



European Initiative for the Exchange of young officers inspired by Erasmus

EMILYO - Military Erasmus - Erasmus Militaire - The initiative



LoD-21 [Hybrid Threats]

Col Prof Adrian Lesenciuc, PhD
Vice-Rector for Science

nanoschematic

DNA contains the genetic information that allows all modern living things to function. While DNA replication is necessary, it is not the only way to pass on information. Some life forms have developed other ways to pass on information. For example, some bacteria can pass on information through small, circular DNA molecules called plasmids. These plasmids can be transferred between bacteria, and they can carry genes that give bacteria new traits, such as the ability to resist antibiotics. This is a form of horizontal gene transfer, and it is a key mechanism for the evolution of many organisms. In fact, some scientists believe that the first life forms may have been simple molecules like RNA, which can both store information and catalyze chemical reactions. This is the RNA world hypothesis, and it is a leading theory for the origin of life. The study of DNA and other genetic material is a rapidly growing field, and it has many applications in medicine, agriculture, and biotechnology. For example, scientists are using CRISPR-Cas9 gene editing to create new crops and to treat genetic diseases. They are also using DNA to create new materials and to develop new sensors and devices. The future of DNA research is bright, and it will continue to revolutionize our understanding of life and the world around us.

Tuesday, 3 March 2026, 69th IG Meeting, Oslo, Norway



LoD-21 *Hybrid Threats* Agenda

Tuesday, 3 March 2026, 69th IG Meeting, Oslo, Norway

01

Short report on
the 1st TTT
Module Hybrid
Threats.

Pilot

02

Preparation of
the 1st Hybrid
Threats CM.

Pilot

03

Other aspects.
Status of the
Debate Forum
and of the
Journal on Hybrid
Threats.



nanoschematic

DNA contains the genetic information that allows all modern living things to function, grow and reproduce. It is a clear example of how information is stored in life. DNA has been shown to be a material that can be used to store information. The central dogma of molecular biology states that DNA is transcribed into RNA and then translated into proteins. This process is essential for the function of all living organisms. The central dogma of molecular biology is a fundamental principle of genetics. It states that the flow of genetic information is from DNA to RNA to protein. This process is essential for the function of all living organisms. The central dogma of molecular biology is a fundamental principle of genetics. It states that the flow of genetic information is from DNA to RNA to protein. This process is essential for the function of all living organisms.

Short report on 1st TTT HTh Module [LoD-21, Hybrid Threats]

Tuesday, 3 March 2026, 69th IG Meeting, Oslo, Norway

1st TTT HTh Module Participants

Romania: 6 Staff members and 3 professors, from 'Henri Coandă' Air Force Academy; 2 staff members and 4 professor from General Directorate of Information and Public Relations, Romanian MoD ; 2 staff members and 1 professor from National Institute for Intelligence Studies, 'Mihai Viteazul' National Intelligence Academy

Hungary: 2 professors from Ludovica University of Public Service

Belgium: 1 professor from Belgian Royal Military Academy

Croatia: 1 staff member and 1 professor from 'Franjo Tudman' Defense and Security University

Greece: 1 professor from Hellenic Air Force Academy

USA: 1 professor from University of Texas, Rio Grande Valley
USA.

Bulgaria (5): Rakovski National Defence College (2)/ "Vasil Levski" National Military Academy (1)/ "Georgi Benkovski" Air Force Academy (2)

