

# EUROPEAN DEFENCE FUND (EDF): INNOVATION FÜR DIE EUROPÄISCHE VERTEIDIGUNGSINDUSTRIE

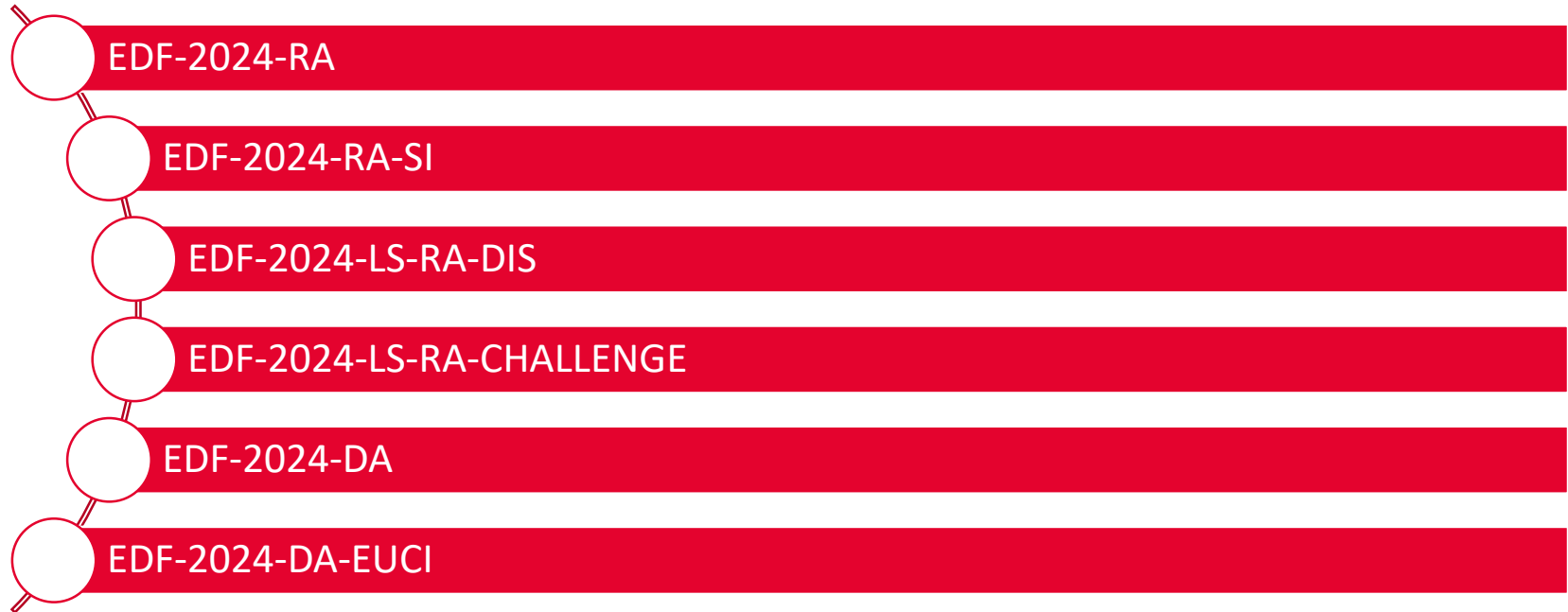
Thomas LEITHNER | National Focal Point EDF  
25.04.2024 | Online

# DIE AUSSCHREIBUNGEN 2024

# EDF CATEGORIES OF ACTION

Defence medical support & CBRN 	Information superiority 	Advanced passive & active sensors 	Cyber 	Space 	Digital transformation 
Materials and components 	Energy resilience & environmental transition 	Air combat 	Air and missile defence 	Ground combat 	Force protection and mobility 
Naval combat 	Underwater warfare 	Simulation and training 	Disruptive technologies 	Open calls for SME and RTO 	

# AUSZUG AUS DEM EDF ARBEITSPROGRAMM FÜR 2024 CALL FOR PROPOSALS



# AUSZUG AUS DEM EDF ARBEITSPROGRAMM FÜR 2024 CALL FOR PROPOSALS

## EDF-2024-RA

- Research Actions: Forschung, 100 % geförderte Aktivitäten, direkte Kostenabrechnung (actual costs)

