CINAMIL

Centro de Investigação, Inovação e Desenvolvimento da Academia Militar

José Borges

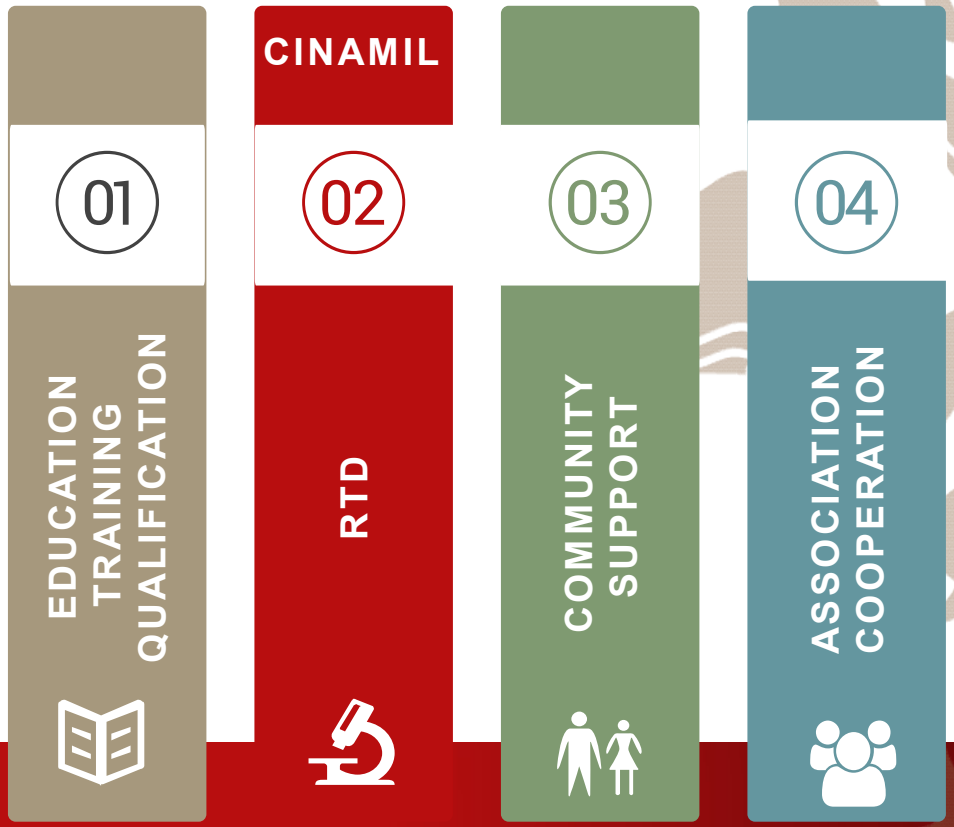
Academia Militar

Who we are

ACADEMIA MILITAR
MILITARY ACADEMY

MISSION

The Military Academy (AM) has the mission of training officers for the Army and the Republican National Guard (GNR), conferring the appropriate competencies to fulfil the missions of the Army and GNR and promote development of command, control, direction and leadership skills.



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MILITARY ACADEMY RESEARCH CENTER

