

*3rd NATO Cyber Defence
Smart Defence Projects' (CD SDP)
Conference*

**“CYBER POOLING & SHARING
AND SMART DEFENCE”**

Academia, Industry and EU-NATO Cooperation



Organised by
The Ministry of Defence of Portugal (MDN)
with support from the NATO Allied Command Transformation (ACT)
NATO Industry Cyber Partnership (NICP),
CIIWA, EuroDefense and AFCEA Portugal

PORTUGAL

(Lisbon, 27-28 April 2017)

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Partners:

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Background

During the last two decades, the world has been deeply influenced by the digital revolution and the rapid pace of ICT developments. Information Age brought an unprecedented economic and social development but also created new security challenges and risks, mainly due to modern societies' increasing network dependencies. Taking into account that cyberspace has no physical borders and attending to the growing disruptive and destructive power of cyber threats, the new NATO strategic vision highlighted the need of setting-up a cooperative cyber defence capability in order to meet current and future security and defence challenges.

According to the NATO Strategic Concept, adopted in November 2010 in Lisbon, the concept of Smart Defence seeks to stimulate synergies and foster Allied Nations cooperative efforts, in order to ensure the development, acquisition and maintenance of the necessary military capabilities. Smart Defence is thus assumed by NATO as a way of non-duplication and integration of national capability development initiatives (pooling and sharing), capable of allowing a better prioritization and coordination of efforts between NATO and Allied Nations.

In the area of Cyber Defence, there are already three Smart Defence Projects: Multinational Cyber Defence Capability Development (MN CD2), Malware Information Sharing Platform (MISP) and Multinational Cyber Defence Education and Training (MNCDE&T). NATO's Smart Defence calls for a renewed cooperation culture and requires an innovative approach in order to better enhance the Alliance's cyber defence.

The joint declaration signed in Warsaw on 8 July 2016, gave a new impetus and substance to NATO-EU cooperation, highlighting the need to adopt a multidimensional framework (NATO-EU) and a synergetic approach (Smart Defence and Pooling & Sharing) in order to reinforce the NATO-EU complementarity of efforts on the field of Cyber Security and Cyber Defence.

Objectives

Building upon the encouraging results of the 1st and 2nd NATO CD SDP Conference, the 3rd edition of this Conference is intended to enhance the development of synergies, reinforcing the NATO-EU complementarity of efforts on the field of Cyber Security and Cyber Defence and stimulating the cooperation between all the Cyber Defence Smart Defence Projects. A special attention will be given to NATO's cooperation with Industry and Academia and to new NATO-EU cooperation opportunities in the field of Cyber.

In line with this idea, Cyber Defence related Projects (MNCD2, MISP and MNCDE&T) are strongly committed to join efforts and work together with industry and academia, building the necessary bridges between international and national initiatives.

This 3rd NATO CD Smart Defence Projects' Conference has the following main objectives:

- Reinforce the NATO-EU complementarity of efforts on the field of Cyber Security and CD.
- In line with the recent NATO-EU Joint Declaration, enhance the implementation of the common set of proposals by promoting a Synergetic Approach (Smart Defence and Pooling & Sharing), namely on the areas of Cyber Defence Education, Training and Exercises
- Develop synergies and stimulate the cooperation between all the NATO's CD Projects in order to foster new initiatives within this Project's cluster as well as with the wider CD community (e.g. national, international, academia and industry);
- Discuss Cyber Defence Competencies & Skills, the building of a Cyber Curriculum and the role of Academia on the development of a Cyber Workforce.
- Promote an active engagement and participation of industry and academia at NATO's and National CD Capability Development processes.
- Promote a Cyber Security and Cyber Defence strategic culture that may stimulate national synergies and foster Allies cooperation.

This event intends to offer a free, open and wide discussion forum, providing industry and academia a unique opportunity to present and discuss new ideas, solutions and technical capabilities.



