

9-30 JUNE AND 1 JULY 2022 – [HILTON GARDEN INN](#) - BORDEAUX, FRANCE

THIRD PHASE OF THE CONSULTATION FORUM FOR SUSTAINABLE ENERGY IN THE DEFENCE AND SECURITY SECTOR (CF SEDSS III)

PROGRAMME

FOURTH CONFERENCE (29-30 JUNE 2022) &

FIRST ENERGY TECHNOLOGY SOLUTIONS CONFERENCE AND ONSITE EXHIBITION (30 JUNE – 1 JULY 2022)

The European Defence Agency (EDA) organises the 4th CF SEDSS III conference on 29 and 30 June 2022 under the auspices of the French Presidency of the Council of the European Union (EU) and hosted by the Ministry of Armed Forces of France (FR MoD) and the French Alternative Energies and Atomic Energy Commission (CEA). This conference will be combined with the 1st CF SEDSS III Energy Technology Solutions (ETS) conference on 1 July 2022 and an onsite exhibition on 30 June and 1 July hosted by the FR MoD and CEA.

TUESDAY, 28 JUNE 2022 (4TH CONFERENCE - DAY 0)

18h30 – 20h00	Conference registration (lobby)
19h30 – 22h00	Buffet dinner – networking at the hotel restaurant

WEDNESDAY, 29 JUNE 2022 (4TH CONFERENCE - DAY 1)

08h00 – 09h15	Conference registration (First floor)
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09h30 – 10h15 **1. OPENING PLENARY SESSION**

Introduction **Constantinos Hadjisavvas**, CF SEDSS III project manager, European Defence Agency
Oronzo Dalloiso, Project Adviser, European Climate, Infrastructure and Environment Executive Agency (CINEA)

Welcome addresses **Jiří Šedivý**, Chief Executive, European Defence Agency (recorded)

Keynote speech **General François-Alain Serre**, General officer for sustainable development, Joint Staff, Ministry of Armed Forces of France (FR MoD)

10h15 – 10h30 **Group photo**

10h30 – 11h00 Coffee break – networking

11h00 – 12h30 **2. PLENARY SESSION**

Setting the scene, Panagiotis Kikiras, Head of Unit Technology and Innovation, EDA

2.1 CF SEDSS III energy-related topics

2.1.1. 'Fit for 55': delivering the EU's 2030 Climate Target on the way to climate neutrality, Massimo Maraziti, Policy Officer, DG ENER, European Commission

2.2 CF SEDSS phase III work plan

2.2.1 State of play and contribution to the implementation of the EU Climate Change and Defence Roadmap, Constantinos Hadjisavvas, CF SEDSS III Project Manager, **Maja Kuzel**, CF SEDSS III Deputy Project Manager, EDA

2.2.2 Brief presentations of the six CF SEDSS III contracting studies by EDA's contractors:

2.2.2.1 WG-1: Ilias Manolis, "Current and future trends in energy efficiency and buildings performance in the EU framework – defence role and perspectives"

2.2.2.2 WG-1: Abby Semple, "Green Public Procurement (GPP) Options in the EU Defence Sector" (recorded)

2.2.2.3 WG-2: Lasse H. Hirsch, "The impact of defence activities on offshore renewable energy developments: constraints and recommendations for improving coexistence"

2.2.2.4 WG-3: Christos K. Makropoulos, "Impacts of pandemics on defence-related critical energy infrastructure: lessons from the COVID-19 pandemic"

2.2.2.5 TWG: David Bretones, "European Defence Sustainable Energy Profiles (EDESEP)"

2.2.2.6 TWG: Patrice Lefeu, "Assessment of suitable mechanisms for addressing defence energy-related topics at EU level"

Discussion

Administrative points

12h30– 14h00 Lunch break - networking

14h00 – 15h30 **3. PARALLEL SESSIONS - WORKING GROUPS (see next pages)**

15h30 – 16h00 Coffee break - networking

16h00 – 17h00 **4. PARALLEL SESSIONS - WORKING GROUPS (see next pages)**

17h00 End of the first day

17h10 – 17h30 **EU MoDs national contact points (NCPs) meeting (first floor)**

20h00 – 23h00 **Exhibition and networking dinner hosted by the French Presidency of the Council of the EU/Ministry of Armed Forces of France (Bassin des Lumières, Bordeaux)** – meet at the hotel entrance at **19h15** (FR MoD will provide the transportation to the venue and back)

