



Source: https://www.brueckenkopf-online.com/2016/albino-raven-miniatures-exoskeleton-rhino/

Colonel Assoc. Prof. Harald GELL, PhD, MSc, MSD, MBA Chairman of the Military Erasmus (EMILYO) Implementation Group



It is all about the ...

European Initiative for the exchange of young officers inspired by Erasmus and potential transformation of activities to EUMSSF

> Implementation Group

Colonel Assoc. Prof. Harald GELL, PhD, MSc, MSD, MBA Chairman of the Military Erasmus (EMILYO) Implementation Group

EMILYO

The

Initiative

Future EU

Military Officer

www.emilyo.eu



Military

Erasmus

Erasmus

Militaire



Contents of the Briefing

How	and why the Initiative began?
Who	is involved in the Initiative?
What	are we doing?
Cui bono?	Who benefits what?
Future	developments







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Aim How?

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Information about the work of the Implementation Group (IG) "European Initiative for the exchange of young officers inspired by Erasmus"

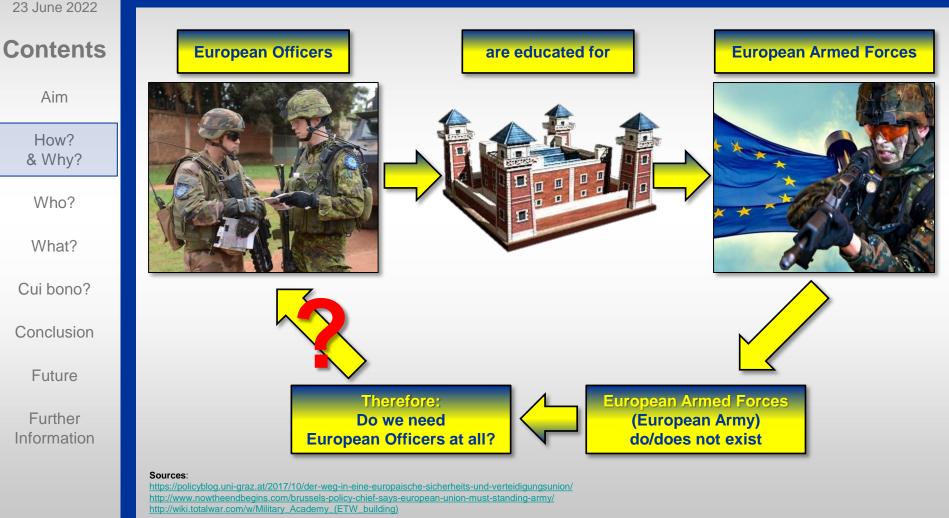
- in order to reach the common goal (issued by all EU Ministers of Defence)
- to prepare future EU-Officers best.

The EMILYO avenues of approach could also be used as ideas for EUMSSF



Provocative Question:

Do we need an EU strategic Approach at all?



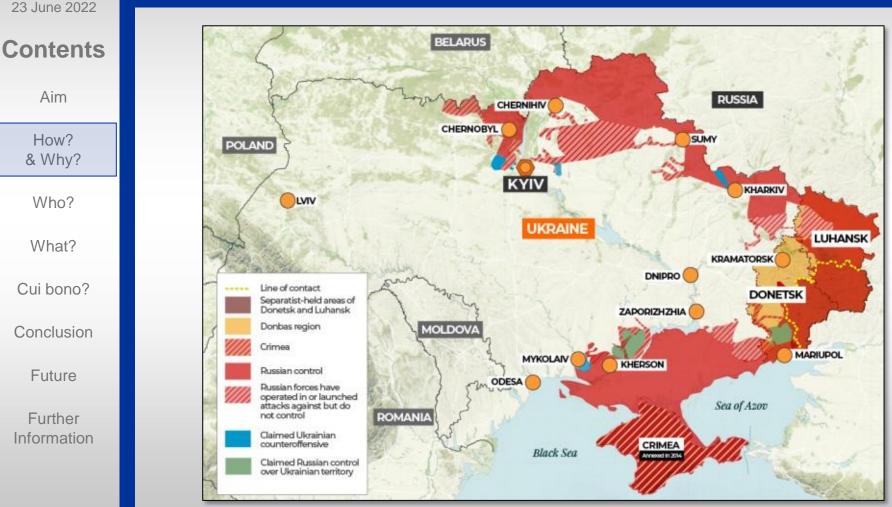
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Source: https://www.aljazeera.com/news/2022/3/25/european-union-tells-russia-to-stop-war-crimes-ukraine-liveblog. [19-6-22].