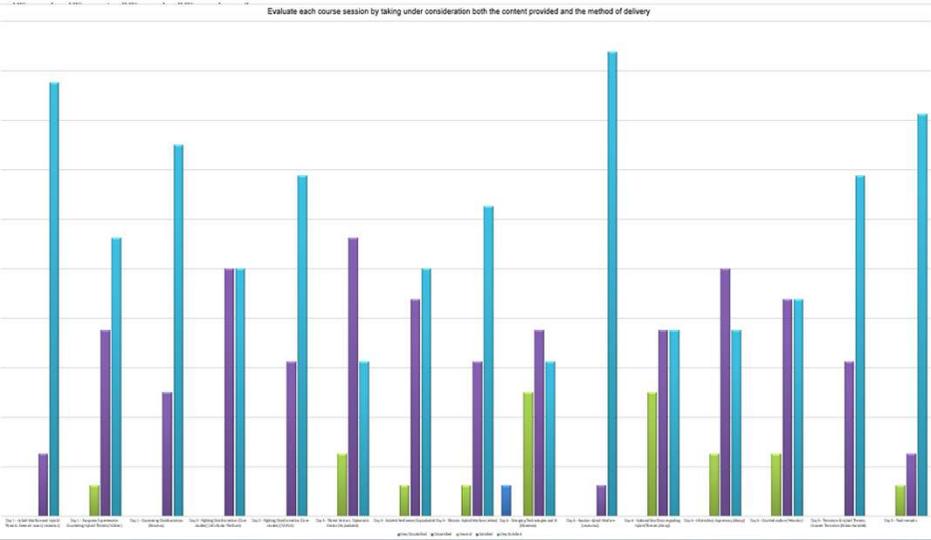
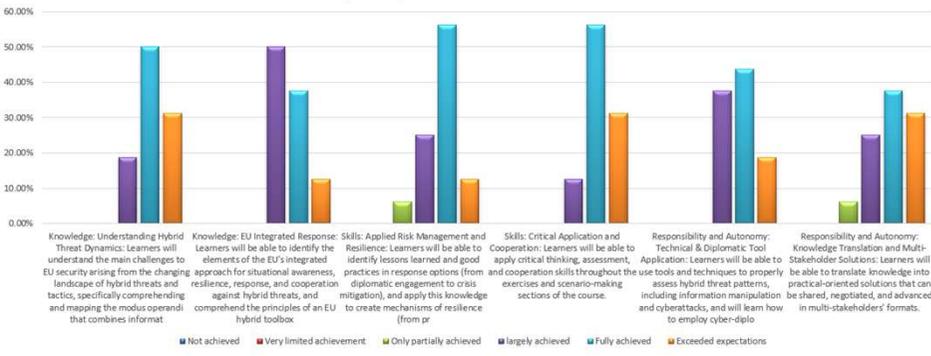
Greece (4): Hellenic Army Academy (4)

Spain (2): Centro Universitario de la Defensa de Zaragoza (1)/ Academia Militar General Zaragoza (1)

Romania (5): „Henri Coandă” Air Force Academy (1)

Evaluation

Evaluate the achievement based on learning outcomes as defined in the respective course Curriculum. The participant at the end of the course should be able to:



Participant's engagement during course 5.12/6

Class environment facilitated learning 5.75/6

Participants interest/attention during course 5.44/6

Course applicability (understand how to apply information learned) 5.38/6

Course expectations met 5.69/6

E-Learning 4.81/6

Average 5.37/6

Self-assessment

Strengths/What to keep

- very good interactions between trainers and trainees
- interactive lectures
- diversity of topics and

- more exercises, case studies, serious games
- the day in Bucharest at General Directorate of Information and Public Relations and National Institute for Intelligence Studies

Weaknesses/What to improve

Lessons learned. Other comments

Additional Comments from Course Director

For the first iteration, the result was **very satisfying**. Both the trainers and the trainees had an important involvement in order to carry out the module in good conditions. The **high quality of the trainers and trainees**, plus interpersonal relationships, authentic dialogue and openness to the development of the area of Hybrid threats are the most important strengths of this pilot edition. It is necessary to identify the resources to have all invited professors physically present, if possible.

Also, the European Center of Excellence for Countering Hybrid Threats (Hybrid CoE) should be involved.

Additional Comments from ESDC Training Manager

In terms of organization and objectives reached, the course ran excellently. No major issues were reported during the 5-day sessions. The agenda was very well followed. From participant feedback, the learning outcomes were achieved to a very satisfying extent. The course was very well accepted, and most participants were engaged, with 95% stating that they would recommend this course to other colleagues. The overall organisation, training room and its equipment and coffee breaks were excellent. Overall, the course was deemed an "**amazing experience**" and an "**outstanding and highly beneficial training experience**" that successfully prepares cadets to become well-rounded and capable officers.

continuation of the **TTT Hybrid Threats module** with the December 2026 edition;

organizing a **Common Module (as BIP)** for cadets in March 2026;

organizing a **Debate forum** in May 2026 to be able to observe the the results of the implementation and skills developed within the module by the trainees;

establishment and publication of a specialized **scientific publication**.



