

PREPARATORY ACTION ON DEFENCE RESEARCH



Pilot Project and Preparatory Action on Defence Research

BULGARIA, 31 MAY 2018

Agenda

PREPARATORY ACTION ON DEFENCE RESEARCH

- ✓ EDA Introduction
- ✓ Pilot Project and Preparatory Action
- ✓ Future EDRP

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EDA Introduction

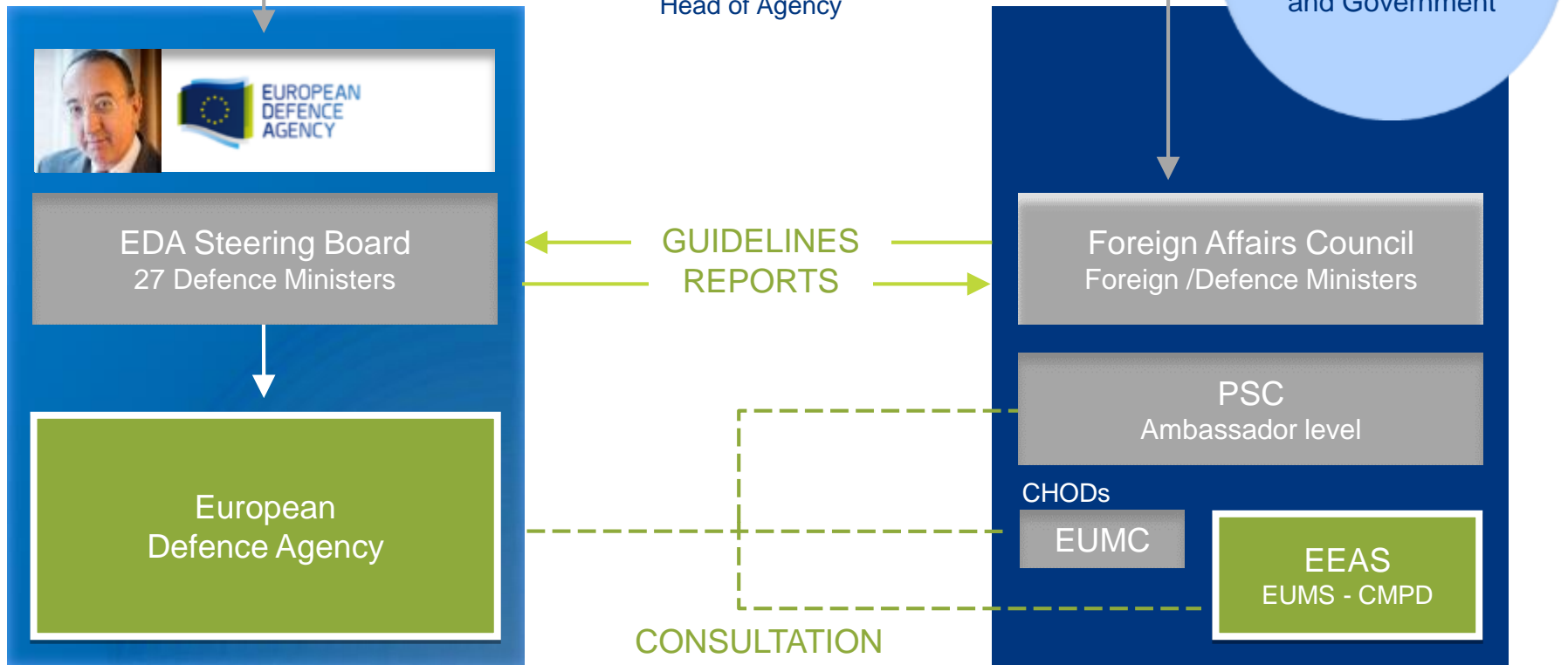
Institutional setting



Federica Mogherini

High Representative of the Union for Foreign Affairs and Security Policy
Vice-President of the European Commission
Head of Agency

European
Council
Heads of State
and Government



Facts & Figures

Only Agency whose Steering Board meets at ministerial level



Established
2004

Based in
BRUSSELS

+ -145 staff
connected with
2,500 experts in
Member States

**Jorge
DOMECCQ**

EDA Chief
Executive

27 Member States

(all EU members except Denmark)
& Administrative Arrangements
with Norway, Serbia, Switzerland
and Ukraine)

Operational budget 2017
**€31 Mio (+ €0,5 Mio
compared to 2016)**

Number and value of ad-hoc R&T
projects negotiated in 2016:
26 projects / 120 Mio