## EDF-2024-RA-SI

- Research Actions Spin-in: Forschung, 100% geförderte Aktivitäten, direkte Kostenabrechnung (actual costs), Nutzung (Spin-in) von Ergebnissen aus zivilen EU Forschungsprojekten

## EDF-2024-LS-RA- DIS

- Research Actions Disruptive Technologies: Forschung, 100 % geförderte Aktivitäten, Arbeitspakete anhand Pauschalbetrag abgerechnet (Lump Sum), nur zwei förderfähige Entitäten benötigt, Themenfokus auf disruptive Technologien im Verteidigungsbereich

# AUSZUG AUS DEM EDF ARBEITSPROGRAMM FÜR 2024 CALL FOR PROPOSALS

## EDF-2024-LS-RA- CHALLENGE

- Research Actions Challenge: Forschung, 100 % geförderte Aktivitäten, Arbeitspakete anhand Pauschalbetrag abgerechnet (Lump Sum), Themengebiet im Challengeformat bearbeitet – ein Organisator, mehrere thematisch bearbeitende Organisationen

## EDF-2024-DA

- Development Actions: Entwicklung, generell weniger als 100% geförderte Aktivität, Fördersatz abhängig von Aktivität

## EDF-2024-DA- EUCI

- Development Actions EU classified information: Entwicklung, generell weniger als 100% geförderte Aktivität, Fördersatz abhängig von Aktivität, besondere Klassifizierungsanforderungen an Konsortialmitglieder ( Sicherheitsfreigabe für EU Secret für Personal und Einrichtungen)

# EDF CATEGORIES OF ACTION BUDGET 2024



# THEMENÜBERSICHT 2024

Call ID	Name	Instrument	Budget
Defence medical response, chemical biological radiological nuclear (CBRN), biotech and human factors (MCBRN)			
EDF-2024-RA-SGA-MCBRN-MCM-STEP	Defence medical countermeasures Alliance – Research actions	Research	15 Mio. €
EDF-2024-DA-SGA-MCBRN-MCM-STEP	Defence medical countermeasures Alliance – Development actions	Development	10 Mio. €
Information superiority (C4ISR)			
EDF-2024-DA-C4ISR-AIMA-STEP	AI-based multifunctional aperture and transceiver	Development	45 Mio. €
EDF-2024-DA-C4ISR-COMS-STEP	Defence multi-dimensional communication standard	Development	25 Mio. €
EDF-2024-DA-C4ISR-SEEU-STEP	Small enhanced European UAS	Development	11 Mio. €
EDF-2024-DA-C4ISR-MALE	Medium altitude long endurance RPAS	Development	100 Mio. €



# THEMENÜBERSICHT 2024

Call ID	Name	Instrument	Budget
Advanced passive and active sensors (SENS)			
EDF-2024-RA-SENS-ART	Advanced radar technologies	Research	35 Mio. €
EDF-2024-LS-RA-CHALLENGE-SENS-RADNO	Multi-sensor integration for robust autonomous drone navigation – Organisation in a technological challenge	Research	7 Mio. €
EDF-2024-LS-RA-CHALLENGE-SENS-RADNP	Multi-sensor integration for robust autonomous drone navigation – Participation of a technological challenge	Research	20 Mio. €
Cyber (CYBER)			
EDF-2024-DA-CYBER-NGCR-STEP	Next-Generation Cooperative Cyber Range	Development	48 Mio. €
Space (SPACE)			
EDF-2024-LS-RA-CHALLENGE-SPACE-MSIAO	Multi-source satellite image analysis – Organisation of a technological challenge	Research	10 Mio. €
EDF-2024-LS-RA-CHALLENGE-SPACE-MSIAP	Multi-source satellite image analysis – Participation in a technological challenge	Research	15 Mio. €
EDF-2024-DA-SPACE-EPW-STEP	Secure waveform for satellite communications	Development	25 Mio. €