SECURITY

DEFENCE

EXÉRCITO PORTUGAL



CINAMIL

The Portuguese reference Centre for
RTD in the areas of Defence and Security

Lines of Action

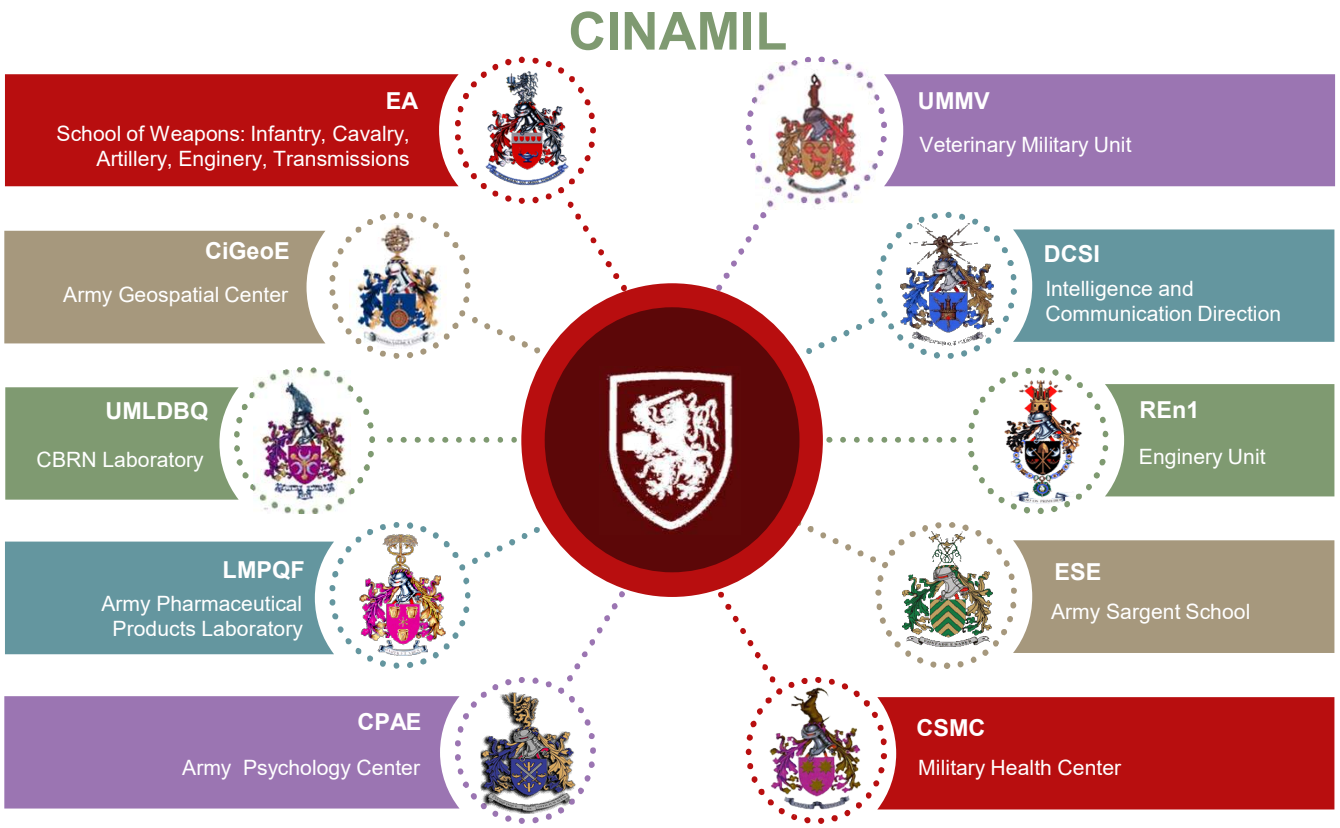
01 Contribute to the Portuguese Army and GNR capability development

02 Scientific production and knowledge development, in Defence and Security

03 R&D cooperation with national (SCTN, BTID) and international entities (NATO, EU, Others)

04 Promote Military Sciences and their integration into the Science and Technology Community

ASSOCIATED UNITS AND LABS



CORE DEVELOPMENT AREAS

OPTION 01
C2 systems
Tools for decision support, battle field management, field intelligence

OPTION 02
Cyber security & defense
Tools, methods, software systems for network protection

OPTION 03
Augmented reality
Devices and software to improve situational awareness

OPTION 04
Robotics
UAVs and UGV for operations support

OPTION 05
Sensors
Sensors systems for translational applications in military operations

OPTION 06
Soldier as a system
Sensors, weapons, energy, other systems for combat improving

OPTION 07
Energy scavenging
Systems and approaches to reduce energy dependencies in field

OPTION 08
Navigation systems
Systems/ approaches to reduce the dependencies of GPS or Galileo

OPTION 09
Enhanced Mobility
Systems to improve vehicle mobility in operations

OPTION 10
Leadership & History
New approaches for Leadership training; Military history and culture development

OPTION 11
Health in Operations
Sensors for physiological monitoring, new methods for health recovering during and after operations

OPTION 12
Military Logistics
New management systems and approaches for improving the military supply chain







UNITED STATES MILITARY ACADEMY
WEST POINT









































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PARTNERSHIPS



PARTNERSHIPS

Current activities

INVESTIGAÇÃO

39 projects sponsored by the Pt Army

Main areas (≥2 projects)

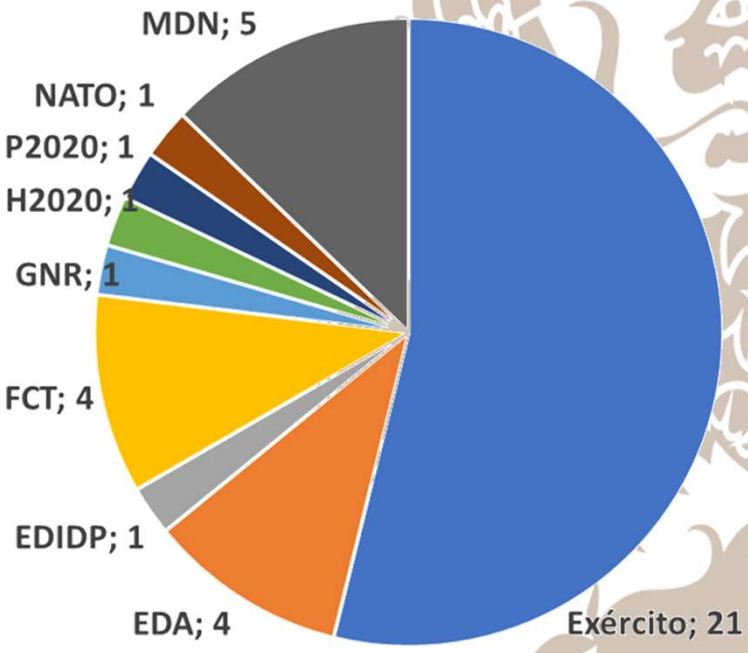
Balística & Materiais (4); CBRN (11), Cyber (6); Fisiologia (3); Liderança (3); Proteção de Infraestruturas (2); Veterinária (2)