Value R&T projects 2004-2017 run
within EDA: approx. **€1 billion**

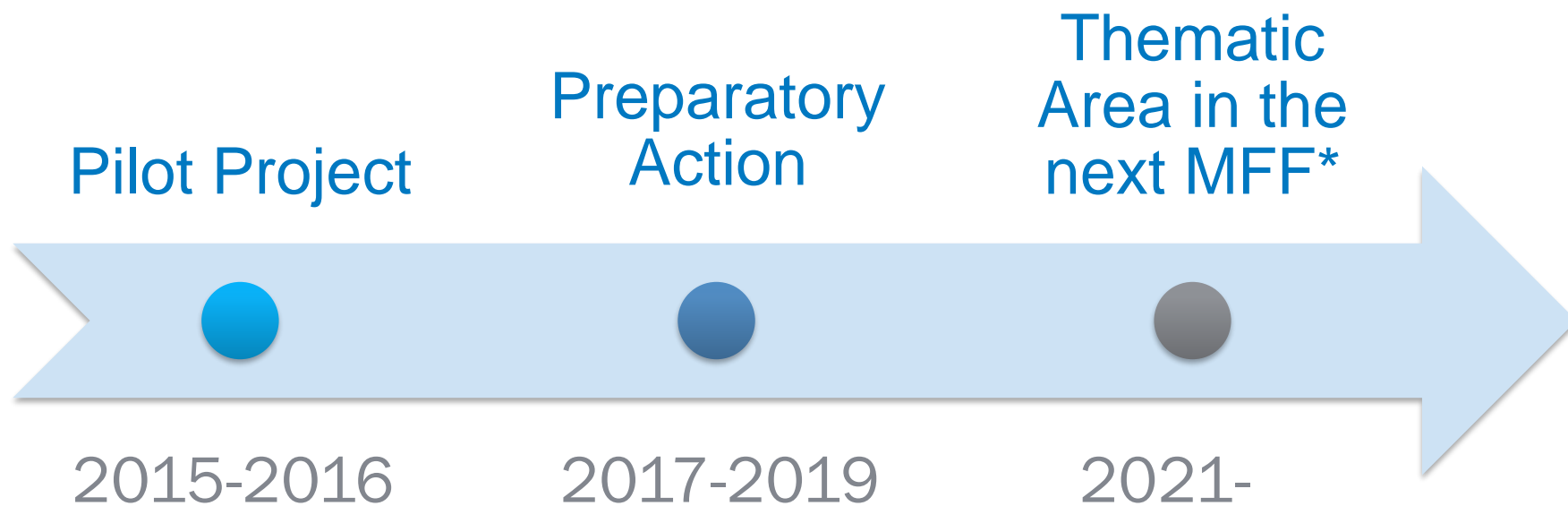
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Pilot Project (PP)

Background of the Preparatory Action

Timeline



*Multi-annual Financial Framework

Pilot Project: Delegation Agreement

EDA – Commission ➔ Delegation Agreement

- Signed on 16 November 2015
- Delegates tasks and budget

EU Budget
2015
915,000€

EU Budget
2016
500,000€

Pilot Project: 3 research projects funded

Acronym	Topic	Consortium leader	Grant	Duration	End
EuroSWARM	<i>Unmanned Heterogeneous Swarm of Sensor Platforms</i>	Cranfield University	434,000€	12 months	Feb'18
SPIDER	<i>Inside Building Awareness and Navigation for Urban Warfare</i>	Tekever	433,225€	12 months	Feb'18
TRAWA	<i>Standardisation of Remotely Piloted Aircraft System (RPAS) Detect and Avoid</i>	NLR	433,292€	18 months	May'18

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Preparatory Action on Defence Research (PADR)

Preparatory Action: timetable, budget and objectives

- Start 2017
- Duration: 3 years: 2017- 2019
- Budget: Commission requested total budget of 90 million euro. (subject to yearly decisions)
2017 budget: 25 million euro APPROVED
2018 budget: 40 million euro APPROVED

Objectives

- Demonstrate and assess added-value of EU-supported defence R&T
- Results should foster further cooperation between MoDs and between EU defence industries
- Prepare for a basic act to launch a substantial defence research programme from 2021 onwards