# THEMENÜBERSICHT 2024

Call ID	Name	Instrument	Budget
Digital transformation (DIGIT)			
EDF-2024-RA-DIGIT-ASMEP	Automated structural modelling for effect prediction	Research	15 Mio. €
Energy resilience and environmental transition (ENERENV)			
EDF-2024-DA-ENERENV-EEMC-STEP	Energy-independent and energy-efficient systems for military camps	Development	40 Mio. €
Materials and components (MATCOMP)			
EDF-2024-RA-SI-MATCOMP-EC-STEP	Electronic components	Research	25 Mio. €
Air combat (AIR)			
EDF-2024-RA-AIR-AAM	Concept study on advanced air-to-air missiles	Research	35 Mio. €
EDF-2024-RA-AIR-UCCAS-STEP	Unmanned collaborative combat aircraft (U-CCA) systems	Research	15 Mio. €
EDF-2024-DA-AIR-NGRT	Next generation rotorcraft	Development	100 Mio. €

# THEMENÜBERSICHT 2024

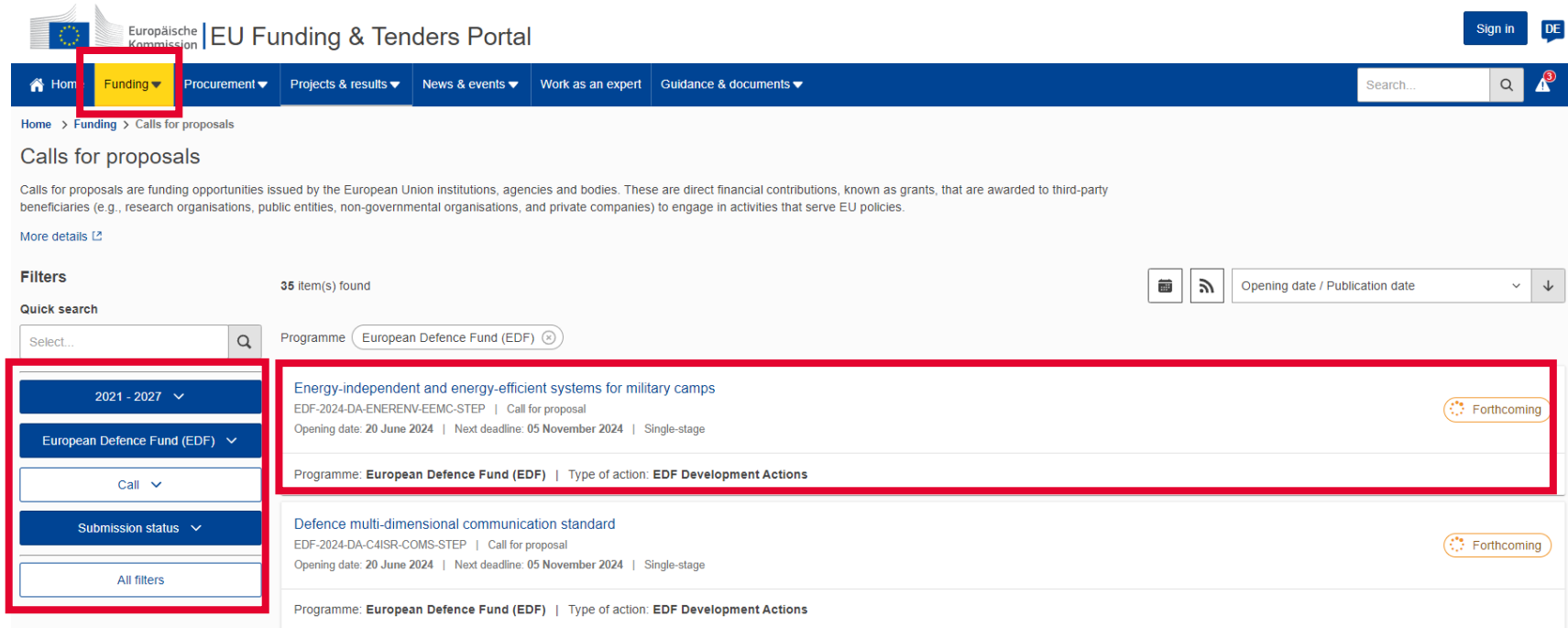
Call ID	Name	Instrument	Budget
Air and missile defence (AIRDEF)			
EDF-2024-DA-EUCI-AIRDEF-CHGV	Countering hypersonic glide vehicles	Development	78 Mio. €
Ground combat (GROUND)			
EDF-2024-RA-GROUND-IWAS	Intelligent weaponry and ammunition systems	Research	30 Mio. €
EDF-2024-DA-GROUND-UGS-STEP	Multipurpose unmanned ground systems	Development	50 Mio. €
EDF-2024-DA-GROUND-BLOS	Beyond the line-of-sight close combat	Development	25 Mio. €
EDF-2024-DA-GROUND-AIFV	Next generation armoured infantry fighting vehicle	Development	25 Mio. €
Force protection and mobility (PROTMOB)			
EDF-2024-RA-PROTMOB-FMTC	Future mid-size tactical cargo aircraft	Research	30 Mio. €
Naval combat (NAVAL)			
EDF-2024-DA-NAVAL-FNP	Functional smart system-of-systems under an integral survivability approach for future naval platforms	Development	45 Mio. €

