69th IG MEETING

LoD 13 Session
SCIENCE & TECHNOLOGY EDUCATION

Oslo
3rd of March, 2026

1. About participants

2. Steps toward building an Innovation Network (KA2 IDEAS)

3. Common Module IMINT/GEOINT ANALYSIS

4. Development of new CMs: Optoelectronic Systems, Avionics &

   Weapon Systems.

5. KA2 project DIGITAL MATHEMATICS APPLIED IN DEFENCE

   AND SECURITY EDUCATION

6. Ballistics CM (internal, external, terminal)

PARTICIPANTS

BE **RMA**, BG **AFA**, BG **NDC**, DE **HSU**, EE **EMA**, ES **SASFA**, FR **FASFA**, GR **HAFA**, GR **HNA**, IT **AOS-UoT**, NO **NMA**, NO **NDUC**, PL **AWL**, PL **WAT**, RO **MTA**

20 participants

15 institutions

11 countries

Steps toward building an Innovation Network – KA2 IDEAS

– KA 2 Project Proposal : RO-MTA, PL-WAT, BG-NMU AADCIS Shumen, IT-AoO-UNITO, DE-HSU, GR-HAFA

Innovative Defence and Security EducAtion Network for Scientific Research (IDEAS)

The project aims to strengthen international cooperation among institutions active in defence and security education and to enhance the scientific research competencies and skills of students and cadets in this field. This will be achieved by creating a supportive and innovation-driven learning environment for competence development and by organising a series of pilot educational and scientific activities. The project is based on a project-based learning methodology that integrates innovative artificial intelligence-based tools. By developing these competencies, students are equipped with the knowledge and skills required to work effectively in intercultural and interdisciplinary teams, to design and implement scientific projects relevant to the defence and security sector, and to disseminate research results through scientific conferences and peer-reviewed journals. In doing so, IDEAS contributes to improving the overall quality of education and research and to increasing international mobility and cooperation among students, educators, and academic staff.

LoD 13 SCIENCE & TECHNOLOGY EDUCATION

Common Module IMINT/GEOINT ANALYSIS
– Blended Intensive Programme – 22nd of June – 3rd of July, 2026
(1st week online, 2nd week residential)

| Learning outcomes		
	Knowledge	• Describe the basic concepts of GEOINT related to military training in security and defence. • Identify the methods based on the fusion or integration of multiple forms of data collected from satellite and airborne sensors, along with a wide variety of other digital geographic information.
	Skills	• Apply GEOINT/IMINT analyses to provide critical spatial information to a decision-making process that is necessary for meaningful actions and decisions. • Design and implement scenarios based on Geospatial Intelligence (GEOINT) analysis and exploitation of EO and SAR HR Imagery.
	Responsibility and autonomy	• Analyse the quality of scenarios based on IMINT/GEOINT concepts. • Examine the correctness of the use of IMINT/GEOINT concepts in the decision-making process of the military actions or peacekeeping missions.

https://www.youtube.com/watch?v=vGtNr0IQqR0

BIP Optoelectronic Systems for Defence and Security

Annouced partners: BE-RMA, GR-HAFA, PL-WAT, RO-MTA

Organising the BIP "Optoelectronic Systems for Defence and Security (draft)
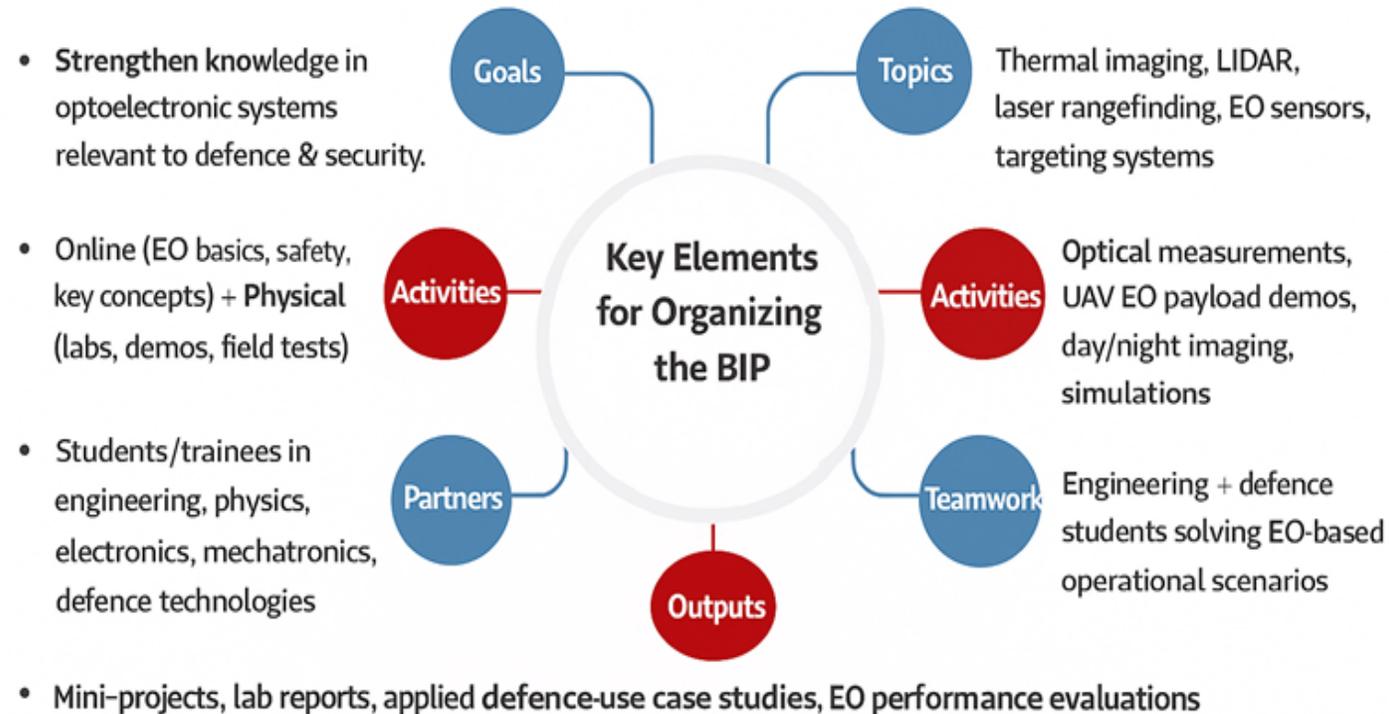
Ballistics BIP / CM (internal, external, terminal)
1 week – November 2026
Annouced partners: BE-RMA, GR-HAFA, PL-WAT, RO-MTA

Learning outcomes		
	Knowledge	• Demonstrate understanding of the principles and phenomena governing interior, exterior, and terminal ballistics, with a focus on the operational characteristics of ballistic systems used in army, air, and naval forces. • Explain the physical and mathematical models underlying the trajectory, stability, and impact behaviour of projectiles in various ballistic phases, adapted to both small- and large-calibre weapon systems.
	Skills	• Analyse the ballistic performance of different weapon systems using appropriate theoretical and computational tools, including trajectory simulation and impact analysis for defence and security applications. • Evaluate the performance of army, air, and naval armament systems, integrating considerations specific to interior, exterior, and terminal ballistics.
	Responsibility and autonomy	• Demonstrate autonomy in conducting ballistic assessments and simulations to support informed decisions regarding the use, adaptation, or development of weapon systems in various operational contexts. • Assume responsibility for the accuracy, safety, and ethical implications of applying ballistic knowledge in the design and evaluation of defence and security technologies.

QUESTIONS?

SUGGESTIONS?

RECOMMENDATIONS?