THURSDAY, 30 JUNE 2022 (4TH CONFERENCE AND ONSITE EXHIBITION - DAY 2)

09h00 – 10h30 **5. PARALLEL SESSIONS - WORKING GROUPS (see next pages)**

10h30 – 11h30 Coffee break - networking and onsite exhibition

11h30 – 13h00 **6. PARALLEL SESSIONS - WORKING GROUPS (see next pages)**

13h00– 14h30 Lunch break - networking and onsite exhibition

14h30 – 15h30 **7. PARALLEL SESSIONS - WORKING GROUPS (see next pages)**

15h30 – 16h00 Coffee break - networking and onsite exhibition

16h00 – 17h00 **8. CLOSING PLENARY SESSION**

Moderator: Constantinos Hadjisavvas, CF SEDSS III Project Manager, European Defence Agency

Working groups presentation: outcome and way ahead

WG1: **David Martin Borreguero** (ES), WG2: **Jim Burke** (IE), WG3: **Ioannis Chatzalexandris** (EDA) and TWG: **Giorgos Demetriou** (EDA)

CF SEDSS III Phase III: state of play and way ahead

CF SEDSS III project management team: Maja Kuzel and **Alessandra Lazzari** (EDA)

Next event: 5th CF SEDSS III Conference: Brig. Gen. Ing. Jaroslav SCHÖN, Chief of Logistics Division, Ministry of Defence of the Czech Republic (under the auspices of the **Czech Presidency of the Council of the EU** – hosted by the **Czech Ministry of Defence**), **30 November-1 December 2022, Prague**

Concluding remarks

Jean-François Ripoche, Director Research, Technology & Innovation, European Defence Agency

17h00 End of 4th conference

17h00 – 18h00 **Onsite exhibition “Strategic autonomy in the defence energy sector”**

19h30 – 22h00 Buffet dinner – networking at the hotel

4th CF SEDSS III CONFERENCE, DAY 1
WEDNESDAY, 29 JUNE 2022

3. PARALLEL SESSION – WORKING GROUPS (14H00 – 15H30)

WG1 Energy Efficiency and Buildings Performance	WG2 Renewable Energy Sources	WG3 Protection of Critical Energy Infrastructure	WG Transversal
<p>Team leader: Ilias Manolis (EL) Moderator: David Martin Borreguero (ES) EDA: Alessandra Lazzari (EDA) DG ENER: Massimo Maraziti</p>	<p>Team leader: Jim Burke (IE) Moderators: Dirk Wauman (BE) Maja Kuzel (EDA) DG ENER: Henrik Dam</p>	<p>Team leader: Ioannis Chatzalexandris (EDA) Moderators: Alexandru Georgescu (RO) Nicolas Mazzucchi (FR)</p>	<p>Team leader: Giorgos Demetriou (CY) Deputy team leader: Moritz Haller (EDA) Moderators: - Policy & Management Observatory: Gintaras Labutis (LT), Xander Beks (NL) - Technology, Research & Innovation Hub: Robert Sipek (SI), Nicholas Kyriakides (CY) - Financing & Funding Gateway Cell: Pierre Di Toro (EDA) CINEA: Oronzo Daloiro</p>
<p>1. OPENING REMARKS Tour de Table WG1 Agenda & objectives</p> <p>2. PRESENTATION OF WG1 CONTRACTING STUDIES</p> <p>2.1 Current and future trends on energy efficiency and buildings performance in EU Framework. Defence role and perspectives. Col. Ilias Manolis (EL MoD), WG1 Team Leader</p> <p>2.2 Green Public Procurement (GPP) Options in the EU Defence Sector. Abby Semple, Greenville Procurement Partners (recorded)</p>	<p>1. OPENING REMARKS Tour de Table WG2 Agenda & objectives</p> <p>2. PRESENTATION OF WG2 STUDIES</p> <p>2.1 The impact of defence activities on offshore renewable energy developments: constraints and recommendations for improving coexistence Lasse Hirsch, Vestas</p>	<p>1. OPENING REMARKS Tour de Table – WG3 Agenda</p> <p>2. PRESENTATION OF WG3 CONTRACTING/RESEARCH STUDIES - Part I Alexandru Georgescu (ICI), WG3 Moderator</p> <p>2.1 Impacts of pandemics on defence-related critical energy infrastructure Christos Makropoulos, National technical University of Athens (NTUA)</p>	<p>1. OPENING REMARKS Tour de Table TWG Agenda & objectives</p> <p>2. PRESENTATION OF TWG CONTRACTING STUDIES</p> <p>2.1 Assessment of suitable mechanisms On behalf of Patrice Lefeu, Consultant, Constantinos Hadjisavvas (EDA)</p> <p>2.2 European Defence Sustainable Digital Profiles (EDESEP) David Bretones, ISDEFE</p>

