



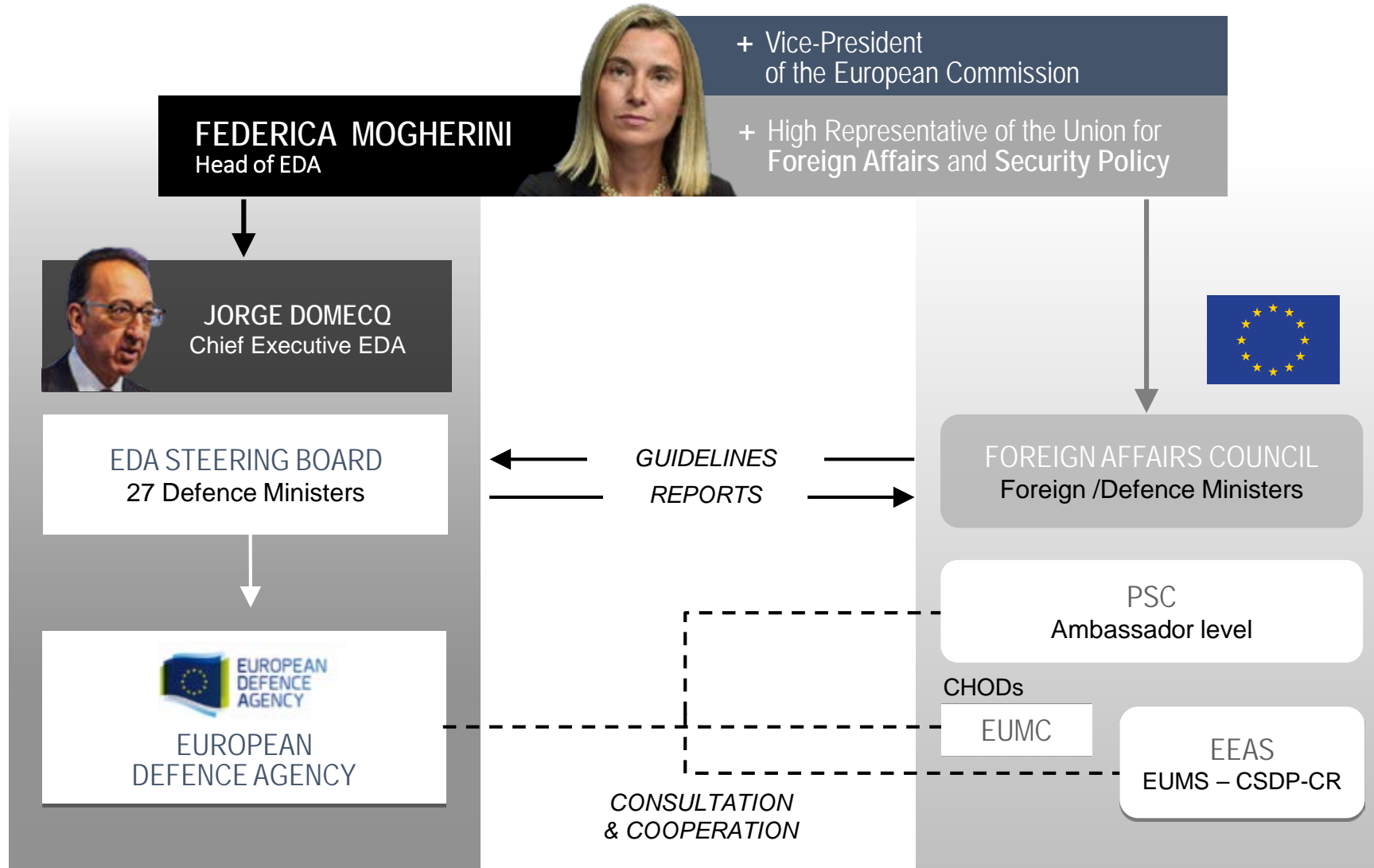
EUROPEAN DEFENCE AGENCY

Dion Polman

3/10/2019
C-UAV



INSTITUTIONAL SETTING



Facts & Figures

Only EU Agency whose Steering Board meets at ministerial level



Established 2004

Based in **BRUSSELS**



+170 staff
connected with 2,500 experts in
Member States

Jorge Domecq
Chief Executive EDA

27 Member States

(all EU members except Denmark)

