security**, strategies for designing of the built environment and disaster **risk management** are approached. The second area addresses the fight against **crime** and **terrorism**, with solutions for **crisis management** in crowded areas and large events, **detection** and characterization of dangerous substances and objects and use of **social media** as a support to **crime prevention**. The third area is concerned with the **border** and **maritime security**, tackled under a holistic approach based on the integration of novel **surveillance** technologies and **robotics** concepts. The last area regards the **ethical** and **social** aspects of the security, with a focus on **safety** of the workers against electromagnetic risk and **privacy** issues associated to the surveillance systems.



Scientific Impact/Results: PA_Sec_Soc can give a significant **contribution** in many fields of the **Secure Societies** thematic, as testified by the significant research and technological transfer activities in many areas related to both **security** and **safety**. This is testified also by the large number of emerging research challenges envisaged, ranging from **ICT** (software/hardware) solutions as well as **modeling** tools for both Critical Infrastructures and Built Environment, and maritime safety and security.