

ESDC



EUROPEAN UNION MILITARY ACADEMIES COMMANDANTS' SEMINAR 2025

27 – 30.05.2025 | WARSZAWA – DĘBLIN

EUROPEAN AIR FORCE ACADEMIES COMMANDANTS' CONFERENCE EUAFA CC 2025



Moderator

Lt. Col. Ryszard ZAREMBA

Chairman of the Panel

Col. ret. navig. Tomasz GUGAŁA, PhD. Eng.

Polish Air Force University, 29th May 2025, Dęblin

AGENDA

EUAFA CC - European Air Force Academies Commandants' Conference Air Power in Hybrid Operations

MODERATOR	Lt. Col. Ryszard ZAREMBA	Senior Lecturer, Head of Foreign Languages Department - PAFU	
CHAIRMAN	Col. ret. navig. Tomasz GUGAŁA, PhD, Eng.	Senior Lecturer, Institute of Navigation – PAFU, IAFS.	
EMILYO VICE-CHAIRMAN	Col. Assoc. Prof. Cosmina-Oana ROMAN, PhD	HC AFA, Vice-Rector for Programs and International Relations, EMILYO Vice – Chair Logistics, EUAFA Coordinator	“Introduction to history and idea of EUAFA, possibilities of cooperation”
EMILYO CHAIRMAN	Col. Assoc. Prof. Hon. Sen. Harald Gell, PhD (habil.) MSc, MSD, MBA	Chairman of the EU Military Erasmus (EMILYO) Implementation Group	„International Air Force Semester & Technical Semester”
SHORT COFFEE BREAK IF NEEDED			
EXPERT	Maj. Gen. Pilot Cezary WIŚNIEWSKI	Deputy Commander of the Polish Armed Forces General Command	DISCUSSION about 90 min. Questions and Discussion
EXPERT	Maj. Gen. Pilot Ireneusz NOWAK, PhD, Eng.	Air Force Inspector of the Polish Armed Forces General Command	
EXPERT	Col. Pilot Krzysztof KWIATKOWSKI, PhD, Eng.	Chief of the Combat Aviation Helicopter Branch of the Polish Armed Forces General Command.	
EXPERT	Col. Pilot. Krzysztof SZYMANIEC, PhD, Eng.	Deputy Commander of the 3rd Air Transport Wing	
CONCLUSIONS AND RECOMMENDATIONS			





EUROPEAN AIR FORCE ACADEMIES COMMANDANTS' CONFERENCE

29.05.2025 | DEBLIN - POLAND

Col. Assoc. Prof. Cosmina-Oana ROMAN, PhD

HC AFA Vice-Rector for Programs and International Relations, EMILYO Vice-Chair, EUAFA Coordinator

1

Col. Assoc. Prof. Hon. Sen. Harald GELL, PhD (habil.). MSc, MSD, MBA

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Chairman of the Panel

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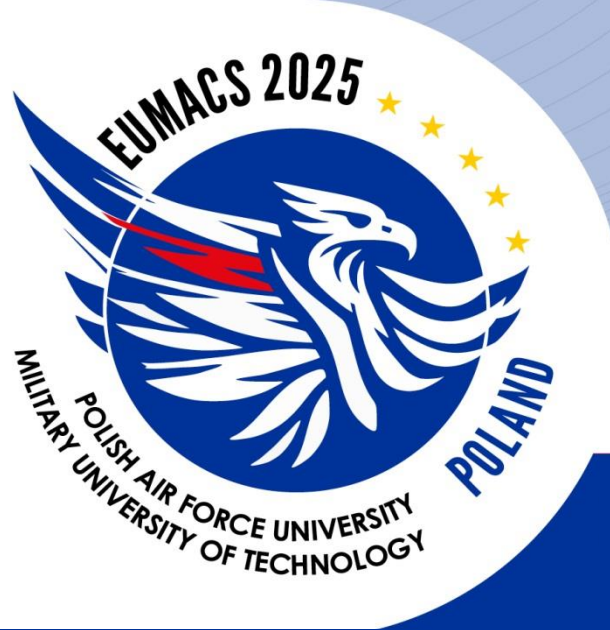
EXPERTS