Administrative Arrangements

with Norway, Serbia, Switzerland and Ukraine

Budget 2019

€34.1 Mio

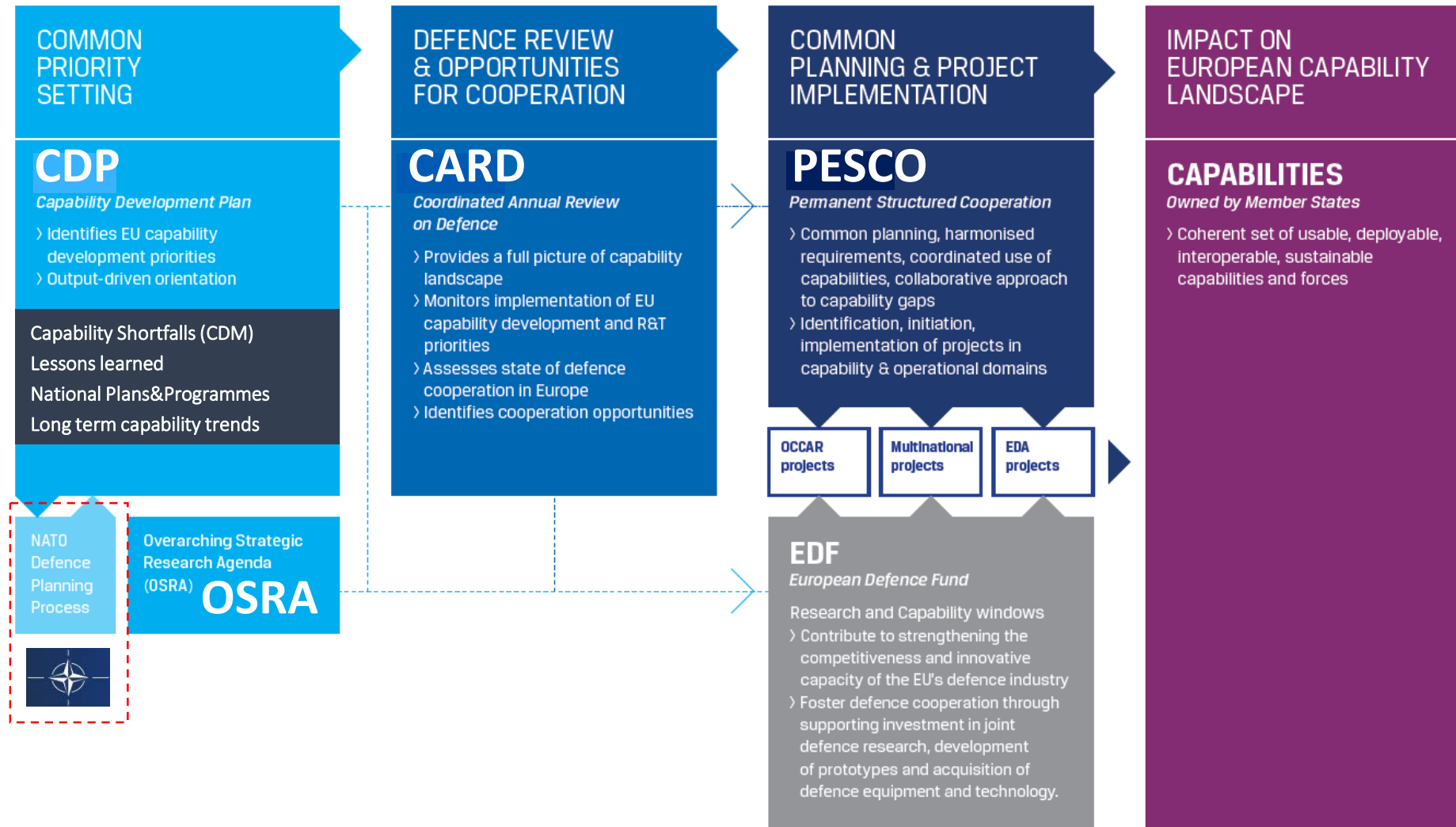
EDA Portfolio:

ca. **300 activities** related to capability development,
R&T and defence industry

Value R&T projects 2004-2017 run within EDA:

approx. **€1 billion**

A coherent approach from priorities to impact



Strategic Context Cases

Tasking from SB MOD 20 NOV 2018

Brussels, 10 December 2018

EUROPEAN DEFENCE AGENCY STEERING BOARD

In Ministers of Defence Composition

Brussels, 20 November 2018

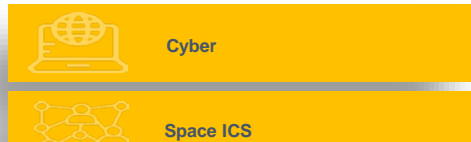
IMPLEMENTATION OF THE 2018 EU CAPABILITY DEVELOPMENT PRIORITIES

The Steering Board:

- a) decided to task EDA to proceed with the development of the **SCCs**;
- b) underlined the **importance of coherence** between the defence-related initiatives developed at EU level (namely **PESCO, CARD, EDF**) and the prioritisation tools (notably **CDP and OSRA**);
- c) underlined the importance of **consultation with defence industry** of pMS in preparation of the SCCs and involve as appropriate industry partners in the next steps of the implementation of the 2018 EU Capability Development Priorities.

