

EUROPEAN UNION MILITARY ACADEMIES COMMANDANTS' SEMINAR 2025

27 – 30.05.2025 | WARSZAWA – DĘBLIN

EUROPEAN AIR FORCE ACADEMIES COMMANDANTS' CONFERENCE

Moderator
Lt. Col. Ryszard ZAREMBA

Chairman of the Panel
/Col/ Navig. Tomasz GUGAŁA, PhD. Eng.

AGENDA

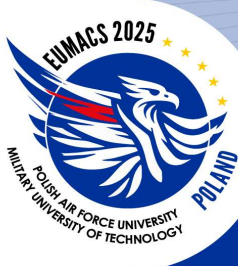
EUAFA CC - European Air Force Academies Commandants' Conference *Air Power in Hybrid Operations*

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|--------------------------------|---|---|---|
| MODERATOR | Lt. Col. Ryszard ZAREMBA | Senior Lecturer, Head of Foreign Languages Department - PAFU | |
| CHAIRMAN | Ret. Col. 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 | “Introduction to history and idea of EUAFA, possibilities of cooperation” |
| EMILIO CHAIRMAN | Col. Assoc. Prof. Hon. Sen. Harald GELL, PhD(habil.). MSc, MSD, MBA | Chairman of the EU Military Erasmus 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 | Deputy Commander of the 3rd Air Transport Wing | |
| EXPERT | Col. Pilot Krzysztof SZYMANIEC, PhD, Eng. | Chief of the Combat Aviation Helicopter Branch of the Polish Armed Forces General Command | |
| CONCLUSION AND RECOMMENDATIONS | | | |



EUROPEAN AIR FORCE ACADEMIES COMMANDANTS' CONFERENCE

29.05.2025 | DĘBLIN - POLAND



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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

Chairman of the EU Military Erasmus Implementation Group

2

Maj. Gen. Pilot Cezary WIŚNIEWSKI

Deputy Commander of the Polish Armed Forces General Command

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Maj. Gen. Pilot Ireneusz NOWAK, PhD. Eng.

Air Force Inspector of the Polish Armed Forces General Command

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Col (Ret). Navig. Tomasz GUGAŁA, PhD Eng.