# THEMENÜBERSICHT 2024

Call ID	Name	Instrument	Budget
Underwater warfare (UWW)			
EDF-2024-RA-UWW-SACOM-STEP	Secured and adaptive underwater communications for UUSs	Research	24 Mio. €
EDF-2024-DA-UWW-AHMS	Autonomous heavy minesweeping system	Development	30 Mio. €
Simulation and training (SIMTRAIN)			
EDF-2024-RA-SIMTRAIN-BRG-STEP	Methods for bridging reality gaps	Research	15 Mio. €
EDF-2024-DA-SIMTRAIN-STME-STEP	Simulation and training for medical emergencies	Development	10 Mio. €
Disruptive technologies (DIS)			
EDF-2024-LS-RA-DIS-QUANT-STEP	Quantum technologies	Research	24 Mio. €
EDF-2024-LS-RA-DIS-NT	Non-thematic research actions targeting disruptive technologies for defence	Research	16 Mio. €
Non- thematic calls for innovative and future-oriented defence solutions focused on SMEs			
EDF-2024-LS-RA-SMERO-NT	Non-thematic research actions by SMEs and research organisations	Research	34 Mio. €
EDF-2024-LS-DA-SME-NT	Non-thematic development actions by SMEs	Development	33 Mio. €

# CALLS IM EU FUNDING & TENDERS PORTAL

## CALL ÜBERSICHT



Europäische Kommission | EU Funding & Tenders Portal

Home > Funding > Calls for proposals

### Calls for proposals

Calls for proposals are funding opportunities issued by the European Union institutions, agencies and bodies. These are direct financial contributions, known as grants, that are awarded to third-party beneficiaries (e.g., research organisations, public entities, non-governmental organisations, and private companies) to engage in activities that serve EU policies.

[More details](#)

**Filters** 35 item(s) found

Quick search

Select...

Programme:

2021 - 2027

European Defence Fund (EDF)

Call

Submission status

All filters

Energy-independent and energy-efficient systems for military camps  
EDF-2024-DA-ENERENV-EEMC-STEP | Call for proposal  
Opening date: 20 June 2024 | Next deadline: 05 November 2024 | Single-stage  
Forthcoming

Programme: **European Defence Fund (EDF)** | Type of action: **EDF Development Actions**

Defence multi-dimensional communication standard  
EDF-2024-DA-C4ISR-COMS-STEP | Call for proposal  
Opening date: 20 June 2024 | Next deadline: 05 November 2024 | Single-stage  
Forthcoming

Programme: **European Defence Fund (EDF)** | Type of action: **EDF Development Actions**

# CALLS IM EU FUNDING & TENDERS PORTAL

## CALL IM DETAIL

[Home](#) > [Funding](#) > [Calls for proposals](#) > [Energy-independent and energy-efficient systems for military camps](#)

### Energy-independent and energy-efficient systems for military camps

EDF-2024-DA-ENERENV-EEMC-STEP

Topic [Call for proposal](#)

#### Internal navigation

- [General information](#)
- [Topic description](#)
- [Conditions and documents](#)
- [Partner search announcements](#)
- [Start submission](#)
- [Topic Q&As](#)
- [Get support](#)

#### General information

##### Programme

European Defence Fund

[Budget overview](#)

##### Call

Development actions implemented via actual cost grants (EDF-2024-DA)

##### Type of action

EDF-DA EDF Development Actions

##### Type of MGA

EDF Action Grant Budget-Based [EDF-AG]

[Forthcoming](#)

##### Deadline model

single-stage

##### Planned opening date

20 June 2024

##### Deadline date

05 November 2024 17:00:00 Brussels time

#### Topic description

##### Objective:

The future battlefield is likely to be dominated by weapon systems, platforms and devices that require electric energy. This type of battlefield, previously purely oil-based from cradle to grave, to integrate energy management technologies, buffer storage resources and a camp/weapon system interface in a constrained and contested tactical environment, is in need of a comprehensive review of its energy production and distribution. It requires the...