EUAFA

Now and Then

Col. Assoc. Prof. Cosmina Oana ROMAN, PhD



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EUROPEAN AIR FORCE ACADEMIES COMMANDANTS' CONFERENCE

29.05.2025 | Dęblin -

AIR POWER IN HYBRID OPERATIONS IN REFLECT OF MULTI-DOMAIN OPS and Its Impact on Military Education

AGENDA

AIR POWER IN HYBRID OPERATIONS IN REFLECT OF MULTI-DOMAIN OPS

1

Introduction

2

The Main Subject - Consideration with Experts

3

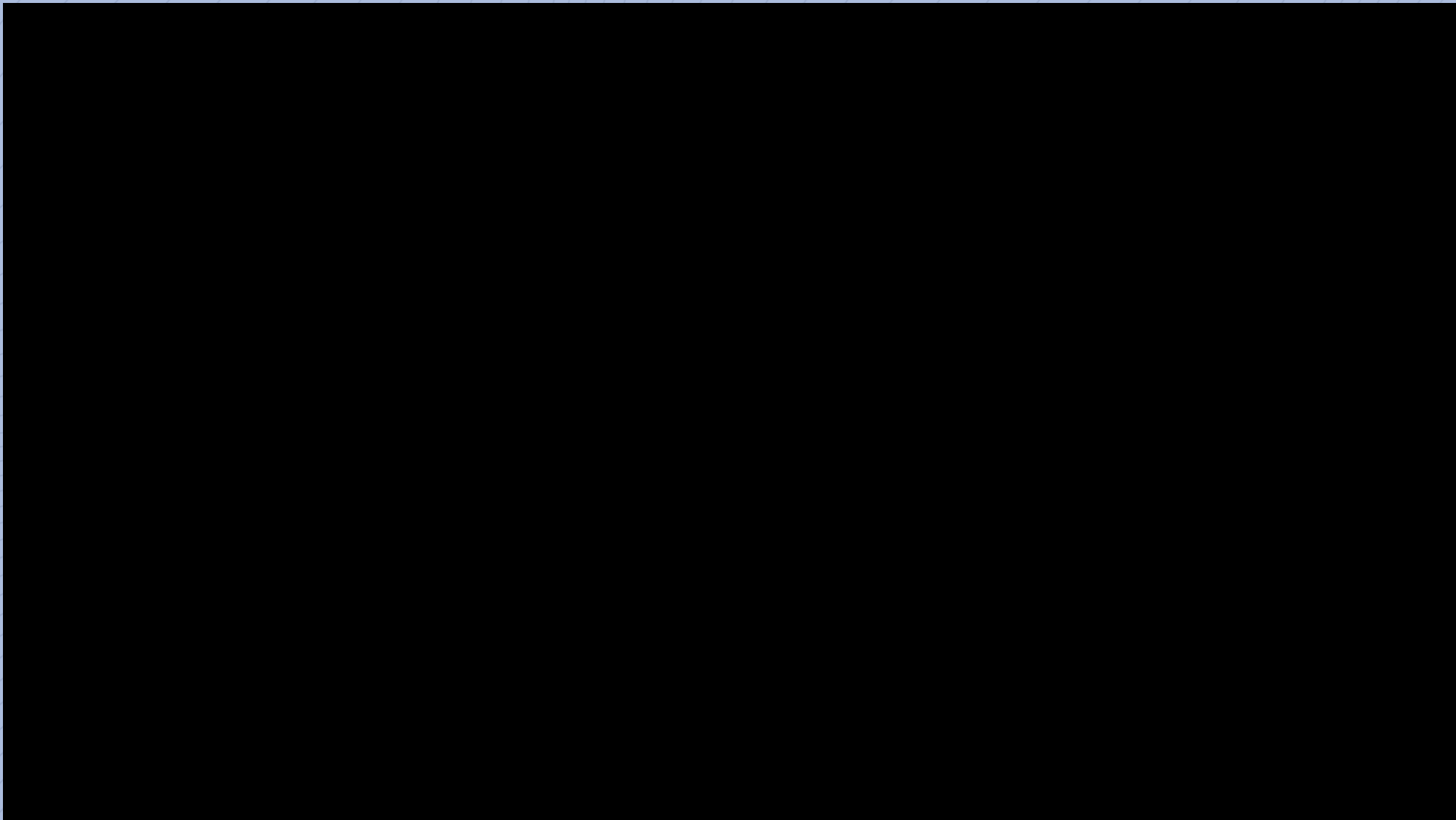
Audience Questions for Experts

4

Conclusions and Recommendations



POLISH AIR POWER



EUROPEAN AIR FORCE ACADEMIES COMMANDANTS' CONFERENCE

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HYBRID OPERATIONS

According to NATO and US doctrine, HYBRID Operations is the combination of conventional and unconventional (*irregular*) capabilities within coordinated tactical and operational activities. It is the common occurrence (*usually in peacetime*) of factors that threaten or may threaten the security of the state and its citizens.



AIR POWER

the ability to achieve operational goals by using military potential in the air and from the air. This definition also includes the use of manned aircraft and UAS in the air, land and sea environment. Air Power includes, among other things, air and anti-aircraft potential.



FIFTH GENERATION WARFARE / MULTIDOMAIN OPS

International experts studying the nature of war so far distinguish the first, second, third, fourth and fifth generations of war. FIFTH GENERATION WAR (5GW) is a war conducted using kinetic and non-kinetic military actions, such as social engineering, disinformation, cyberattacks, as well as using new technologies such as artificial intelligence and fully autonomous systems. It is a modern war based on all the achievements of civilization.