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EUROPEAN SECURITY AND

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Fast Reactions

of the European Union in 2022

23 June 2022				
Contents	Date	Who	What	
Aim	24 Feb	European Council	Condemnation of the AttackCoordination with NATO & G7	
How? & Why?	25 Feb	Council of the EU	Bundle of sanctionsSupport to Ukraine	
Who?	27 Feb	Council of the EU	Mechanism for refugees	
What? Cui bono?	27 Feb	Council of the EU	Support to Ukrainian Armed ForcesFurther sanctions	
Conclusion	28 Feb	Council of the EU	 € 500 millions support for UAF for weapons (EU: first financial support) Further sanctions 	
Further	21 Mar	Council of the EU	 EU Rapid Deployment Capacity (5,000 troops) 	
	Until today	Different configurations	 Further sanctions against Russia Further support to Ukraine (billions of €) 	



Roadmap EU Rapid Deployment Capacity



Sourcehttps://www.eeas.europa.eu/sites/default/files/2022-03-21_eu-rapid-deployment-capacity.pdf. [19-6-22].

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How it began (Nov. 2008) → Declaration of EU MoDs



Establish an Implementation Group (IG) for the *"European initiative for the exchange of young officers inspired by Erasmus"*

Goals: Increase interoperability & "harmonise" EU Basic Officer Education – thus, promote a "European Security and Defence Culture"

Source: Council of the European Union, Council Conclusions on the ESDP, 2903rd External Relations Council Meeting. Brussels. 10th and 11th November, 2008.

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How it began ESS (2003) & Report on ESS (2008)



RURAK, 1st June, 2012, Wroclaw: "The most dangerous threat is the one, which we have not recognized so far. Because of that we are not able to confront with, that's why it will hit us completely unprepared"

Organised crime Cyber security Energy Security

Climate change

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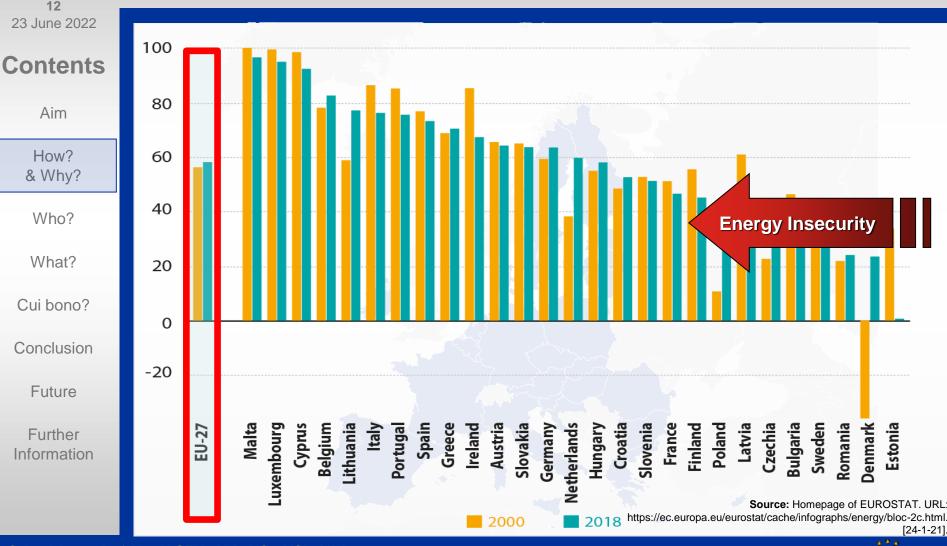
???



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Meanwhile (May 2022): 54th IG meeting (quarterly basis)

How it began First & latest Meeting of the Implementation Group



February 2009: 1st IG meeting



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14 23 June 2022 Executive Academic Coherence Contents Board EUROPEAN SECURITY AND ESD DEFENCE COLLEGE **COLLÈGE EUROPÉEN DI** Aim osep Head of Management How? Borrel the ESDC Support SÉCURITÉ ET DE DÉFENSE & Why? Steering Coordination **European External Action** Who? Committee Direction Service (EEAS) "EU Ministry of Foreign Affairs" **EUMSSF** What? WGMOT CSDP Implementation Group EAB.SSR **CMPD** Cui bono? DocSch XY XY **Basic Officer Education Crisis Management and** SQF-MILOF EAB.Cyber Institutions' Representatives **Planning Directorate** Conclusion WG platform **National Representatives Future** ~ 27 EU Member States + 1 Assoc. Member Further ~ 65 EU Basic Officer Education Institutions Information Air **Military Force charged with Militarised Police Force** Navy Medical Army **Technical** Force Police Duties (e.g.: Carabinieri) (e.g.: Guardia di Finanza)

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Lines of Development – Overview

23 June 2022				
Contonto	LoD No.	LoD Name	Solved	On-going
Contents	1	System of Equivalences		Phi a t
Aim	2	Development of Competences		\mathbf{X}
How?	3	Development of IDL/e-learning		X
& Why?	4	Create an IT-Platform (<u>www.emilyo.eu</u>)		
Who?	5	(Legal) Framework		
VV110 !	6	Strategic Communication		X
What?	7	Financing the Initiative		×
Cui bono?	8	Common Modules		X
	9	Future Projects		X
Conclusion	10	Gender Mainstreaming		X
Future	11	International Naval Semester		×
Further	12	International Air Force Semester		X
Information	13	International Technical Semester		×
	14	Research & Development		\mathbf{X}
	15	International Medical Semester		X