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# CALLS IM EU FUNDING & TENDERS PORTAL

## AUSZUG AUS DER TOPIC DESCRIPTION

### Topic description

#### Objective:

The future battlefield is likely to be dominated by weapon systems, platforms and devices that require electric energy. This type of battlefield, previously purely oil-based from cradle to grave, to integrate energy management technologies, buffer storage resources and a camp/weapon system interface in a constrained and contested tactical environment, is in need of a comprehensive review of its energy production and distribution. It requires the implementation of a coherent and efficient energy network, from the energy production systems at operational level to the soldiers at tactical level, through all the layers of the distribution systems.

In parallel, the EU defence sector has to start its digital and green energy transition to contribute to the EU net-zero greenhouse gas emissions target by 2050 and to anticipate growing energy costs linked to the vulnerability of fossil fuel supplies becoming increasingly scarce and disputed.

This development entails major risks for military activities. The multiplication of low-carbon energy sources and the risk of more complex logistics are an additional challenge for manoeuvres. It is also an opportunity to meet the growing demand for future weapons systems, platforms and devices.

An energy-independent and energy efficient deployable military camp, as part of the future electric battlefield, is the first step towards an operational and tactical integrated energy supply chain. It serves as a starting point, hub for innovative electric energy generation and efficient distribution throughout all levels. This includes initial definitions of interface between the stationary components (operational level) and the mobile components (tactical level) of the electric battlefield.

As the role of the military camps, as an energy provider has been emphasised, scaling-up of its technological bricks (energy generation, storage and distribution) needs to be amplified while covering a wide range of operational scenarios.

#### *Specific objective*

The specific objective of this topic is to substitute the fossil fuel dependency reduction in military deployable camps (support and mobility) without any drop of operational performances, in a context of increasing electrical energy demand in the battlefield. Moreover, investigation on the return of experience of the demonstration stage, should include specifications of a whole concept of energy independent and efficient deployable camps. Furthermore, the ability to support the diminution of their fossil fuel consumptions while maintaining operational performances, avoiding logistics, security burden and reducing logistics footprint should be validated.