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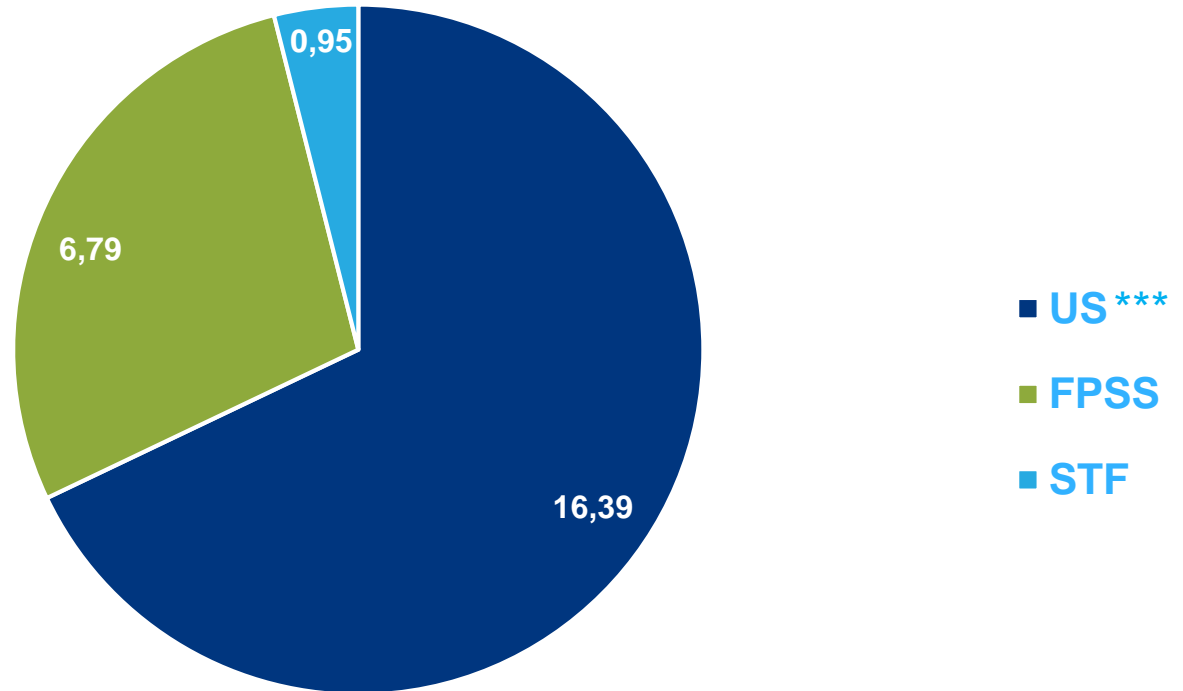
PADR Calls 2017

Work Programme: PADR 2017

- Calls:
 - PADR-US-01-2017
 - PADR-FPSS-01-2017
 - PADR-STF-01-2017
- Publication date: 07/06/2017
- Opening date: 08/06/2017
- Closing date:
 - PADR-US-01-2017: 05/10/2017
 - PADR-FPSS-01-2017 and PADR-STF-01-2017: 28/09/2017

Budget per call 2017

Total budget 2017: €24.237.390*



* after additional budget allocation (**M€ 23.33** initial budget** + **M€ 0.907.390** additional budget)

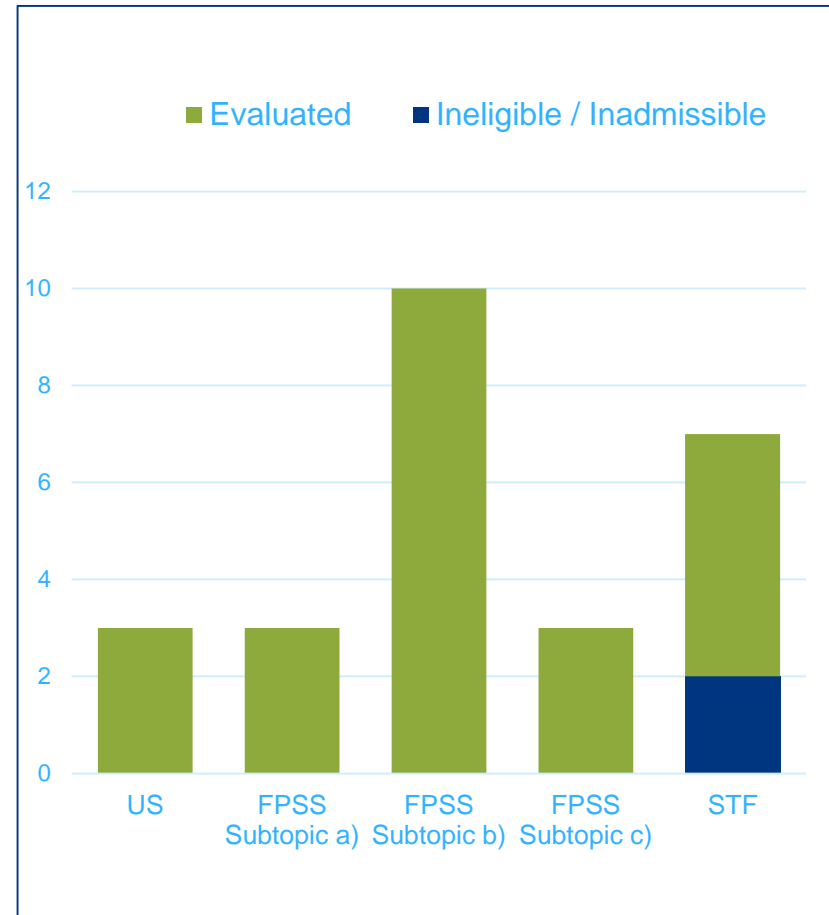
** total initial budget including expert contracts budget