Chairman of the Panel

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EXPERTS

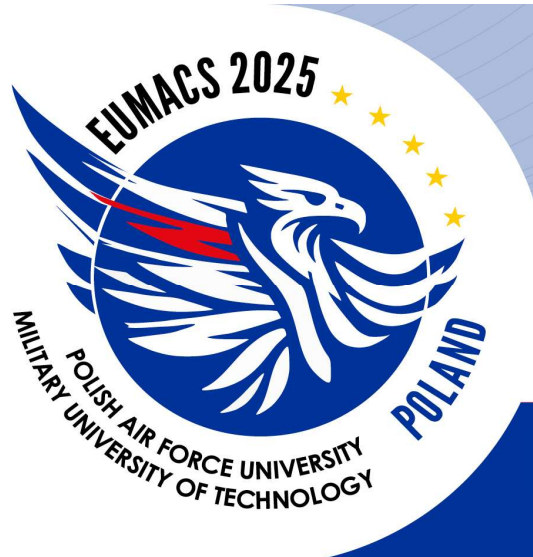


EUAFA

Now and Then

COL Assoc. Prof. Cosmina Oana ROMAN, PhD

EUAFA, Dublin, 2025



EUROPEAN AIR FORCE ACADEMIES COMMANDANTS' CONFERENCE

29.05.2025 | Dęblin - Poland

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

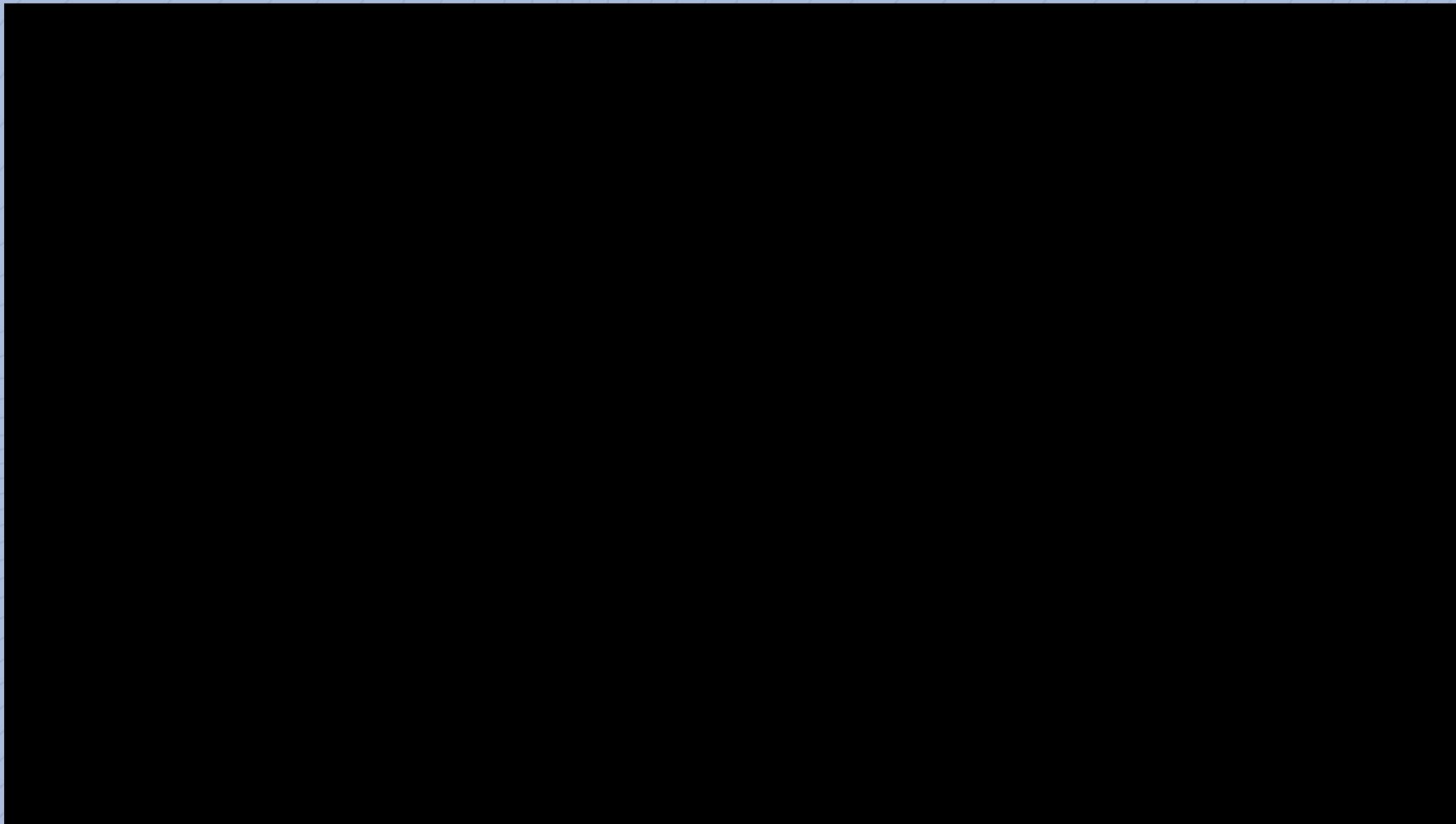
Conclusion & Recommendations



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POLISH AIR POWER



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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.

