

# FESPAN

## Forecasting Electromagnetic Signal Propagation Anomalies

### SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2023

**CALL TITLE:**

Research actions for advanced passive and active sensors

**TOPIC TITLE:**

Electromagnetic signal propagation

**DURATION OF THE PROJECT:**

36 months

**TYPE(S) OF ACTIVITIES:**

Generating knowledge, Integrating knowledge, Studies, Design

**ESTIMATED TOTAL COST:**

€ 21,681,521.97

**MAXIMUM EU CONTRIBUTION :**

€ 21,681,521.97



### SHORT DESCRIPTION OF THE PROJECT:

FESPAN will design and develop a unique Electromagnetic Signal Propagation (EMSP) modelling platform which incorporates novel environmental and EMSP models (including hypersonic signature) as modules.

FESPAN will improve the future situational awareness capabilities of the European defence at tactical and operational levels by contributing to the development of use cases and requirements for the future tactical decision-making aid. The work carried out in FESPAN will pave the way for the study and the development of novel signal analysis and processing capabilities.



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**Members of the consortium and  
country of establishment:**



 <b>NAME</b> OF THE ENTITY	 <b>COUNTRY</b>
TEKNOLOGIAN TUTKIMUSKESKUS VTT OY	Finland
AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH	Austria
COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	France
CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE TELECOMUNICAZIONI	Italy
ELETTRONICA SPA	Italy
FONDAZIONE LINKS - LEADING INNOVATION & KNOWLEDGE FOR SOCIETY	Italy
FORSVARETS FORSKNINGINSTITUTT	Norway
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	Germany
FREE SPACE SRL	Italy
HENSOLDT SENSORS GMBH	Germany
ILMATIETEEN LAITOS	Finland
INSTITUT FRANCO-ALLEMAND DE RECHERCHES DE SAINT LOUIS	France
LULEA TEKNISKA UNIVERSITET	Sweden
NAVAL GROUP	France
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO	The Netherlands

**Members of the consortium and  
country of establishment:**



 <b>NAME</b> OF THE ENTITY	 <b>COUNTRY</b>
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES	France
POLITECHNIKA WARSZAWSKA	Poland
QAMCOM RESEARCH AND TECHNOLOGY AB	Sweden
REAKTOR INNOVATIONS OY	Finland
TERMA AS	Denmark
THALES SIX GTS FRANCE SAS	France
TOTALFORSVARETS FORSKNING SINSTITUT	Sweden
UPPSALA UNIVERSITET	Sweden