*** about **M€ 19** additional from 2018 budget envisaged to be allocated

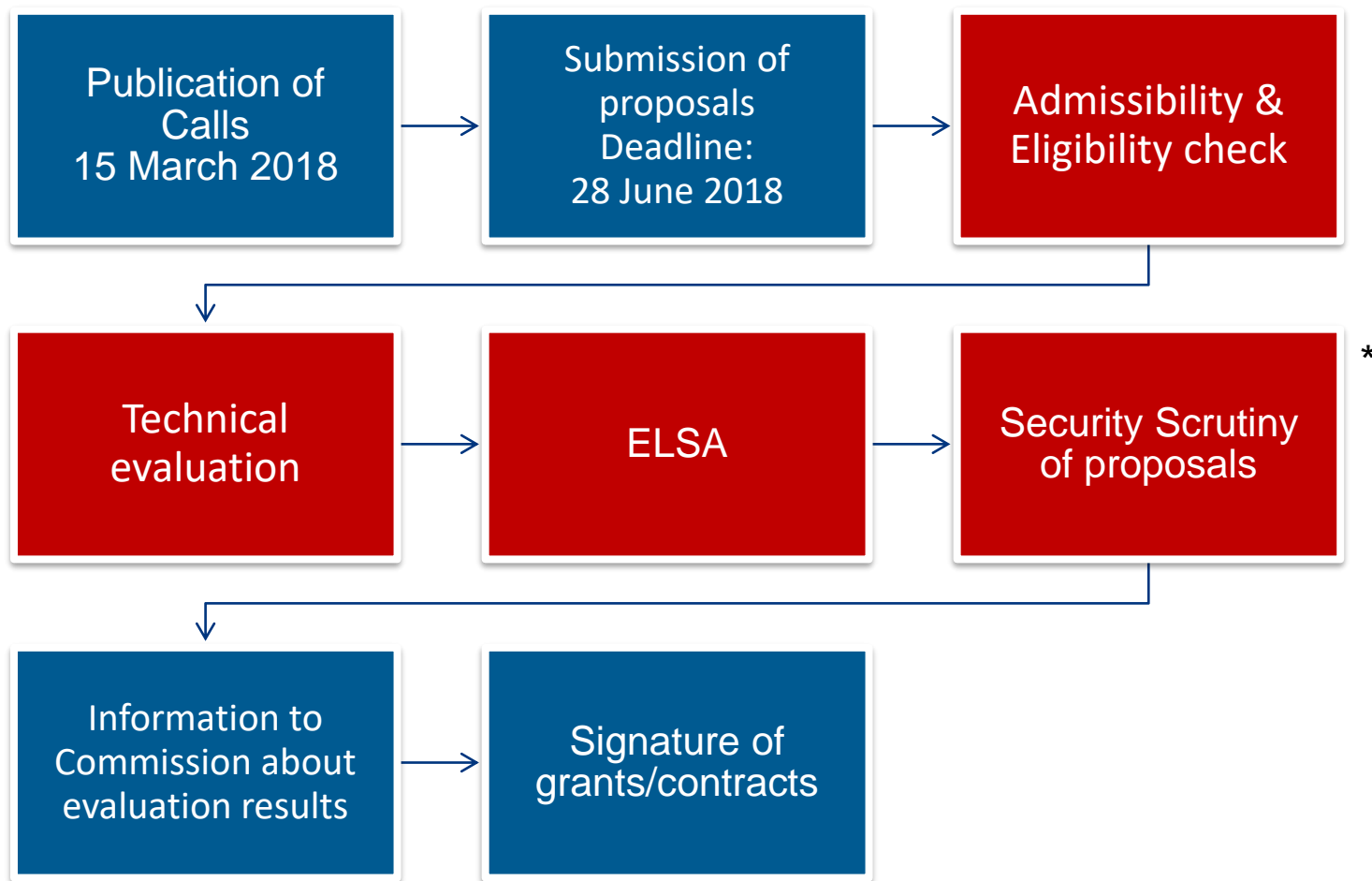
Closure of All Calls - Proposals

Proposals

- Received: 24
- Consortia including around 190 entities (with some applying to various calls in different consortia)



PADR DA 2017 – Evaluation Workflow



* conducted by European Commission

Evaluation Outcome

Global Success Rate: 22.7%*

- US: 33.3%
- FPSS: 18.8%
- STF: 33.3%

	Main list
US	1
FPSS	3
STF	1
Total	5

* related to total number of evaluated proposals

PADR Call 2017 – Grant agreements status

Project	Expected Signature Timeframe	Starting Date
PYTHIA (STF)	19 December 2017 (Amendment in March 2018)	1 February 2018