Strategic Context Cases

Standard content & structure



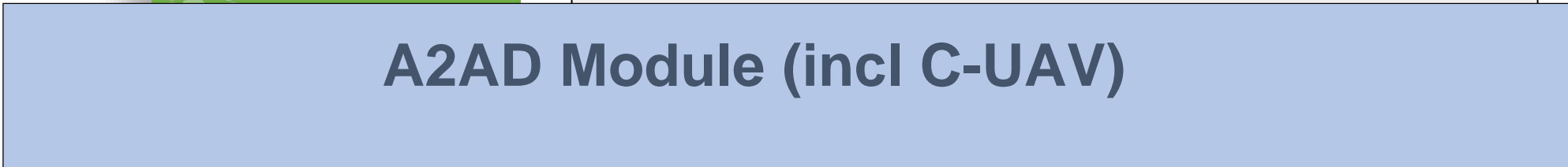
The SCC Part

• Chapter 1: Political background and Scope

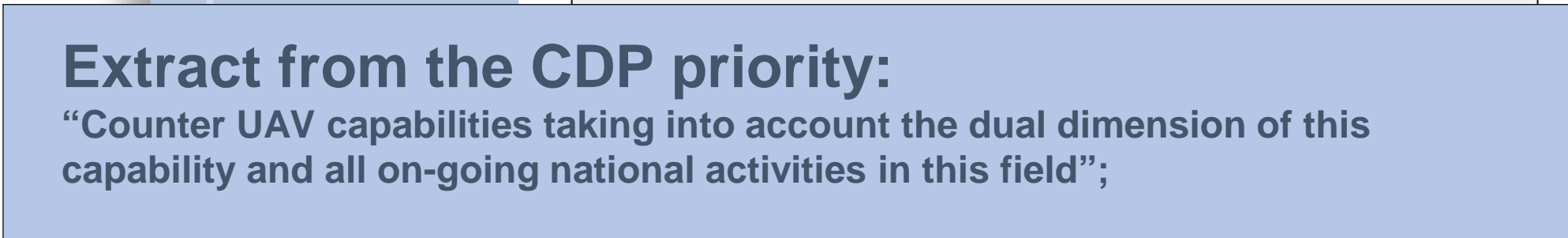


Air Superiority

Chapter 4: Avenues of Approach (for each module)



A2AD Module (incl C-UAV)



Extract from the CDP priority:
“Counter UAV capabilities taking into account the dual dimension of this capability and all on-going national activities in this field”;

Anti-access and Area denial (A2AD) – C-UAV



State of play:

Short-term:

The development of a minimum level of protection of EU armed forces against mini-UAVs threats is a major short-term challenge.

Potential way ahead:

- Coordinate and exchange information on the national C-UAV capabilities and plans.
- Develop standards for C-UAV capabilities.

Medium-term:

Challenge; The systematic deployment of a high level of protection of deployed European armed forces against mini-UAVs threats.

Potential way ahead:

- Establish User groups for existing C-UAV systems operated by several Member States.
- Joint development of European C-UAV system based on harmonised requirements.

Anti-access and Area denial (A2AD) – C-UAV

State of play:

Long-term:

Challenge; Continuously adapt Member States' C-UAVs capabilities to the quickly changing capabilities of mini-UAVs and their potential malicious use, within an operational environment always more dependent on the electromagnetic spectrum.

Potential way ahead; Coordinated development of relevant technologies to cope with the evolution of the mini-UAVs threat to the armed forces.



Considerations

- European Defence Industrial Development Programme (**EDIDP**) work programme includes a category dedicated to C-UAS capability, with a planned budget of 13.5 M€. Projects proposals will be called in 2020 for capabilities to detect, classify, track, identify and/or counter UASs in defence scenarios.
- The possibility to operate C-UAV (**CIV-MIL dual-use**) capability within a minimum adverse impact on other systems (other defence systems, but also civil GPS receivers, mobile phones or even heart pace-makers) should also be considered.

Conclusions

- SCCs have been endorsed on 27 June 2019
- SCCs will guide available EU-funding tools (EDF)
- Top-down political support paramount and must coincide with bottom-up initiatives and concrete projects => opportunity to join efforts in CIV-MIL cooperation
- EDA as a platform to refine objectives, identify and supports projects.





MORE INFORMATION:

WWW.EDA.EUROPA.EU

FOLLOW US ON TWITTER:

[@EUDEFENCEAGENCY](https://twitter.com/EUDEFENCEAGENCY)

Dion.POLMAN@eda.europa.eu

Thank you for your attention !