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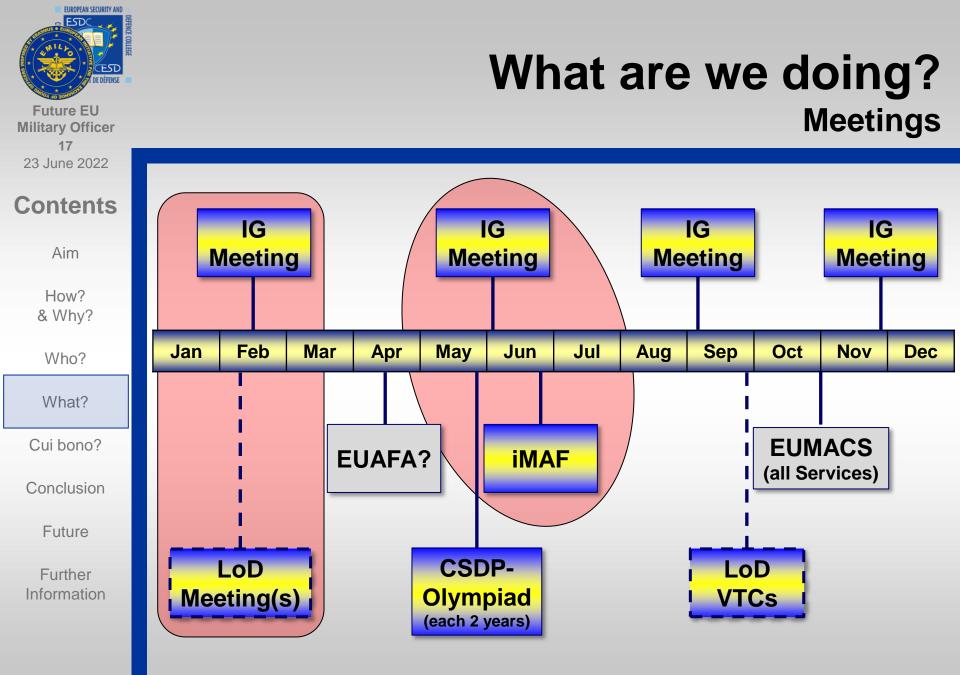
Further Information

What are we doing? Lines of Development – Chairpersons

No. LoD Name BOEI Chairperson 1 System of Equivalences 2 **Development of Competences** Capt (N) Assoc. Prof. DIMITROV Nedko, PhD **BG-NVNA** 3 **Development of e-learning** 4 Create an IT-Platform Assoc. Prof. KARADIMAS Nikolaos V., PhD **GR-HAA** 5 (Legal) Framework 6 **CY-CSDA Strategic Communication** Maj CHRISTOFOROU Christoforos 7 **Financing the Initiative** LtCol MACHADO Paulo, MSc PT-PMA 8 **Common Modules** LtCol SPINELLO Enrico **IT-SAMS** 9 **Future Projects** Assoc. Prof. WINCEWICZ-BOSY Marta, PhD **PL-AWL** 10 **Gender Mainstreaming** Col Assoc. Prof. ATANASOVA-KRASTEVA Nevena, PhD **BG-NDU** 11 International Naval Semester Col Assoc. Prof. POPA Catalin **RO-NA** 12 International Air Force Semester Assist. Prof. KARAMPELAS Panagiotis, PhD **GR-HAFA** 13 International Technical Semester Capt-Cdr Assoc. Prof. Eng. MOLDOVEANU Cristian Emil, PhD **RO-MTA** 14 **Research & Development** Assoc. Prof. TEMPLALEXIS Ioannis, PhD **GR-HAFA** GR-15 International Medical Semester LtCol KAZAKIS Ioannis, DVM **HMACSO**

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What are we doing? Achievements → Lines of Development

LoD No. Solved LoD Name **On-going** Contents System of Equivalences \mathbf{N} 1 2 **Development of Competences** \mathbf{N} X Aim 3 **Development of IDL/e-learning** $\mathbf{\nabla}$ X How? 4 Create an IT-Platform (www.emilyo.eu) \mathbf{N} & Why? 5 \mathbf{N} (Legal) Framework Who? 6 $\mathbf{\nabla}$ **Strategic Communication** X 7 $\mathbf{\nabla}$ X **Financing the Initiative** What? 8 **Common Modules** $\mathbf{\nabla}$ X Cui bono? 9 $\mathbf{\nabla}$ **Future Projects** X 10 **Gender Mainstreaming** \mathbf{N} X Conclusion 11 $\mathbf{\Lambda}$ X International Naval Semester **Euture** 12 \mathbf{N} International Air Force Semester X 13 \mathbf{N} X International Technical Semester Further Information 14 X **Research & Development** International Medical Semester 15 X





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Basic Documents:

LoD 2 & 8 Council Recommendations on EQF 2017 06 15.pdf

LoD 8 Common Modules Database 2020 11 17.xls

2021 08 28 Common Modules overview

Below you can find module descriptions of Common Modules

CM Advanced Tech in Border Surveillance 2017 07 24.pdf

CM Aviation English for ICAO LPR 2017 07 24.pdf

CM Aviation English P1 2017 07 24.pdf

CM Aviation English P2 2017 07 24.pdf

CM Battle Physical, Mental and Survival Training 2014 08 28.pdf

CM Biosafety and Bioterrorism 2019 09 04 .pdf

CM Budget & Finance 2021 06 11.pdf

CM Close Quarter Battle 2020 11 17.pdf

d CM CMO_PSO A_B_C_D 2014 09 26.pdf

CM Common Operating Environment 2014 08 28.pdf

d CM CSDP 2015 11 29.pdf

+ ESDC e-learning!

All the learning material

- e-books
- e-learning
- ppt-slides
- tests
- etc.
- is already elaborated and can be used for free

2021 02 26 Procedure to receive the SPP material.pdf

2021 02 26 SPP Request Form.doc

CM Basic Military English 2016 12 21.pdf

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LoD No. Solved **LoD Name On-going** Contents System of Equivalences \mathbf{N} 1 2 **Development of Competences** \mathbf{N} X Aim 3 **Development of IDL/e-learning** $\mathbf{\nabla}$ X How? 4 Create an IT-Platform (www.emilyo.eu) \mathbf{N} & Why? 5 \mathbf{N} (Legal) Framework Who? 6 **Strategic Communication** $\mathbf{\nabla}$ X 7 $\mathbf{\nabla}$ X **Financing the Initiative** What? 8 **Common Modules** $\mathbf{\nabla}$ X Cui bono? 9 $\mathbf{\nabla}$ **Future Projects** X 10 **Gender Mainstreaming** \mathbf{N} X Conclusion 11 $\mathbf{\Lambda}$ X International Naval Semester **Euture** 12 \mathbf{N} International Air Force Semester X $\mathbf{\Lambda}$ 13 X International Technical Semester Further Information 14 X **Research & Development** International Medical Semester 15 X

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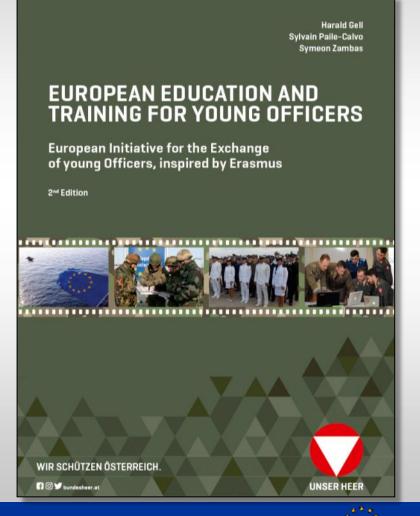
Future

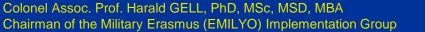
Further Information

What are we doing? Achievements → Lines of Development

Information to / during

- EUMC (your ChoDs) 🛛 🗲 🗲
- Defence Policy Directors
- annual letter to Commandants & Superintendents
- EUMACSs (all services)
- iMAFs (all services)
- CSDP Olympiads
- other conferences (e.g.: EUAFA)
- bilateral basis on request
- European Parliament
 - ... publications 🔶 🏓







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LoD No. Solved **LoD Name On-going** Contents System of Equivalences \mathbf{N} 1 2 **Development of Competences** \mathbf{N} X Aim 3 **Development of IDL/e-learning** $\mathbf{\nabla}$ X How? 4 Create an IT-Platform (www.emilyo.eu) \mathbf{N} & Why? 5 \mathbf{N} (Legal) Framework Who? 6 $\mathbf{\nabla}$ **Strategic Communication** X 7 **Financing the Initiative** $\overline{\mathbf{N}}$ X What? 8 **Common Modules** $\mathbf{\nabla}$ X Cui bono? 9 $\mathbf{\nabla}$ **Future Projects** X 10 **Gender Mainstreaming** \mathbf{N} X Conclusion 11 $\mathbf{\Lambda}$ X International Naval Semester **Euture** 12 \mathbf{N} International Air Force Semester X 13 \mathbf{N} X International Technical Semester Further Information 14 X **Research & Development** International Medical Semester 15 X





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Achievements -> Lines of Development

How to finance?