OCEAN 2020 (US)	28 March 2018	1 April 2018
GOSSRA (FPSS/architecture)	26 April 2018	1 June 2018
VESTLIFE (FPSS/blast protection)	26 April 2018	1 May 2018
ACAMSII (FPSS/camouflage)	26 April 2018	1 May 2018

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PADR Calls 2018 – Calls status

PADR 2018: Calls

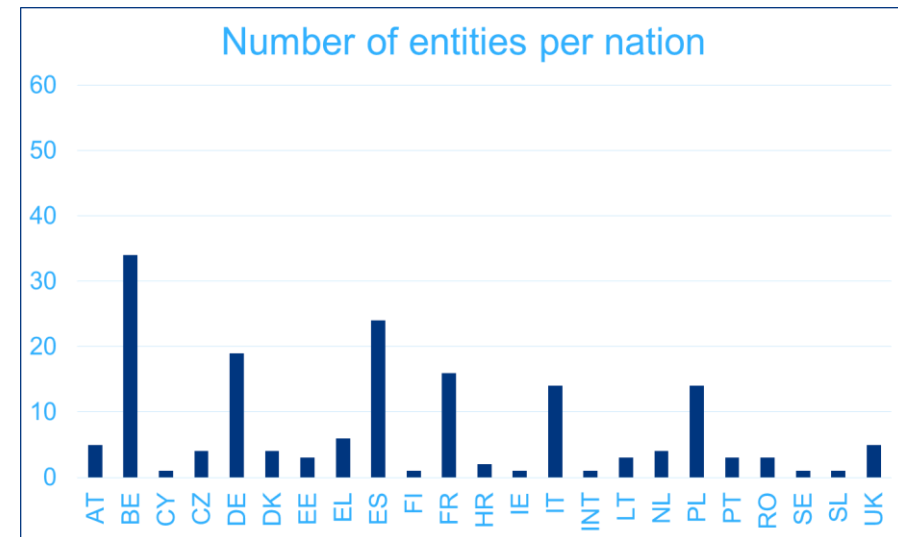
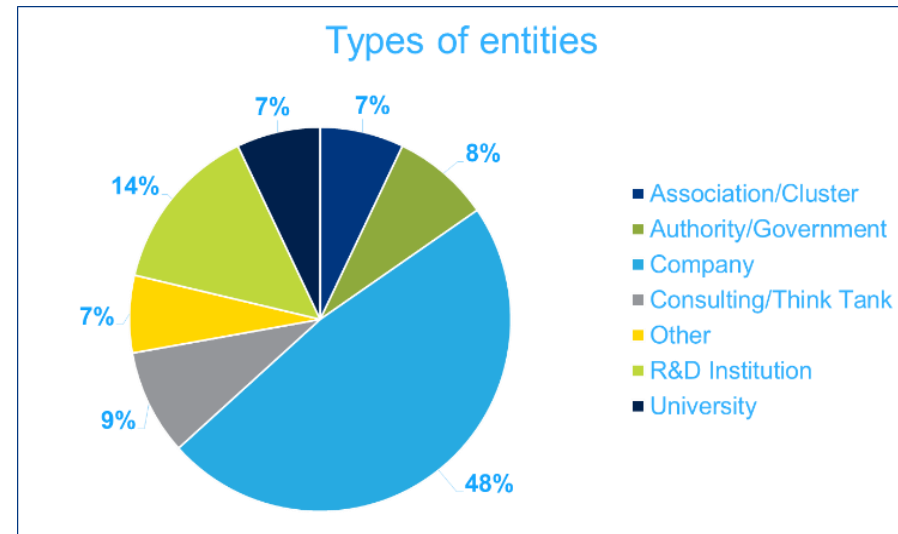
- Calls:
 - PADR-EDT-02-2018 - Electronic Design Technologies for Defence Applications
 - PADR-EF-02-2018 - Effects
 - PADR-STF-02-2018 - Strategic Technology Foresight
- Publication date: 15/03/2018
- Opening date: 15/03/2018
- Closing date: 28/06/2018