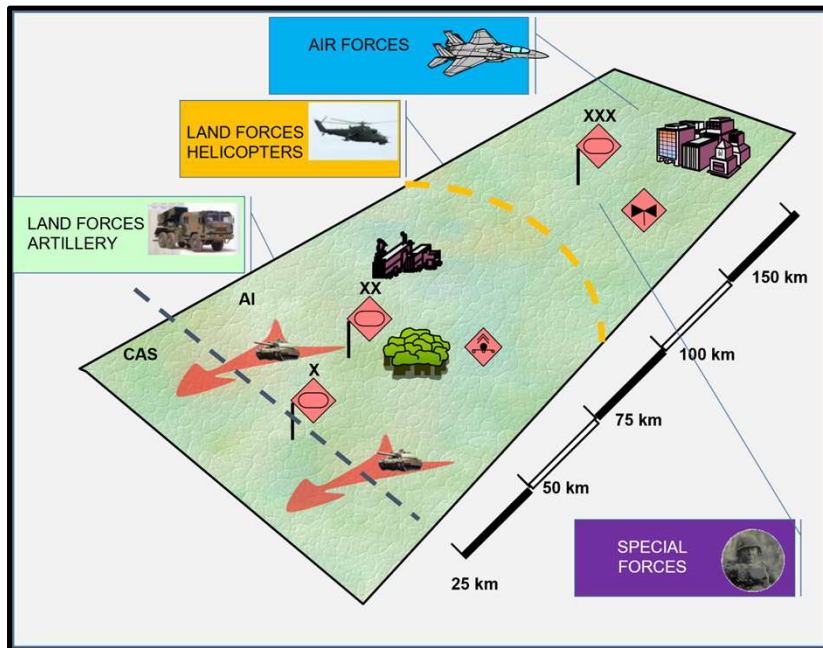


MULTI-DOMAIN OPS

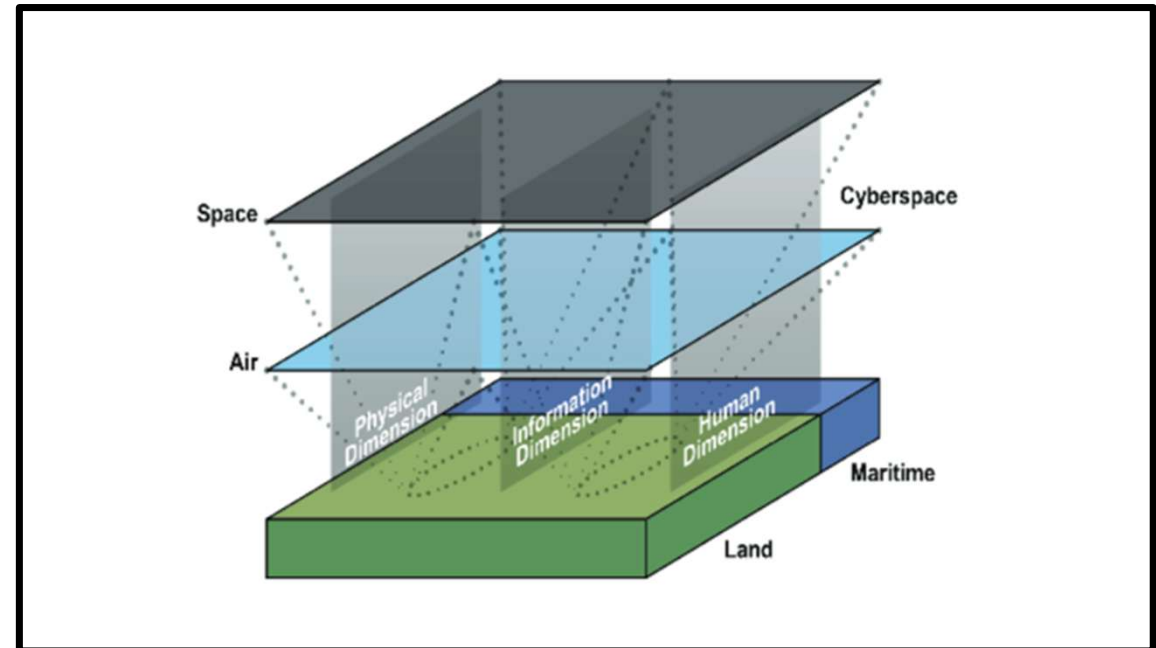
According to contemporary experts, also from the PAFU and the General Command of the Polish Armed Forces - the term of MULTI-DOMAIN OPS, existing in contemporary world and it is characterized by the following factors: - widespread use of AI, autonomy and biotechnology across manned and unmanned components 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



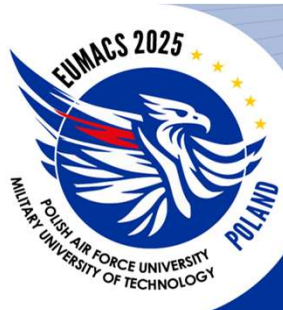
THE MAIN SUBJECT

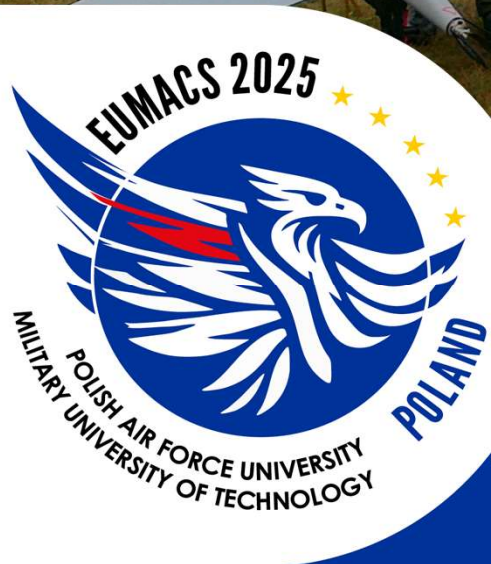
The main idea of our conference panel is to discuss the use of Air Power in hybrid operations in the light of the nature of **Multi-Domain Operations**.

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 EUAFAC, CC, are encouraged to take part in the discussion by presenting their views on the issue of using Air Power in hybrid OPS.





Thank you for your attention

/Col/ Navigator Tomasz GUGAŁA, PhD Eng.