- ERASMUS+ exchange rules (cadets, lecturers, staff)
- ERASMUS+ Strategic Partnership Projects
- LoD 5 Framework
 - developed by lawyers
 - just 10+2 countries opted in
- iMAF 2016
 - book (how to use external funds) \rightarrow \rightarrow
- ESDC co-financing
- Institutions' (military) budget



iMAF 2016

Tomasz SMAL, Marcin BIELEWICZ

Modeling new forms of cooperation with the use of external funds

General Tadeusz Kosciuszko Military Academy of Land Forces Włociaw





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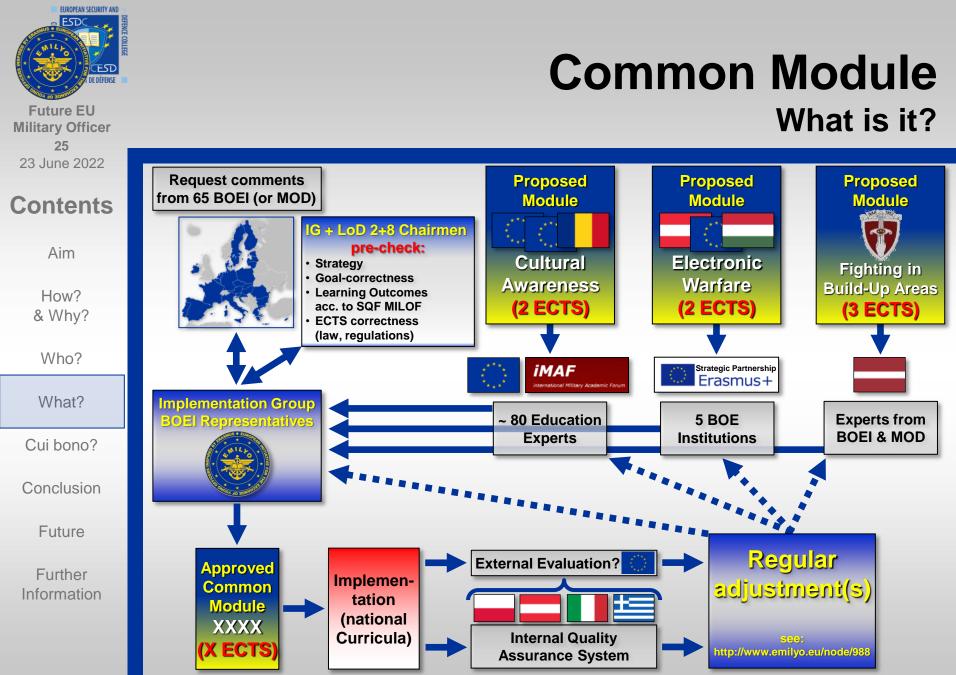
What are we doing?

Achievements -> Lines of Development

23 June 2022	-			
Contonto	LoD No.	LoD Name	Solved	On-going
Contents	1	System of Equivalences	V	
Aim	2	Development of Competences		X
	3	Development of IDL/e-learning		X
How? & Why?	4	Create an IT-Platform (<u>www.emilyo.eu</u>)		
	5	(Legal) Framework		
Who?	6	Strategic Communication		X
What?	7	Financing the Initiative		×
	8	Common Modules (http://www.emilyo.eu/node/988)		X
Cui bono?	9	Future Projects		X
Conclusion	10	Gender Mainstreaming		×
	11	International Naval Semester		×
Future	12	International Air Force Semester		×
Further	13	International Technical Semester		×
Information	14	Research & Development		X
	15	International Medical Semester		X

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What are we doing?

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20		
23 June 2022	Common Module	ECTS
	Advanced Technologies in Borders Surveillance	2
Contonto	Aviation English for ICAO LPR	3
Contents	Aviation English P1	3
	Aviation English P2	3
Aim	Basic Military English	2
	Battle Physical, Mental and Survival Training	3
	Biosafety and Bioterrorism	2
How?	Budget & Finance in EU Defence	2
& Why?	Close Quarter Battle	3
	Common Operating Environment	3
Who?	Common Security and Defence Policy	2
	Comprehensive Approach	4
	CMO/PSO (4 Sub-Modules [A, B, C, D])	12
What?	Crisis Management (Military Leadership) – IMLA	2
	Cross Cultural Communication	2
Cui bono?	CSDP-Olympiad	2
	Cultural Awareness	2
	Cyber Security	2
Conclusion	Defence and Security Economics	4
	Digital Leadership	3
Future	Electronic Warfare	2
i ditare	English for Aircraft Maintenance SET P1	3
	English for Aircraft Maintenance SET P2	3
Further	English for Aircraft Maintenance SET P3	3
Information	English for Aviation Security Personnel	3
	Fighting In Built Up Area	3
	Gender Perspectives in Security and Defence	2
	How to meet the Media	2

Common Module	ECTS
IMINT-GEOINT Analysis Course	2
Individual Personal Development and Meta-Communication	2
Interoperability	6
Irregular Warfare	3
Law of Armed Conflict	2
Leadership & Agility in Complex Environments	2
Leadership in Communication – IMLA	2
Leadership, Motivation and Influence – IMLA	2
Maritime Leadership	2
Maritime Security	2
Military Ethics (A)	2
Military Ethics (B)	2
Military Instructor Training	3
Military Leadership (A)	2
Military Leadership (B)	2
Military Leadership (C)	4
Military Strategy and Security in the Baltic Sea Region	3
Senior Cadets' Seminar on Leadership	1.5
Small Unit Tactics	4
Social Engineering Protection	2
Space Applications for Security and Defence	2
Stress Management – IMLA	2
Troop Leading Procedures	1
Technologies in Cyber Security	2
Unmanned Aerial Systems	2
Winter Warfare Basic Module	2
(NCN/Intern) Aerospace Technology (PL / MUT)	(8)
(NCM/Intern) Armament and Missile Technology (PL / MUT)	(8)
Total: 54	143.5

