



PETU10+

Research guidelines for
rescue services

6 June 2017

PETU10+

- PETU10+, Research guidelines for rescue services, is a dynamic document steering RDI activity in rescue services
- The PETU10+ themes are defined for a period of 10 years, spearheads for the duration of the government term, and specific issues for a period of one year.
- The first theme is defined on the basis of the development needs outside rescue services; **Rescue services in the dynamic environment**
- The second theme is defined on the basis of the development needs within rescue services; **Operations of rescue services**
- The third theme deals with the responsibility of individuals and groups formed by individuals; **Role of individuals in safety**
- The RDI services at Emergency Services College are in charge of the PETU10+ revisions. The management of the Department for Rescue Services of the Ministry of the Interior confirms PETU10+ by the end of March every year.

Research information is needed

- to support decision making
- to develop operations of rescue services
- to develop education

Themes and spearheads

Rescue services in the dynamic environment

- Changing and increasing complexity of the accident profiles
- Social risks
- Political and economic factors
- Changes in dynamics of the international environment

Operations of rescue services

- Changing roles of rescue services
- Function and quality of services
- Expertise, competence requirements and education of personnel
- Methods renewing rescue services

Role of individuals in safety

- Attitudes toward safety
- Interaction
- Intentional weakening and threatening of safety

Rescue services in the dynamic environment

- Changing and increasing complexity of the accident profiles
 - ❖ Positive and negative outcomes of digitalisation and power interdependencies
 - ❖ Threats caused by novel materials and their impacts on rescue operations
 - ❖ Assessment of and preparedness to new threats
- Social risks
 - ❖ Impacts of aging of population on rescue services
 - ❖ Impacts of increasing social polarisation on accident proneness
 - ❖ Impacts of migration on rescue services
- Political and economic factors
 - ❖ Impacts of structural changes on rescue services
 - ❖ Synergetic benefits of emergency medical care services
 - ❖ Role of rescue services as part of safety and security
- Changes in dynamics of the international environment
 - ❖ The EU's Civil Protection Mechanism
 - ❖ Aid provided following international agreements
 - ❖ Co-operation with neighboring countries

Operations of rescue services

- Changing roles of rescue services
 - ❖ Gaps of safety and security and interagency co-operation
 - ❖ From reactive to proactive
 - ❖ Innovations for accident prevention
- Function and quality of services
 - ❖ Risk analysis
 - ❖ Standard and effectiveness of services
 - ❖ Future of contract fire brigades
 - ❖ Function of emergency response centres
- Expertise, competence requirements and education of personnel
 - ❖ Multi-skilled personnel, capability to utilise digitalisation
 - ❖ Competence identification and career development
 - ❖ Conformity of education to requirements of work
- Methods renewing rescue operations
 - ❖ Rescue techniques and occupational safety
 - ❖ Planning and management
 - ❖ Rescue technology

Role of individuals in safety

- Attitudes towards safety
 - ❖ Current state of safety culture
 - ❖ How indifference reflects to causes and consequences of accidents
 - ❖ Accidents caused by negligence
- Interaction
 - ❖ New modalities of volunteering and exploiting volunteer activity
 - ❖ Interaction between individuals, groups and the authorities
 - ❖ Adopting new procedures
- Intentional weakening and threatening of safety
 - ❖ Radicalisation
 - ❖ Interference and violence towards rescue services personnel
 - ❖ Terrorism