#### Scope:

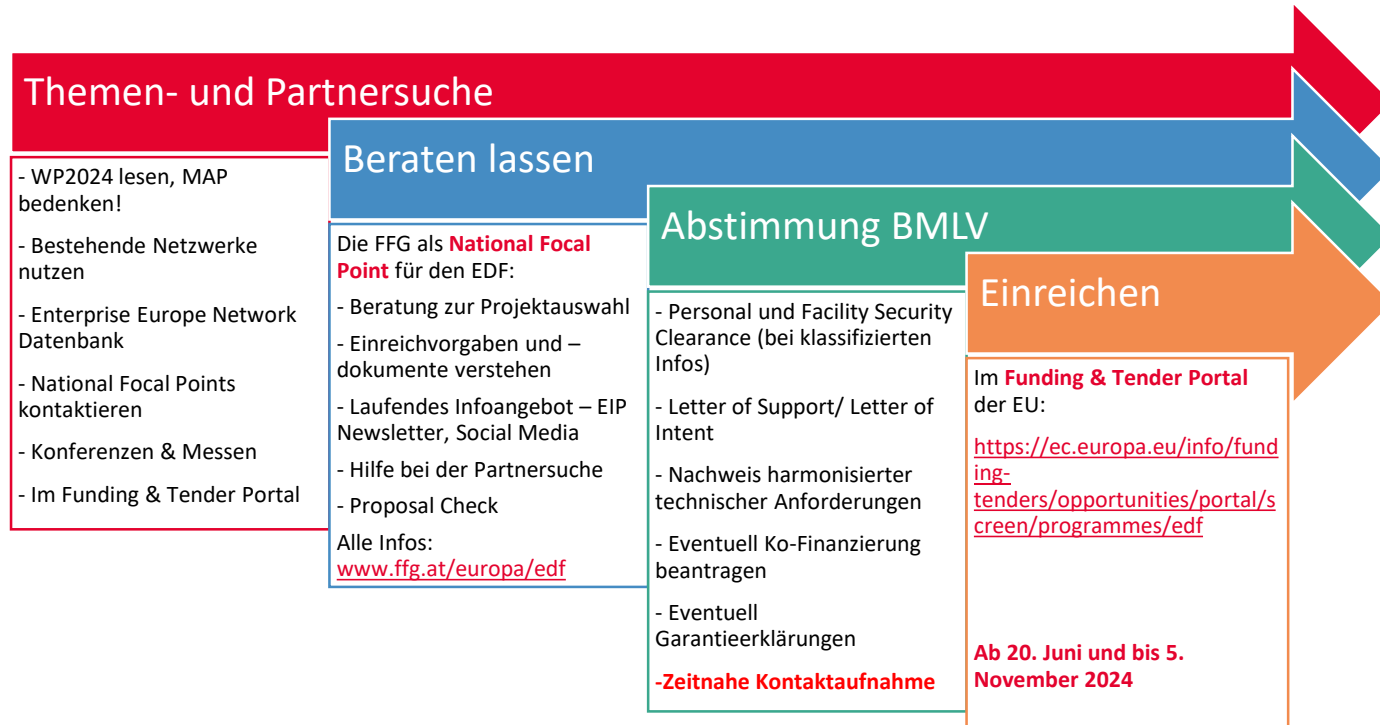
Proposals must address a full-scale operational demonstrator of a deployable camp fulfilling interoperability between inter-allied armies and NATO, with a modular and easily deployable energy system and adaptable energy mix.

Proposals must pursue the feasibility study of different technologies to answer to the identified needs of the Member States and EDF Associated Countries while ensuring the interoperability of systems and taking into consideration opportunities such as autonomy or resilience. As innovative solutions evolve rapidly, the proposals should update results generated through the latest research in this domain. In addition, proposals should demonstrate the effectiveness of logistics and maintenance in different scenarios (e.g., Host Nation Support, Contractor Support to Operations or by military themselves).

Proposals must design and produce the solutions (production, storage and management modules, including control and command interfaces, communication protocols, and operational simulation and planning systems). In order to ensure their safe use, functional tests must be performed before the demonstration stage.

Proposals must address physical experiment of the most critical technological modules deployed in military camps, especially the most vulnerable ones toward harsh environmental conditions and demanding operational scenarios, including resilience against electronic warfare, cyber-attacks and electromagnetic pulse.

# VORBEREITUNG EINER EINREICHUNG





## **ACHTUNG! HÄUFIGE FEHLER**

- Nicht förderbar: Grundlagenforschung, Markteinführung, Beschaffung...
- Nicht bereits bestehende Konzepte „umverpacken“
- Keine „Alibi“-Partner!
- Ownership Control Declaration: Vorgaben zur Herkunft beachten, auch bei Projektpartnern!
- Bestätigungen rechtzeitig einholen (PSC/FSC, LoS/Lol, Ko-Finanzierung...)
- Frühzeitig mit der Einreichung beginnen!

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Feedback zu Ihrem Antrag



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→ auf dem Laufenden bleiben!

# WICHTIGE INFORMATIONEN UND LINKS



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[www.ffg.at/europa/edf](http://www.ffg.at/europa/edf)  
[www.ffg.at/europa/edf/call-2024](http://www.ffg.at/europa/edf/call-2024)  
[www.ffg.at/europa/edf/faq](http://www.ffg.at/europa/edf/faq)

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## Bundesministerium für Landesverteidigung

<https://www.bundesheer.at/>  
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## Funding & Tender Portal

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## EC - EDF

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Aviso: EDF Info Days der Kommission am 28. bis 29. Mai, Brüssel/Online

**VIELEN DANK FÜR IHRE AUFMERKSAMKEIT!**

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**National Focal Point EDF**

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