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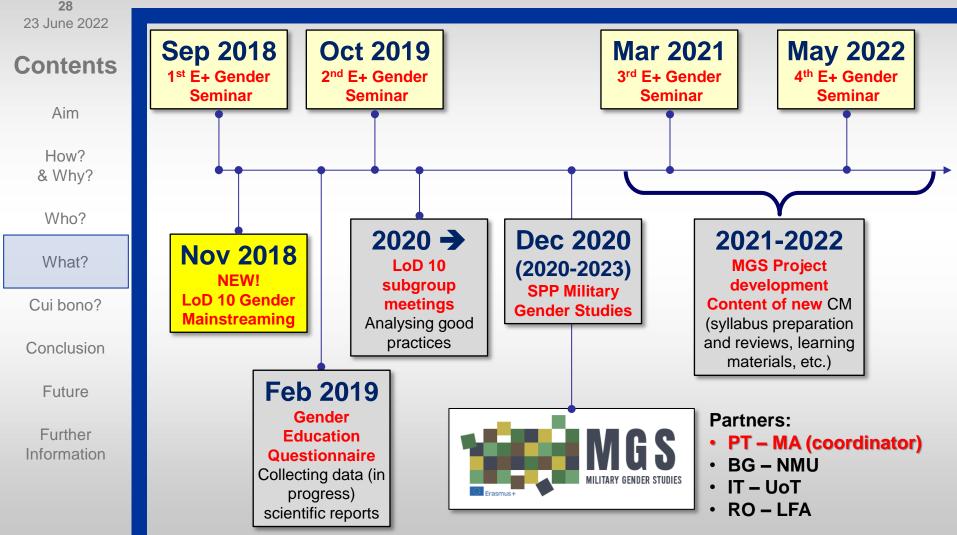
What are we doing? Achievements → Lines of Development

LoD No. Solved **LoD Name On-going** Contents System of Equivalences \mathbf{N} 1 2 **Development of Competences** \mathbf{N} X Aim 3 **Development of IDL/e-learning** $\mathbf{\nabla}$ \mathbf{X} How? 4 Create an IT-Platform (www.emilyo.eu) \mathbf{N} & Why? 5 \mathbf{N} (Legal) Framework Who? 6 $\mathbf{\nabla}$ **Strategic Communication** X 7 $\mathbf{\nabla}$ X **Financing the Initiative** What? 8 **Common Modules** $\mathbf{\nabla}$ X Cui bono? 9 $\mathbf{\nabla}$ **Future Projects** X 10 **Gender Mainstreaming** \mathbf{N} X Conclusion 11 $\mathbf{\Lambda}$ X International Naval Semester **Euture** 12 \mathbf{N} International Air Force Semester X $\mathbf{\nabla}$ 13 X International Technical Semester Further Information 14 X **Research & Development** International Medical Semester 15 X



What are we doing?

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Achievements	s 🗲 Li	nes of Development
INTERNATIONAL NAVAL SEMESTER	ECTS	
ENGLISH NAVAL TERMINOLOGY	2	
NAVAL SENSORS	2	
NAVAL ELECTRONICS	2	
OCEANOGRAPHY	2	
MARITIME SECURITY	2	
NAVALARCHITECTURE	4	PROVEN
NAVAL POWER PLANTS	2	
NAVAL LEADERSHIP	2	NOVED
NAVAL COMMUNICATIONS	2	APPRUVLD
NAVAL COMPUTER NETWORK	2	
NAVAL CYBER THREATS	4	
(RESILIENCE+SECURITY)	4	CPRU
MILITARY LEADERSHIP C (PHYSICAL TRAINING)	2 + 2	
	30	

EXTRA WORK	ECTS
NAVALARCHITECTURE	2
NAVAL POWER PLANTS	2
NAVAL SENSORS	2
	6



What are we doing?

