



Executive Summary

The evolution of the complex scenario concerning the different aspects of Security is reflected by the attention and interest of a growing audience of academic and industrial researchers towards **SERIT (Security Research in Italy – www.piattaformaserit.it)**, ***the Italian technological platform acting in security which gathers today more than 300 organizations*** and an increasing number of security experts that participate in all its activities.

SERIT, a joint initiative launched by CNR and Finmeccanica, brings together Italian industries (both large industries and SMEs), academia, research centers and end-users, in order to *promote and develop a National Research Agenda* to drive the future technological developments, while answering to the identified National Security needs. To this aim, SERIT has been originally structured in Leading-Sectors (representing the different area where Security needs to be investigated in Italy) and Technological Areas (identifying the technological priorities). Within this role, SERIT aims to reinforce the networking among national researchers, industries, end-users and institution's representatives, allowing them to cooperate on common interest projects, to activate public-private partnerships and to strengthen national and international participation to research programs (including National research/national cluster activities and Horizon 2020).

The Technological Areas, that describe the key capabilities and technologies to be developed, are listed below:

- TA 1 - Surveillance & Situational Awareness;
- TA2 - Communications;
- TA3 - Detection & Identification Systems;
- TA4 - Technology for Crisis Management and Protection of Persons, Asset and Infrastructure;
- TA5 - Information Processing and Management;
- TA6 - CBRNE (Chemical Biological, Radiological, Nuclear and Explosives).

A Transversal Area, TA7 "Legal and Ethical Issues of Security", was also created with the aim of analyzing the ethical and social aspects of security applications.

The Leading-Sectors, that represent the main Italian Operative Missions are:

- SG1 - Transport security
- SG2 - Security of the energy system
- SG3 - Border Security
- SG4 - Cyber Security
- SG5 - Food Safety and Security
- SG6 - Health Security
- SG7 - Safety and Security in cultural heritage and buildings
- SG8 - Smart City Security