Reported by Dr.-Ing. Lars Ole Fichte
Helmut-Schmidt-Universität / Universität der
Bundeswehr Hamburg
Professur für Theoretische Elektrotechnik

Short report on Hybrid Threats – Protection and Enhanced Resilience of Critical Infrastructure [LoD-21, Hybrid Threats]

Tuesday, 3 March 2026, 69th IG Meeting, Oslo, Norway

Participating cadets & logistics

- 15 cadets from 7 countries, 9 males, 6 females
- Well matched group, generally very young
- Hosted in single bed dormitories (in a newly constructed building)
- Shuttle service from/to airport was provided
- Meals at “mensa” = cafeteria on campus
- Icebreaker
- Boat trip
- “Swimming competition” & BBQ dinner



Timetable

Monday - 23 February 2026	Tuesday - 24 February 2026	Wednesday - 25 February 2026	Thursday - 26 February 2026	Friday - 27 February 2026
Opening by the President and Commander Student Body Regiment 09:00-09:10 at complex room 1002 Course Intro, Intro on Hybrid Threats, Intro on Infrastructure	Risk management and Business Continuity Management in Security Management (with Exercise)	Espionage and Sabotage	Role play: Exercise Stormwind	"Operation Spiderweb" Ukrainian UAVS vs Russian Airfields
Review of learning materials & discussion (Critical Infrastructure & Resilience)	Crisis management basics (with Exercise)	Defense against Unmanned Aerial Vehicles	Role play: Exercise Stormwind	Final Remarks+ ESDC Evaluation Survey (30 minutes)
Crisis management basics (with Exercise)				
Hamburg Port Authority (HPA) as critical infrastructure and the threat posed by drones	Chemical, Biological and Nuclear Threats	GPS / 5G Jamming	Role play: Press Conference	Feedback, Presentation of the certificates by the Vice President for International Affairs 13:45 - 14:00
Online: Cybersecurity	Intentional Elektromagnetic Interference	Online: Black Sea	Exam	Departure
from 16:15 to 16:30 Icebreaker Group Photo GHG	Harbor boat trip	from 17:00 Swimming Competition	Leisure time	
from 16:30 Icebreaker at OFFICERS' MESS	from 16:30 Harbor boat trip	to 19:00 Swimming Competition	Leisure time	
to 20:00 Icebreaker	to 20:30 Harbor boat trip	from 19:15 Grill-Event at Officers' Mess	Leisure time	





Preparation for the LoD-21 Hybrid Threats Common Module [HTh CM] [LoD-21, Hybrid Threats]

Tuesday, 3 March 2026, 69th IG Meeting, Oslo, Norway

<https://www.emilyo.eu/short-event/ro-afahc-2026-common-module-hybrid-threats>

Sunday, March 15th 2026

depending on flight schedule Cadets arrival (recommended at 'Henri Coandă' Bucharest Otopeni airport)

Cadets accommodation in the facilities of 'Henri Coandă' Air Force Academy

Monday, March 16th 2026

07.00 – 07.30	Breakfast	HCAFA Mess Hall
08.45 – 09.30	Official Opening of the Module	F.E. 3.11 Amphiteater
09.40 – 11.10	Introduction	Classroom
11.10 – 11.50	Coffee Break	
11.50 - 13.20	Hybrid warfare. Hybrid threats	Classroom
15.15 – 16.00	Lunch	HCAFA Mess Hall
16.00 - 20.30	Free time/ Self study	
20.30 - 21.00	Dinner	HCAFA Mess Hall

Tuesday, March 17th 2026

07.00 – 07.30	Breakfast	HCAFA Mess Hall
07.30 – 15.00	Study visit	Bucharest (or Brasov)
15.15 – 16.00	Lunch	HCAFA Mess Hall
16.00 - 20.30	Free time/ Self study	
20.30 - 21.00	Dinner	HCAFA Mess Hall

07.00 – 07.30	Breakfast	HCAFA Mess Hall
09.40 – 11.10	Hybrid Threats Vectors	Classroom
11.10 – 11.50	Coffee Break	
11.50 - 13.20	Regional and global actors	Classroom
13.30 – 15.00	Regional and global actors	Classroom
15.15 – 16.00	Lunch	HCAFA Mess Hall
16.00 - 20.30	Free time/ Self study	
20.30 - 21.00	Dinner	HCAFA Mess Hall