PADR 2018: Work Programme

- Work Programme PADR 2018 has been prepared in the As-If Programme Committee
- Financing decision adopted on 9 March 2018
- Calls launched after adoption of the decision EDA
- Info Day held in Brussels, after the launch of the Call, on 12 April 2018
- Call for experts updated – Available in EDA Web

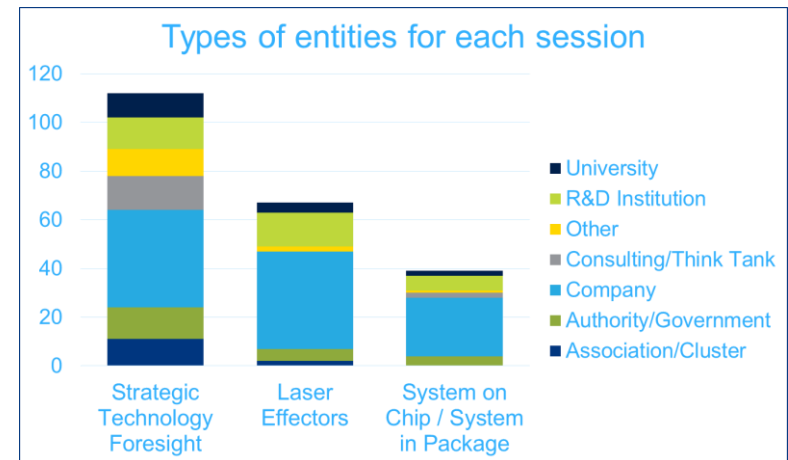
PADR 2018: Info Day

- 2018 PADR Information Day & Brokerage Event on 12 April 2018
- 218 participants attended the event.
- These participants were coming from
 - 168 entities
 - 22 different Member States,
 - 1 international entity.
 - The most represented countries were Belgium, Spain, Germany, France, Italy and Poland.



PADR 2018: Info Day

- During the Information Day & Brokerage Event, three different sessions were presented, covering the three topics of the 2018 calls:
 - System on Chip / System in Package
 - Laser Effectors
 - Strategic Technology Foresight
- The Brokerage session allowed to book 129 bilateral meetings between the entities present at the event.
 - Other meetings were setup on-the-spot without using the platform offered by EDA.



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Future EDRP

Towards the EDRP

- PADR 2018-19 work programme
 - Ongoing discussion in the AIPC with EDA support (upstream role)
 - Critical Defence Technologies (and Disruptive Technology)
- EDRP architecture, main discussions:
 - Link between future FP9 and the EDRP
 - Complementarity with national research
 - Low TRL – high TRL (link with capability window)
 - IPR, financing, grants vs procurement

Thank you for your attention

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Back-up slides

Common Security and Defence Policy

Launch of the CSDP in 2000

**with focus on Crisis Management Operations,
building on military and civilian capabilities**

- ▶ Some 30 operations/missions launched since 2003
- ▶ Need for capability improvement has been the key driver since the creation of the Agency

LISBON TREATY: **Comprehensive approach**

Provisions on the Common Security and Defence Policy (Article 42 TEU):

- Member States shall make civilian and military capabilities available to the Union for the implementation of the common security and defence policy
- Member States shall undertake to progressively improve their military capabilities

EDA priority workstrands

SUPPORT

the development of **key capabilities** structuring European defence



STIMULATE

defence **R&T** to prepare the capabilities of tomorrow and support the EDTIB



ENSURE

that military interests are taken into account in **wider EU policies**

