

# Partnership on Border Management Estonian Academy of Security Sciences (EASS)

EASS is the higher education institution of the Ministry of the Interior providing

- vocational education,
- higher education,
- Master's studies

in the field of internal security.

The academy was established in 1992.

Relevant study and R&D units:

- Police and Border Guard College
- Rescue College
- The College of Justice
- The Financial College
- The Internal Security Institute
- Remote monitoring R&D centre Narva Study Centre



# Resources and expertise



Narva area map: 1: Narva Study Centre; 2: Main border crossing point; 3: Auvere facility; 4: Narva quarry; 5: Sirgala training area; 6: Narva-Jõesuu seaport; 7: wind farm.

## Long-term experiences of training for border guards incl.

- vocational and higher education, additional training
- innovative study methods
- varied experiences on using simulation in training
- value-based learning experiences

## Experience in R&D initiative and projects

- use of UAVs in border incidents
- testing of technology relevant to border management
- learning methodologies and values

## Unique study, research and test area in Narva on the external border of EU and NATO

- varied location and access to the industrial infrastructure in proximity of EU external border infrastructure;
- relevant and varied border infrastructure incl different types of border crossing points;
- regional network of research institutions incl top universities of Estonia;
- study centre with virtual simulation capabilities

## Extensive expert knowledge on border management and customs practices

- competencies on implementation of smart borders
- border surveillance
- remote sensing technologies, unmanned aircraft systems etc.

# Research interests

EASS interests in research and development in Narva area are mainly related to the field of integrated border management. However, EASS is open to participate in other directions of development and research. Current main research interests in the area of border management include the following:

- Energy efficiency and autonomy of different border surveillance systems and the border management infrastructure;
- Usage and interoperability of different remote sensing and surveillance technologies in border management, including testing of Unmanned Aircraft Systems (UAS), Unmanned Maritime Systems (UMS) and Unmanned Undersea Vehicles (UUVs) in the field of border management, also counter-UAS, counter-UMS technologies;
- Big data analytics, machine learning and data driven decision-making solutions for risk analyses in border intelligence;
- Interference in telecommunication in border areas;
- Border management, community involvement and cross-border influences;
- Methods in education and learning for border guards;
- Capability approach and values in education of border professionals.



# EASS interests in the framework of Horizon Europe



## Looking for the role as a partner in a consortium in the Civil Security for Society cluster in the Border Management topics:

- **02** – Interoperability for border and maritime surveillance and situational awareness
- **04** – Integrated risk-based border control that mitigates public security risk, reduces false positives and strengthens privacy
- **01** – Open topic



Narva Study Centre

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