Idea: 12 new common modules

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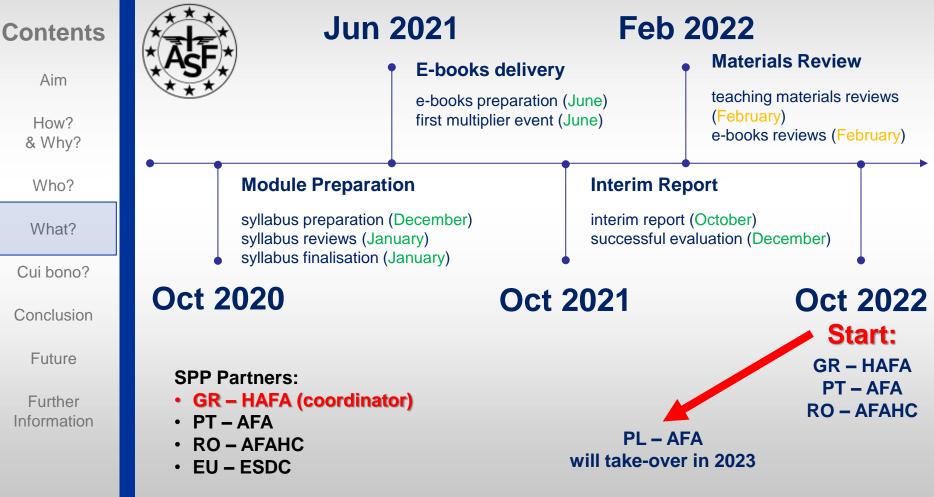
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23 June 2022				1
Contonto	LoD No.	LoD Name	Solved	On-going
Contents	1	System of Equivalences	V	
Aim	2	Development of Competences	V	X
	3	Development of IDL/e-learning	V	\mathbf{X}
How? & Why?	4	Create an IT-Platform (<u>www.emilyo.eu</u>)	V	
G. 111.j I	5	(Legal) Framework	V	
Who?	6	Strategic Communication	V	X
What?	7	Financing the Initiative	\checkmark	X
	8	Common Modules	V	\mathbf{X}
Cui bono?	9	Future Projects	V	X
Conclusion	10	Gender Mainstreaming	V	\mathbf{X}
_	11	International Naval Semester	V	X
Future	12	International Air Force Semester		\mathbf{X}
Further	13	International Technical Semester	V	X
Information	14	Research & Development		X
	15	International Medical Semester		X







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Module name	ECTS	Resp.	Status (%)
Cyber Warfare	2	HAFA	96
Military Ethics	2	HAFA	96
Common Security & Defence Policy	2	HAFA	96
Space Applications for Security and Defence	2	HAFA	96
Aviation Meteorology	2	AFAHC	96
Flight & Ground Safety	2	PTAFA	96
Aviation English	4	AFAHC	96
Aerial Navigation	2	AFAHC	96
Avionics Systems	4	PTAFA	96
Propulsion Systems	2	PTAFA	96
Total	24		
National Requirements	6		

6 new common modules status as reported by IAFS partners end January 2022





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What are we doing? Achievements → Lines of Development

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Status **Module name ECTS** Resp. (%) **Applied Informatics** 3 5 MTA 3 5 Applied Automation for Eng. Systems 3 5 Integrated Weapon Systems FAFA 3 **CSDP** for Technical Systems 5 **Computer Networks** 3 5 Electronic 3 5 **Programming Languages** & IT **NMU** 3 5 Signal Processing option 3 5 **Microcontrollers** 3 **Propulsion Systems** 5 Mec. & 3 **Dynamic of Flight** 5 Aero. MUT 3 5 Mechanics and Material Science option 3 5 CAD and Numerical Analysis HAFA Interdisciplinary Scientific Project 6 0 Total 42

13 new common modules status as reported by $E_U CTS_{DS}$ partners mid April 2021



What are we doing?

Meetings/Projects dedicated to the Initiative (iMAF)



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What are we doing? Meetings dedicated to the Initiative (EUMACS)

23 June 2022 Contents All Services! Aim How? & Whv? Who? What? Cui bono? Conclusion **Euture** Further Information Last EUMACS:

27-28 May 2021 at the Portuguese Military Academy

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EUROPEAN SECURITY AND EUROPEAN SECURITY AND	Cui bono	?
23 June 2022		
Contents		
Aim	Why	
How?	Why we conduct this stupid exchanges ???	
& Why?	exchanges ???	
Who?		
What?		
Cui bono?		
Conclusion		
Future		
Further		
Information		
	Source: http://debeste.de/16253/Sch-leraustausch ; re-shaped by Col Gell	







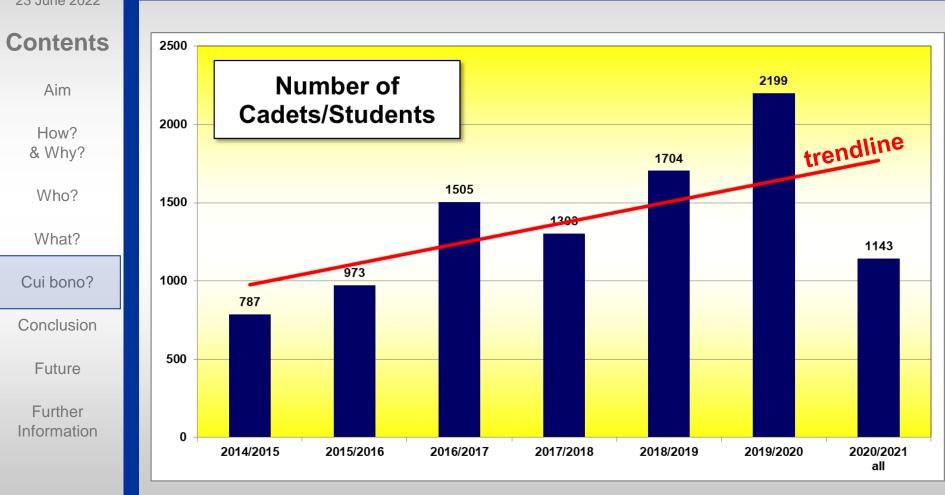
Colonel Assoc. Prof. Harald GELL, PhD, MSc, MSD, MBA Chairman of the Military Erasmus (EMILYO) Implementation Group



