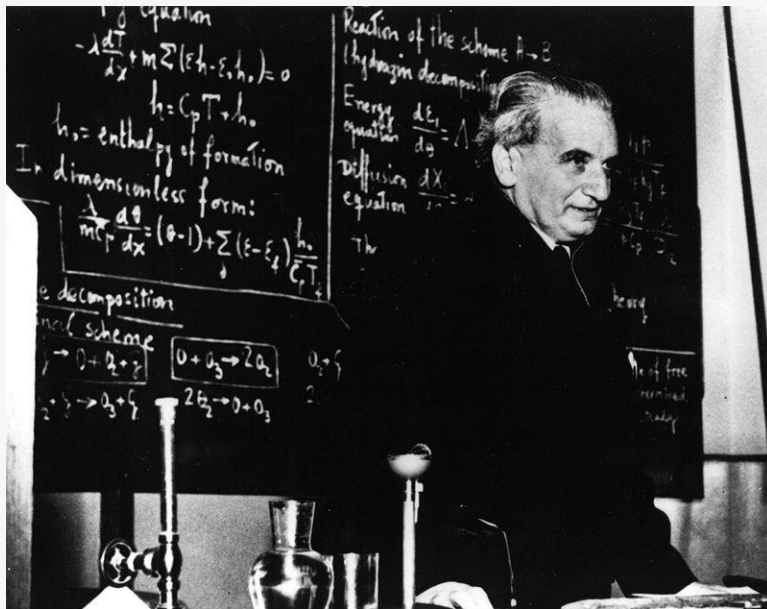


Science in Military Higher Education



“Scientific results cannot be used efficiently by soldiers who have no understanding of them, and scientists cannot produce results useful for warfare without an understanding of the operations.”

Theodore von Kármán (1881-1963)



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The European Defence Fund (EDF)

European Defence Fund





Summary of EDF

- The international projects are for National Accreditation Bureau for Higher Education **top level** when you are applying for accreditation. UoD has EDF running project.
- This should be the way how to apply for the international projects in the field of **defence and security**.
- The EUMACS community could be the part of consortia if they will share ideas and research capacity.
- **Organization workshop** under the umbrella of EMILYO family.



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NATO Science and Technology Organization



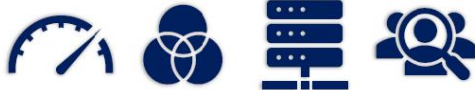


Summary of NATO STO

- NATO STO is a perfect instrument to collaborate together on the expert and research activities in the field of NATO interests.
- Brings many opportunities to meet people in the same area of expertise and also with addition to defence and security domain.
- The EMILYO LoD 14 - Research and Development should implement NATO STO as part of their agenda.



Emerging and Disruptive Technologies (EDTs)



A. Data



E. Space Technologies



B. Artificial Intelligence



F. Hypersonics



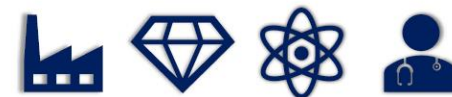
C. Autonomy



G. Biotechnology & Human Enhancement



D. Quantum Technologies



H. Novel Materials and Manufacturing



Summary of EDTs

- In this area we should use know-how and resources of civilian sector for development and adoption of dual-use technologies.
- EUMACS community should focus their R&D to the EDTs areas.
- The EMILYO LoD 14 - Research and Development should discuss more and inform member states about EDTs topic.



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International cooperation within R&D; with focus on projects and research fellowships



What can we do for R&D cooperation?

- To start and develop the cooperation is not the task of commanders/rectors, but those who are actually working on R&D in laboratory, departments, institutes or centres.
- EUMACS community could improve and cooperate on database of each nation to provide an detailed information about their R&D areas, facilities, PhD students topic, scientific journals, etc.
- Sharing in advance future activities such as scientific conferences or preparing scientific projects.
- Then we can find possible cooperation in international grads/projects such as EDF, Horizon Europe etc.



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Possible International Scientific Advisory Board at University of Defence (ISAB)



What and why ISAB?

- ISAB is an independent board composed of internationally acknowledged scientists (foreign names in research and development) who belong to the top in their fields.
- The applicant for a project funded from the EU cohesion funds is obliged to provide a high-quality and professional solution to the project through ISAB, which is to supervise and evaluate the quality and make professional recommendations (e.g. Horizon Europe projects).



ISAB Summary

- Increase international prestige.
- Stand up to international comparisons and confirm the role of an internationally visible "research university".
- Share scientific capacities of military universities.
- Recommend in the field of newly developed doctoral study programs.



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Thank you for your attention.