



World
Organisation
for Animal
Health
Founded as OIE

Organisation
mondiale
de la santé
animale
Fondée en tant qu'OIE

Organización
Mundial
de Sanidad
Animal
Fundada como OIE



Unmanned aerial vehicles

Joana Pita

**Captain Veterinary Doctor
Portuguese Army**



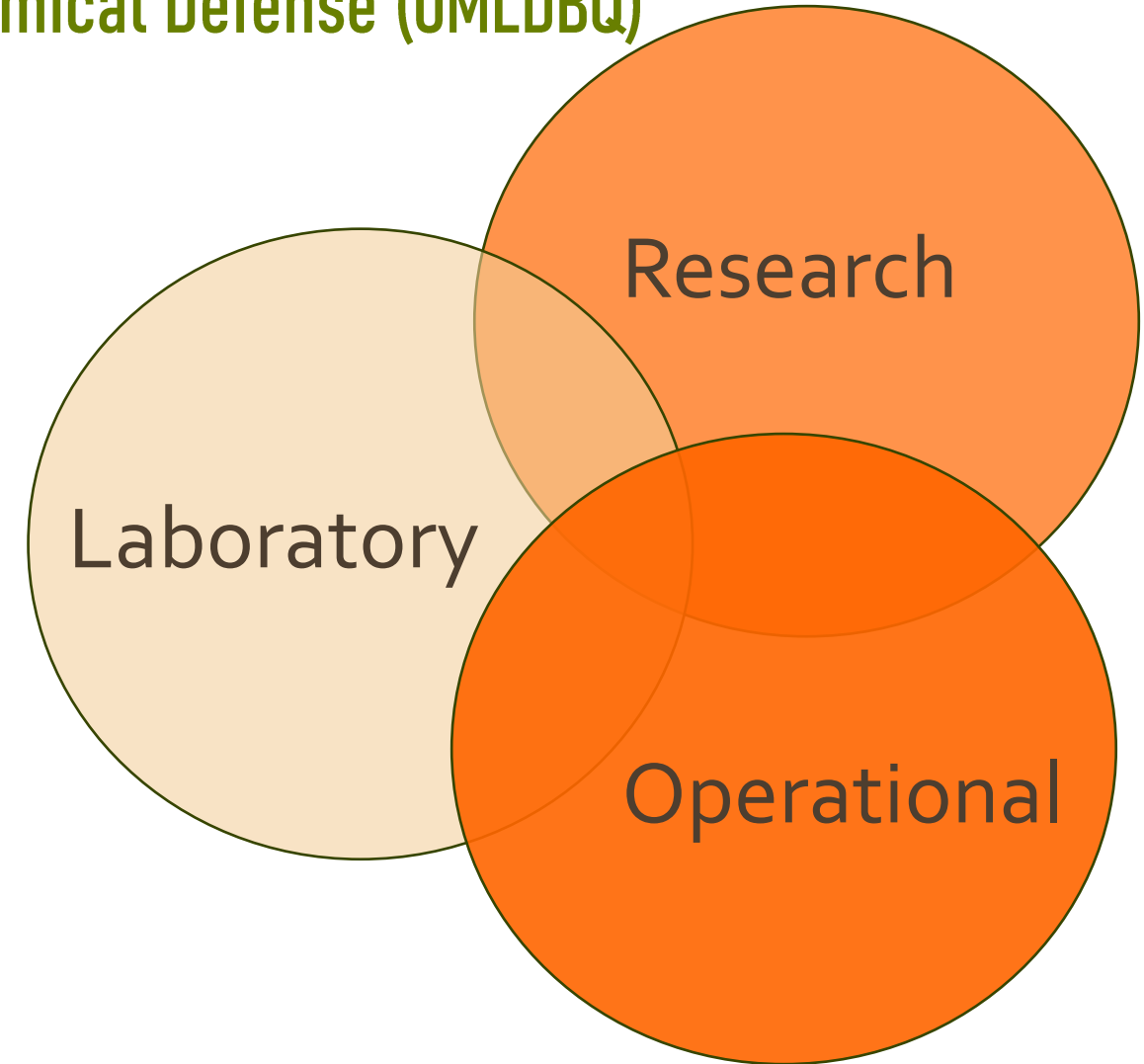
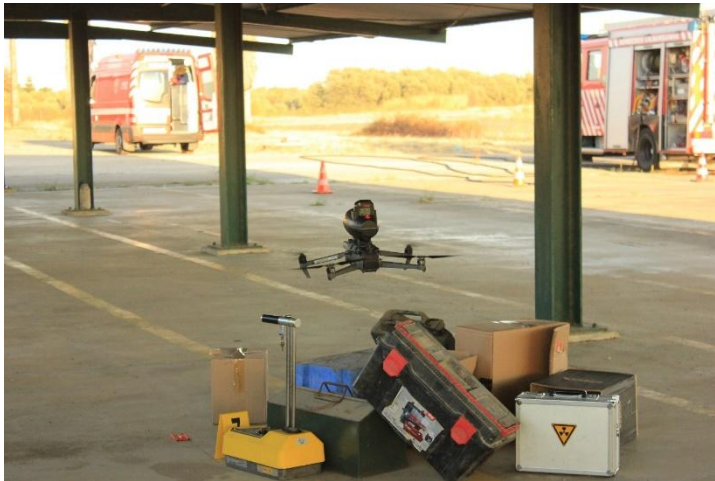


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Military Laboratory Unit for Biological and Chemical Defense (UMLDBQ)





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Unmanned aerial vehicles

Certification

Training



Critical component in the preparation of the Armed Forces to operate effectively in high-risk scenarios.



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Certification of remote pilots of unmanned aircraft

Visual line-of-sight operations with aircraft up to 15 kg

I a

Beyond visual line-of-sight operations with aircraft up to 15 kg

I b

Beyond visual line-of-sight operations with aircraft up to 150 kg

I c



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Detection

Surveillance

Reconnaissance

Mapping

Safety

Real-time transmission data



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Capabilities

Detection Identification

Remote **identification** of animals through thermal and optical camera
Detection of abnormal behavior or possible signs of disease
Essential for **monitoring** and controlling the spread of diseases.
Identification of unusual mortality clusters

Surveillance

Surveillance of wildlife populations through the combination of thermal imaging and transponder-based, allowing tracking movement patterns.



AI generated images



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Capabilities

Mapping

Mapping UAV's are used to generate high-resolution 3D maps and to detect specific areas of contamination and gives the precise location of animals/carcasses/contamination.

Real time transmission to support a decision-making and coordination

Support

Reconnaissance of High-Risk Areas ("Hot Zones"), enhancing operational safety before the team deployment.

Access to difficult or dangerous environments

Pre-deployment evaluation of the teams

Reconnaissance

Supports the field operations monitoring the sampling procedures and the decontamination and documents for later analysis



PANDORA GAMMAex Indoor-RAD



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Thank you



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