Thursday, March 19th 2026

07.00 – 07.30	Breakfast	HCAFA Mess Hall
08.00 – 09.30	Ethics of hybrid confrontations	F.E. 3.11 Amphiteater
09.40 – 11.10	Ethics of hybrid confrontations	Classroom
11.10 – 11.50	Coffee Break	
11.50 - 15.00	Sightseeing	Brasov
15.15 – 16.00	Lunch	HCAFA Mess Hall
16.00 - 20.30	Free time/ Self study	
20.30 - 21.00	Official Dinner Common Module <i>Hybrid Threats</i>	Bella Muzica Restaurant

Friday, March 20th 2026

07.00 – 07.30	Breakfast	HCAFA Mess Hall
08.45– 09.30	Official Opening of AFASTUD Conference	F.E. 3.11 Amphiteater
09.40 – 11.10	Final evaluation of the Common Module	Classroom
11.10 – 11.50	Coffee Break	
11.50 - 13.20	Debates in AFASTUD Conference panels	Classroom
13.30 – 15.00	Closing Ceremony of the Common Module	F.E. 3.11 Amphiteater
15.15 – 16.00	Lunch	HCAFA Mess Hall
16.00 - 20.30	Free time/ Cadets' departure	
20.00 - 23.00	Official Dinner of AFASTUD Conference	Officers' Club

Saturday, March 21st 2026

depending on flight schedule Cadets' departure





Hungary:

Ludovika University of Public Service- Faculty of Military Science and Officer Training

5 cadets



Bulgaria:

Bulgarian Air Force Academy

4 cadets



Spain:

Centro Universitario de la Defensa

2 cadets



Croatia:

Dr. Franjo Tuđman Defense and Security University

4 cadets



Poland:

Polish Air Force University

2 cadets



Romania:

„Nicolae Bălcescu” Land Forces Academy

2 cadets

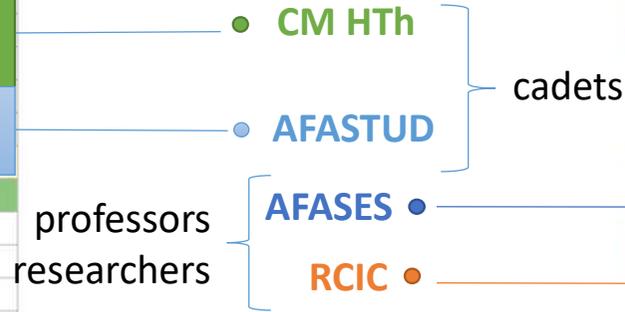
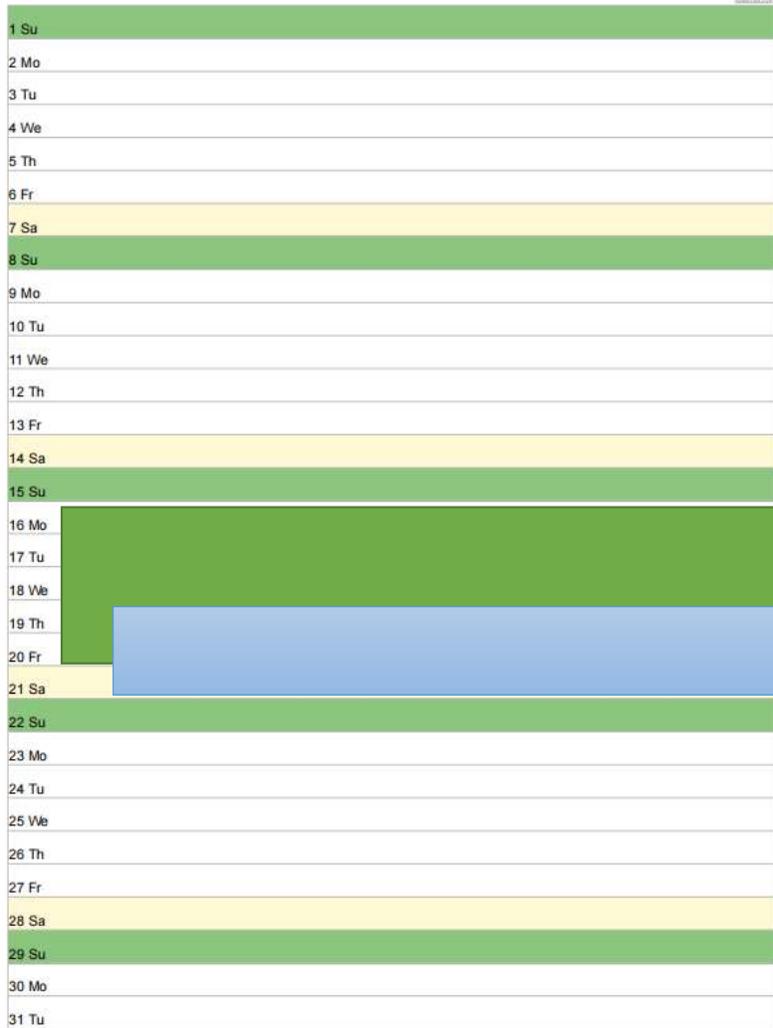