Year 2019

Dotação do EME:	185.661,20€
Outras fontes:	100.132,62€

Year 2020

Dotação do EME:	148.791,20€
Outras fontes:	170.000,00€.



New projects (2020) (External financing)

EDA: Cyber (3) – 27.700,00€ / 2 anos

EDIDP: Cyber (1) – 171.076,19€ / 2 anos

FCT: CBRN (2) – 23.000,00€ / 6 meses

H2020: CBRN (1) – 208.000,00€ / 3 anos

NATO: CBRN (1) – 73.000,00€ / 3 anos

8 applications under assessment

P2020: Balística e Materiais (1); CBRN (1)

H2020: Segurança, Proteção civil & incêndios (3)

FCT: CBRN (1); CBRN (1); CCPI (1); CCPI & Materiais (2); Veterinária (1)

New Pt Army projects

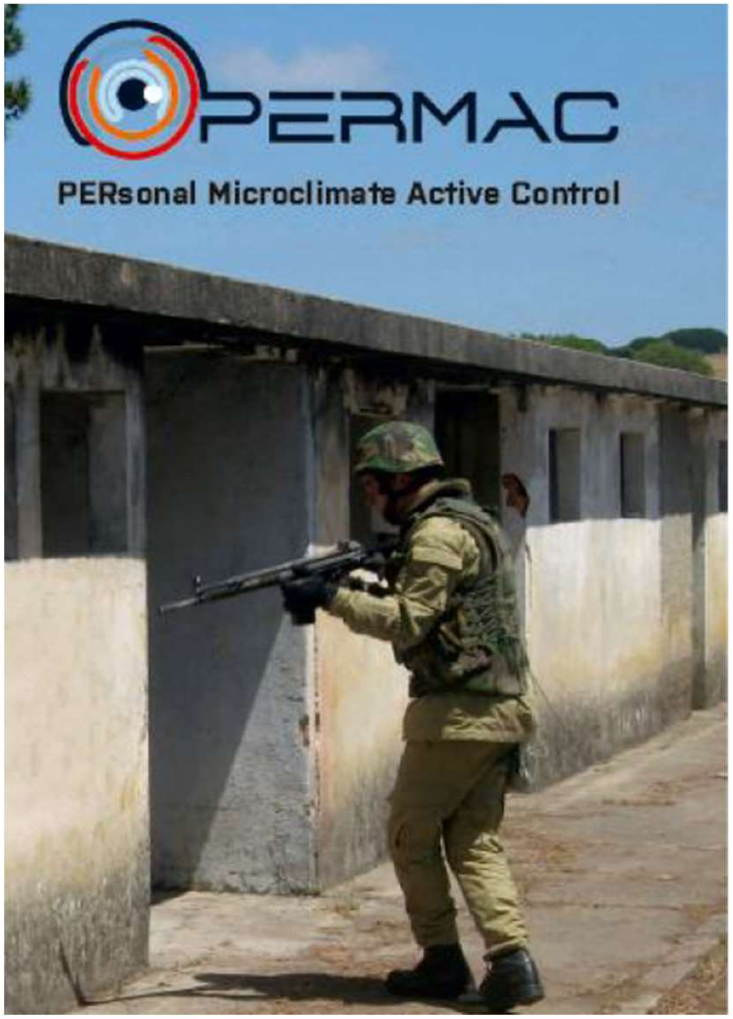
Liderança & Género (1); Liderança & Formação (1); Liderança, Resiliência & Formação (1); Fisiologia e Fadiga (1); Fisiologia e CBRN (1); CBRN (1); Gestão Energética (1); SIG (1); OSINT (1); Proteção de Infraestruturas (1)

Auto-financing

Balística e Materiais (1)