Study Year 2020/2021

Future EU Military Officer 40 23 June 2022

Events under the Umbrella of / connected to the IG



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Study Year 2020/2021

Events under the Umbrella of / connected to the IG Future EU **Military Officer** 41 23 June 2022 Contents 70000 Corona Aim 61640 Number of 60000 **Training Days** How? & Why? 50000 Who? 40000 What? 30000 Cui bono? 24360 23483 20000 17908 Conclusion **Future** 10000 7214 Further n/a n/a 0 Information 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021 all

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FUROPEAN SECURITY AN





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Cui bono?



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Based on a huge scientific Research (Habilitation)

The European Initiative

with its international activities

increases students'

(Officer Cadets' / future leaders')

skills & competencies

(special knowledge, personal development, metabolism, self-confidence ...)

Colonel Assoc. Prof. Harald GELL, PhD, MSc, MSD, MBA Chairman of the Military Erasmus (EMILYO) Implementation Group



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Future Intent (GAREA proposals)

- Return to prior pandemic mobilities for students, teachers and Staff as fast as possible, as long as the SARS-CoV-2-situation allows it.
 Develop in parallel online learning to keep the momentum and to provide pre-conditions of ERASMUS+ financial support for short students' mobilities.
- 2) Integrate the **SQF-MILOF** elaborations into the descriptions of existing and future common modules, wherever possible.
- 3) Develop clear guidelines for financial support of exchanges.
- 4) Finalisation and implementation of the **international semesters** starting with pilot projects (Air Force, Navy, Technical) and initiating elaborations on an international medical semester.
- 5) Develop clear guidelines for Basic Officer Education Institutions for the next **European Universities call** 2024.
- 6) Increase **Research & Development** activities and collaboration, not only among Basic Officer Education Institutions, but also with civilian universities.





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European Initiative

for the exchange of young officers inspired by Erasmus

The strategic goal – it is all about:

Strengthening a European Security and Defence Culture.

European Cadets should be convinced that the future challenges can only be managed together!

We need European Officers in Europe!

Colonel Assoc. Prof. Harald GELL, PhD, MSc, MSD, MBA Chairman of the Military Erasmus (EMILYO) Implementation Group





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Future EU-Officers

should be trained in

Common Security and Defence Policy

- "we must know: why to fight?"

- "we only can manage the threats/challenges together"

• EU-intercultural competences

– "know & trust the EU-others – even become friends"

Interoperability among EU armed forces

"train as you fight – fight as you train"

All can be achieved by exchanges



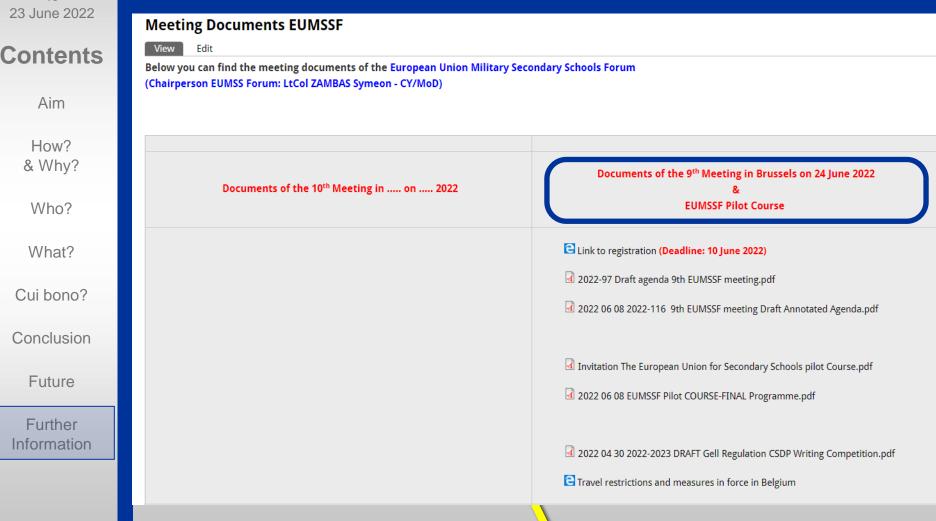


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