



PELASTUSOPISTO
EMERGENCY SERVICES COLLEGE



Emergency Services College

Situated in Kuopio, Finland, Emergency Services College (ESC) provides education, training and RDI for rescue services, including emergency response centre dispatchers. In addition ESC offers courses and consultancy in emergency preparedness for those responsible for civil defence, civilian crisis management missions and international humanitarian operations with UN, EU and NATO PFP. ESC operates under the supervision of Finnish Ministry of the Interior.

ESC has 40 hectare wide training ground with over 100 training and testing facilities, including various fire simulators, hazmat field, meteorological station and sensor networks. ESC is equipped with 70 fire engines, movable command and control centres, ambulances and other vehicles. In addition ESC has other simulating and testing environments e.g. real and simulated TETRA radio networks, Emergency Response Centre simulator and paramedic simulators.

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ESC RDI: structured end-user view

Research, Development and Innovation Unit of ESC is responsible for the coordination of research activities within Rescue Services in Finland. ESC RDI brings a strong and structured end-user view to projects, assisting in the domain analysis and supporting project activities by facilitating the dialogue between end-users, academia and industry.

Main research areas include:

- accident prevention, risk management and emergency preparedness
- process improvement of rescue services
- development of methods of rescues services
- practical field tests: product tests, demonstrations, experiments and fire tests.

Aim of RDI activities is to develop rescue services by producing input that can be used in enhancing practices, education and training and decision support.

ESC has a long history in several national projects concerning education and training aspects of emergency and rescue forces, with relevance to situational awareness and public safety ICT. Additionally, ESC contributes to several European research and development projects.

Regarding Horizon 2020 Work Program 2016–2017 our special interests lie in following topics (14. Secure societies – Protecting freedom and security of Europe and its citizens):

- CIP-01-2016-2017: Prevention, detection, response and mitigation of the combination of physical and cyber threats to the critical infrastructure of Europe
- SEC-01-DRS-2016: Integrated tools for response planning and scenario building
- SEC-02-DRS-2016: Situational awareness systems to support civil protection preparation and operational decision making
- SEC-04-DRS-2017: Broadband communication systems
- SEC-21–GM-2016-2017: Pan European Networks of practitioners and other actors in the field of security
- DS-02-2016: Cyber Security for SMEs, local public administration and Individuals.