(some of) Our projects





- **Consórcio:**

activespace technologies
making space a global endeavour

citeve
TECNOLOGIA TÊXTIL

DAMEL

- **Financiamento**

COMPETE

QREN
QUADRO DE REFERÊNCIA ESTRATÉGICO NACIONAL

UNIÃO EUROPEIA
Fundo Europeu de Desenvolvimento Regional

EXÉRCITO

Sistemas de Combate do Soldado

- Sobrevivência: Fardamento e Sistemas de Carga -

citeve TEXTILE TECHNOLOGY

DAMEL

LAVORO Engineering Life

MONTE Campo

Riopele SINCE 1927

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AUXDEFENSE

MATERIAIS AVANÇADOS PARA A DEFESA







γ-AMMA-Ex



GOVERNO DE PORTUGAL
MINISTÉRIO DA DEFESA NACIONAL
DGRDN

Autonomous Monitoring unManned Aerial equipment for EXplosive environments

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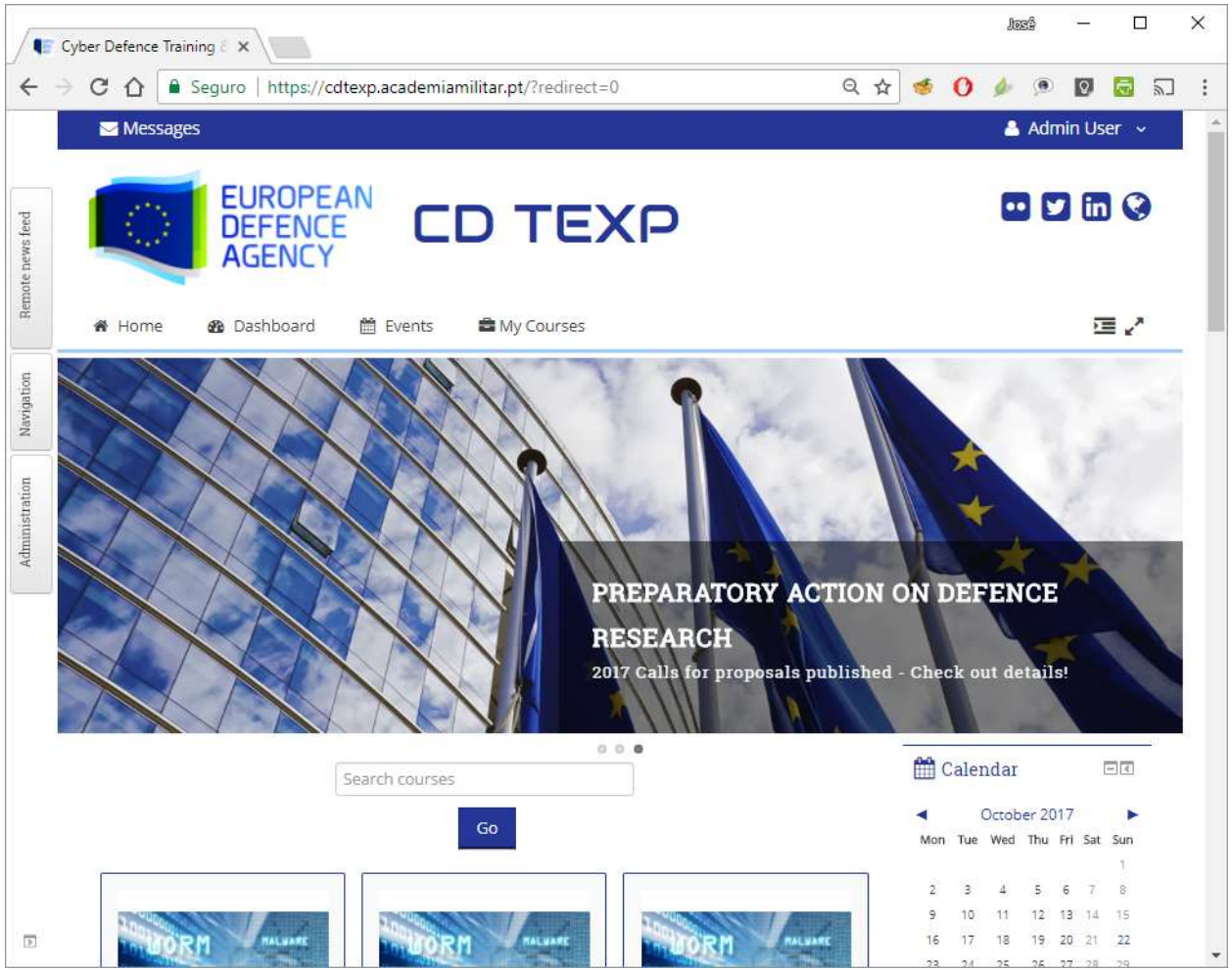
Battlefield Management System (BMS)
Emergency Mobile Mesh (EMM)
Design thinking - user experience first!
Interoperable through NATO Standards
HF and VHF data networks
CRITICAL
30UVB 90898 59633
30UVB 88976 44190
243 °T
inesc id
lisboa

EDA

E-Learning and Training in Cyber Defence



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