EUROPEAN DEFENCE FUND

EUROPEAN UNION

KOIOS

Knowledge Extraction, Machine Learning and other AI approaches for secure, robust, frugal, resilient and explainable solutions in Defence Applications

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2021

CALL TITLE:	**Artificial intelligence**
TOPIC TITLE:	**Frugal learning for rapid adaptation of AI systems**
DURATION OF THE PROJECT:	**36 months**
TYPE(S) OF ACTIVITIES:	Generating knowledge; Integrating knowledge; Studies
ESTIMATED TOTAL COST:	€ 9,989,713.00
MAXIMUM EU CONTRIBUTION :	€ 9,989,713.00

SHORT DESCRIPTION OF THE PROJECT:

KOIOS will seek to improve AI for military applications, spanning simulation, use-cases, metrics, and real world experiments.

The project "Knowledge Extraction, Machine Learning and other AI approaches for secure, robust, frugal, resilient and explainable solutions in Defence Applications" (KOIOS) will be developed around four main outputs (Simulation framework with performance computing capabilities and reduced complexity; Identification and development of use cases; Definition of a metrics specifically designed for measuring frugality, robustness, resilience; and Development of experiments built on a common protocol ensuring their reproducibility) for enhanced AI usage in defence applications.

@defis_eu

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
CT INGENIEROS AERONAUTICOS DE AUTOMOCION E INDUSTRIALES SL (Coordinator)	Spain
APPLIED INTELLIGENCE ANALYTICS	Ireland
BARCELONA SUPERCOMPUTING CENTRE- CENTRO NACIONAL DE SUPERCOMPUTACION	Spain
FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS	Greece
LABORATOIRE NATIONAL DE METROLOGIE ET D'ESSAIS	France
MITIGA SOLUTIONS SL	Spain
NTT DATA SPAIN	Spain
OFFICE NATIONAL D'ETUDES DE RECHERCHES AEROSPATIALES	France
STICHTING MARITIEM RESEARCH INSTITUUT NEDERLAND	Netherlands
TECHNISCHE UNIVERSITEIT EINDHOVEN	Netherlands
TOTALFORSVARETS FORSKNINGSINSTITUT	Sweden
UNIVERSITA DEGLI STUDI DI BERGAMO	Italy
UNIVERSITAET DER BUNDESWEHR MUENCHEN	Germany
VOCAPIA	France