„Henri Coandă” Air Force Academy

3 cadets

Participants: 22 cadets

MARCH 2026



MAY 2026



„HENRI COANDĂ”
AIR FORCE ACADEMY
BRASOV



EURO-ATLANTIC RESILIENCE
CENTRE (E-ARC)
BUCHAREST



EUROPEAN SECURITY AND
DEFENCE COLLEGE
BRUXELLES



EUROPEAN INITIATIVE FOR
THE EXCHANGE OF YOUNG
OFFICERS (EMILYO)



13th INTERNATIONAL CONFERENCE

Redefining Community in Intercultural Context RCIC'26

Proposed topics:

- **Cognitive Warfare & Resilience (New);**
- **Narrative analysis (New);** Discourse Analysis;
- Intercultural Communication;
- Media and Security.

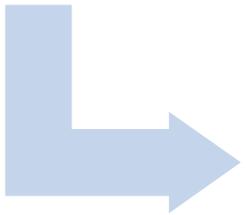
Workshop: Hybrid Threats (New), coordinated by the European Initiative for the Exchange of Young Officers Inspired by Erasmus (EMILYO)/ European Security and Defence College, Bruxelles, through LoD-21, *Hybrid Threats*.

After having submitted the conference papers in advance, the topics will be discussed in panels. All new ideas arising from these discussions will subsequently be used as a starting point for future similar events.

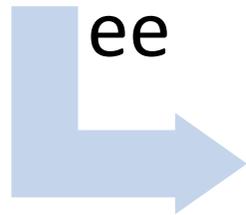
LoD 21 Hybrid Threats

Hybrid Journal

Establishing the board



Sending invitations



Getting the first issue

• Editorial committee

• for the board members

• for the first issue

- G. Akrap
- I. Gajauskaite
- I. Lekea
- A. Molnar
- F. Petruska
- T. Simons
- A. Stoian-Karadeli

- A. Lesenciuc
- L.O. Fichte
- N. Tomic
- ...

• 3rd semester

202

6

Riga meeting (70th IG meeting)

- Short report on Common Module & Debate Forum
- Preparation for the next TTT Module on *Hybrid Threats*
- Future events. Status on *Hybrid Journal*

Who will organize the 2027 Common
Module on Hybrid Threats?

Who will organize the 2027 TTT Module
on Hybrid Threats?

...



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EMILYO - Military Erasmus - Erasmus Militaire - The initiative



LoD-21 [Hybrid Threats]

Thank you!

nanoschematic

DNA contains the genetic information that allows all organisms to develop, grow and reproduce. The sequence of the four bases in the backbone of DNA, the DNA code, determines the structure of the DNA and the proteins that it encodes. The DNA code is a sequence of four bases: adenine (A), thymine (T), guanine (G) and cytosine (C). The sequence of these bases determines the structure of the DNA and the proteins that it encodes. The DNA code is a sequence of four bases: adenine (A), thymine (T), guanine (G) and cytosine (C). The sequence of these bases determines the structure of the DNA and the proteins that it encodes.

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