DAY 1
Thursday, 27 April 2017

08H00	Conference Shuttle – Hotels (TBC) to Military Academy (Amadora)
08H30-09H15	Registration
09H15-09H30	Conference Opening – High Entity - TBD
09H30 / 10H00	Round Table Enhanced NATO Policy on Cyber Defence and NATO-EU Cooperation: Scope and Implications of the Joint NATO-EU Warsaw Summit Ambassador Luis de Almeida Sampaio (PRT Permanent Representative to NATO), Ambassador Sorin Ducaru (NATO ASG ESCD), Mr. Koen Gijssbers (NCIA GM) and Mr. Jorge Domecq (EDA Chief Executive)
10H00 / 11H15	NATO CD Smart Defence Projects and EU Cyber Pooling and Sharing Moderator: MGEN Jose Triguero de la Torre, NHQC3S
	EU Cyber Defence Roadmap: Enhancing Sharing and Collaboration Air Commodore Peter Round, EDA Capability Armaments and Technology (CAT) Director
	NATO CD Capability Development: The Role of Smart Defence Lt Col Dragomir Draganov, NHQC3S
	Multinational Projects Synchronization: NATO-EU Cooperation and future Joint Initiatives Mr Ross Rideel, ACT
	Coffee Break
11H30 / 12H45	Cyber Defence Education and Training – Building the Cyber Workforce Moderator: Col Paulo Viegas Nunes
	Multinational Cyber Defence Education and Training (MNCDE&T) LtCol Luis Carvalho, MNCDE&T Project
	CD Competency Framework and Cyber Roles: Building a Skillful Cyber Force Mr. Allard Kernkamp (NLD MoD) and Stephanie Shively (US DoD), SMEs for the MNCDE&T Project
	NATO CD E&T Strategic Plan – Vision and Future Priorities after the Warsaw Summit LCDR Patrick Salmon (US), CD Department Head, Cyber Defence Operations/ACT
	EU-NATO Cyber Cooperation on ET&E CDR Jan-Peter GIESECKE, Head of Cyber Defence Team and Action Officer, EUMS/EEAS
LUNCH	Lunch
14H00 / 15H00	Cyber Defence Information Sharing – Creating Shared Awareness and Trust Moderator: LtCol Filip GILLET, MISP Project Manager
	Malware Information Sharing Platform (MISP) LtCol Filip GILLET, MISP Project Manager To be further defined by MISP Project
	Coffee Break
15H30/ 17H30	Cyber Defence Capability Development – Enhancing Capability Building Moderator: LTC drs. P.R. (Paul) 't Hoen, MNCD2 Project Manager
	Multinational Cyber Defence Capability Development (MNCD2) LTC drs. P.R. (Paul) 't Hoen, MNCD2 Project Manager (5-10 minutes)
	DMCCI: overarching concept, challenges, Proof of Concept - NCIA SME (15 minutes)
	CSAT: Current Situation - NCIA SME (15 minutes)
	CIICS: concept, deployment, joining, show case/demo - NCIA SME (30 minutes)
	Scanning of Military Networks (Censys): idea & approach - NCIA SME (10 minutes)
	Semi-automated Responses: idea & approach - NCIA SME (10 minutes)
	CDSA: concept, show case/demo - NCIA SME (25 minutes)
17H45	End of Day1 – Conference Shuttle to Airport / Lisbon Centre Hotels



DAY 2
Friday, 28 April 2017

08H30	Conference Shuttle – Hotels (TBC) to Military Academy (Amadora)
09H30	Day 2 Conference Opening – TBC
09H30 / 10H00	Key Note EU Cyber Security and Cyber Defence Capability Building Mr. Jorge Domecq (EDA Chief Executive)
10H00 / 11H15	Cyber Defence Pooling and Sharing Moderator: Mr. Wolfgang ROEHRIG – EDA Programme Manager & Project Officer Cyber Defence Cyber Threats and Trends, EDA Mission and Projects Mr. Chris Stace, Head of Unit Information Superiority, EDA Cyber Defence Training and Exercises Platform (CDTEXP) Project João Cintra (GMV), Project Manager and José Borges (CINAMIL) EU Cyber Ranges Project Project Management Team DePoCyTE Project Project Management Team MASFAD II Project Management Team (To be further defined/updated by EDA)
	Coffee Break
11H30 / 12H45	Academia, Research and Innovation on Cybersecurity and Cyber Defence Moderator: Professor Carvalho Rodrigues, Former NATO's Science for Peace Program Director To be further defined (Academia, Enterprises, R&D Centres, Sponsors) CCD CoE – A Cooperative approach to Allied Cyber Defence Maj Christian Tschida, CCD CoE
LUNCH	Lunch
14H00 / 15H30	Industry and Cyber Defence Capability Development Moderator: NICP Representative - TBC, To be further defined (Enterprises, Sponsors)
	Coffee Break
15H45/ 17H00	NATO-EU Cooperation in the Cyber Domain Moderator: MGEN Henrique Macedo, MoD Resources Directorate, Deputy Director EU Global Strategy in the Security and Defence of Cyberspace: Implications of the Warsaw's Joint EU-NATO Declaration EU EEAS Representative Cyber Operations and Cyber NATO-EU Cooperation Mr. Ian West, Chief Cyber Security NCIA Transforming NATO C4ISR and Cyber Training: Building the Future NCI Academy (Oeiras) Mr Jean Paul Massart, NCIA Chief E&T Service Line Multinational Cyber Academia and Industry Partnership: A new and innovative approach Mr. Jamie Shea, NATO ESCD
17H15	Break
17H30	Conference Summary
18H00	Conference Close - High Entity - TBD – Conference Shuttle to Airport / Lisbon Centre Hotels



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Organizers

CD SDP Conference is organized by the Portuguese Ministry of Defence with support from the NATO Allied Command Transformation (ACT), CIIWA, EuroDefense and AFCEA Portugal together with other NATO, EU and national partners from academia, private sector and government.

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