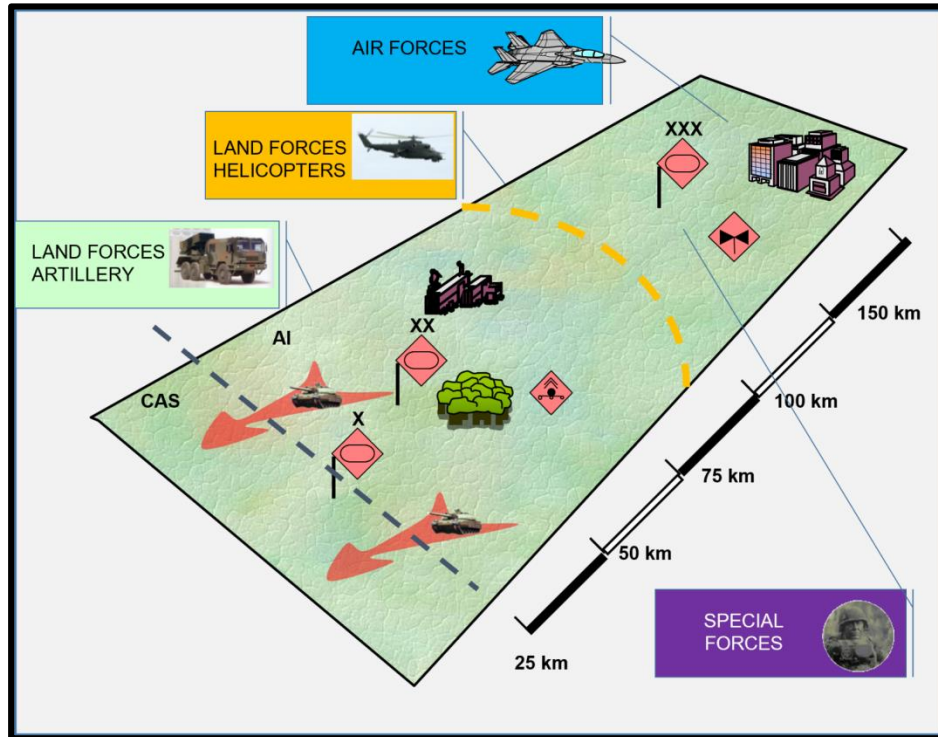


MULTI-DOMAIN OPS

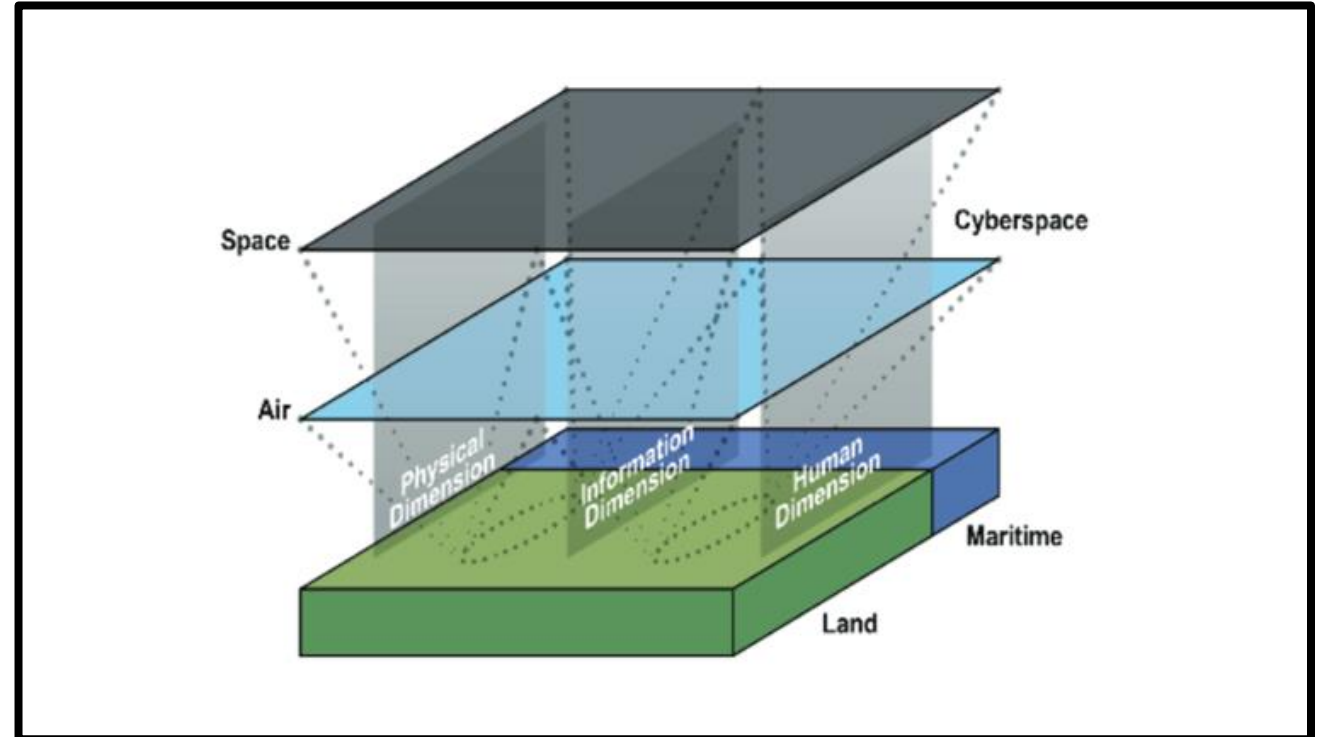
According to contemporary experts, also from the PAFU and the General Command of the Polish Armed Forces - the term of MULTI-DOMAIN OPS, existing in contemporary world, is characterized by the following factors: - widespread use of AI, autonomy and biotechnology across manned and unmanned components of the Armed Forces; - comprehensive supplementation of the increasingly small fleet of manned aircraft with unmanned platforms.



JOINT OPERATIONS AND MULTI-DOMAIN



The essence of joint operations
Source: War Studies University



The Importance of Integrating Operations in a Multi-Domain, Multi-Dimensional Environment
Source: FM 3-0 Operations, Headquarters, Department of the Army, Washington 2022

THE MAIN SUBJECT

The main idea of our conference panel is to discuss the use of Air Power in Hybrid Operations in the light of the nature of **Multi-Domain Operations**.

In Fifth Generation Warfare, as well as in previous generations of war, gaining air superiority may prove crucial, which will require the use of fifth and sixth generation manned aircraft and a large fleet of UAS to conduct destructive operations in enemy territory.

To achieve the common goal related to the main subject of this panel, I will ask specific questions to my guests / experts in the field of the use of Air Power in contemporary armed conflicts.

Of course, Commandants, being present at the conference, are encouraged to take part in the discussion, presenting their views on the issue of using Air Power in hybrid OPS.





Thanks for your attention

Col. ret. navig. Tomasz GUGAŁA, PhD, Eng.