



Preparatory Action and EDRP



Dott.ssa Luisa RICCARDI
Direttore V Reparto
“Innovazione Tecnologica”
r5direttore@sgd.difesa.it

Iniziative europee per la difesa:
una opportunità per il sistema paese
Roma, 26 giugno 2018

EUROPEAN DEFENCE RESEARCH



Funded by EU:

100% direct costs and Materials + 25% as a forfait (covering part of indirect costs)

The PADR and the EDRP should «*act as a catalyst for European cooperation in key capability areas, breaking down the barriers and overcoming the disincentives to cooperation that exist today*»

(Report of the Group of Personalities – January 2016)

PREPARATORY ACTION ON DEFENCE RESEARCH (PADR)

Goals:

- Demonstrate and assess added value of EU-supported research on Defence
- Results should foster further cooperation among MoD and among EU Defence Industries
- Prepare for a basic act to launch a substantial Defence Research Programme from 2021-2027

Total Budget:

90 M€ in total


- 25 M€ in 2017 (already committed)
- 40 M€ in 2018 (approved and calls for proposals open for submission)
- 25 M€ in 2019 (to be confirmed and approved)

Implementing Agency:

- EDA

PADR 2017 (1/3)

Call n°1 – «Technological demonstrator for enhanced situational awareness in a **NAVAL** environment»

- Winning Project: **OCEAN2020**
- ITA Consortium Leader involved in the winning project:  **LEONARDO**
- Budget: 16,39 M€ (+19 M€ from budget 2018)

Call n°2 – «Force protection and advanced **SOLDIER** systems beyond current programmes»

- Subtopics:
 - a) Open soldier system **architecture**
 - b) Individual ballistic and blast **protection** including CBRN protection
 - c) Adaptive **camouflage**

PADR 2017 (2/3)

Call n°2 – «Force protection and advanced SOLDIER systems beyond current programmes»

Winning Projects:

- a) open soldier system architecture - **GOSSRA**
- b) individual ballistic and blast protection including CBRN protection - **VESTLIFE**
- c) adaptive camouflage - **ACAMSII**

ITA Industries involved in the winning projects:

- a)  **LEONARDO** &  **LARIMART**
a LEONARDO company
- b) 
Turn natural complexity into technology®
- c) none

Budget: 6,79 M€

PADR 2017 (3/3)

Call n° 3 – «The European Defence Research Runway - Part I» (STF)

Winning Project: PYTHIA

ITA Consortium Leader involved in the winning project:  ENGINEERING

Budget: 0,95 M€

PADR 2018 (1/2)

Call n° 1

“European high-performance, trustable (re)configurable system-on-a-chip or system-in-package for defence applications”

Budget: up to 12 M€

Call n° 2

“Towards a European high power laser effector”

Budget: up to 5,4 M€

Call n° 3

“Strategic Technology Foresight - The European Defence Research Runway - part II”

Budget: up to 2 M€

PADR 2018 (2/2)

Timeline:

- Funds Transfer: **22 February 2018**
- Opening Submission: **01 March 2018**
- Close Submission: **28 June 2018**
- Start Evaluation (eligibility): **29 June 2018**
- End Evaluation: **04 October 2018**

PADR 2019

Still hypothesis – draft calls

Possible Call n° 1 – “Electromagnetic Spectrum Dominance
(**Electronic Warfare**)” [Budget: up to 10 M€ tba]

Possible Call n° 2 – “Future Disruptive Technologies»

Two subtopics:

a) “**Challenging the future**” [Budget: up to 4 M€ tba]

b) “**Emerging Game-changers**” [Budget: up to 6 M€ tba]

Possible Call n° 3 – “**Standardisation and Interoperability**”

[Budget: tba]

EUROPEAN DEFENCE RESEARCH PROGRAMME (EDRP)

Aim:

- To promote an innovative and competitive industrial and scientific base able to meet Europe's defence needs;
- To allow MS to get better value for their investment and develop technologies and equipment otherwise unattainable independently;
- To offer support in order to avoid losing the results of research, thus allowing the development of prototypes and the testing of technology.

Total Budget: 4,1 B€ [2021-2027]

Implementing Agency: (?) under evaluation

CONCLUSIONS

Lessons learned from PADR:

- ❑ Trade-off: National setting VS Resilience to sudden changes
- ❑ Coherence (correspondence) between Italian Representatives sitting at EU boards with their own competences «ex lege» according to positions held

Implementing Agency

- ❑ focus on the balance of our positions at EDA and Commission according to decisional power

EU/NATO cooperation

- ❑ Joint Declaration NATO-EU (Warsaw, 8 July 2016 signed by the President of the European Council, the President of the European Commission and the Secretary General of the North Atlantic Treaty Organization)
- ❑ Joint Declaration Implementation (6 Dec 2016 EU set of proposals)

National Military Research Plan 2019

<http://www.difesa.it/SGD-DNA/Staff/Reporti/V/Pagine/LaRicercaInnovazione.aspx>



Sono aperti i termini di presentazione delle proposte di progetti di ricerca per il Piano Nazionale della Ricerca Militare 2019.

La scadenza per la presentazione delle proposte è il 30/11/2018.



MINISTERO DELLA DIFESA
SEGRETARIATO GENERALE
E DIREZIONE NAZIONALE DEGLI ARMAMENTI

PNRM 2019



QUESTIONS ?



**Iniziative europee per la difesa:
una opportunità per il sistema paese**

Roma, 26 giugno 2018