<p>presentation moderated by WG1 team leader/moderator)</p>	<p>2.2 Defining the key requirements for an energy storage selection decision support tool for homeland defence installations (under development) Stephen Collier</p>	<p>2.2 Impact of climate change to defence-related critical energy infrastructure (links with the EU Climate Change and Defence Roadmap and the Strategic Compass) Constantinos Hadjisavvas, EDA Ricardo Tavares da Costa, JRC</p>	<p>3. FINANCING & FUNDING CELL GATEWAY</p> <p>3.1 The LIFE calls 2022, Oronzo Daloiso, CINEA</p> <p>3.2 Barriers to access EU funding by MoDs. Outcome of the questionnaire, Pierre Di Toro, EDA</p>
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COFFEE BREAK – NETWORKING (15H30-16H00)

4. PARALLEL SESSION – WORKING GROUPS (16h00-17h00)

<p>WG1 Energy Efficiency and Buildings Performance</p>	<p>WG2 Renewable Energy Sources</p>	<p>WG3 Protection of Critical Energy Infrastructure</p>	<p>WG Transversal</p>
<p>3. PRESENTATION OF WG1 PROJECT IDEAS</p> <p>3.1 REFASYS Annamaria Scalingi (IT MoD) and Marianna Segreto (ENEA)</p> <p>3.2 MIL-BEHAVIOUR Manfred Sargl (Bundeswehr University) and Konstantinos Sioulas (CRES) Followed by potential break-out sessions with interested MS and EY support</p> <p>4. ANALYSIS OF WG1 RELATED INFORMATION COLLECTED FROM MODs: MoDs' VEHICLE FLEETS QUESTIONNAIRE</p>	<p>3. OFFSHORE ENERGY AND DEFENCE</p> <p>3.1 Dealing with the challenges of offshore wind installations Daniel Mortensen (Ørsted)</p> <p>3.2 The challenges of electrification of energy and H2 production based on wind generation Ivan Komusanac (Wind Europe – Electrification Working Group)</p> <p>3.3. EDA's new project on offshore energy (Horizon Europe) Maja Kuzel (EDA)</p>	<p>2. PRESENTATION OF WG3 RESEARCH STUDIES -TTX - Part II</p> <p>2.3 Hybrid threats impact on energy infrastructure (table-top exercise and study) Constantinos Hadjisavvas, EDA</p> <p>2.4 Hybrid threats – Questionnaire (Perception and expectation of the TTX) Ioannis Chatzialexandris (EDA) Team Leader-WG3 Matias Krempel-DKE (CENELEC) (DE)</p>	<p>4. VirMES PROJECT AS FOUNDATION FOR RESEARCH-BASED COLLATERAL ACTIVITIES Robert Sipec (SI MoD) and Nicolas Kyriakides (CY), TWG moderators</p> <p>5. VirMES-RELATED RESEARCH TOPIC: ENERGY TECHNOLOGY & MANAGEMENT WITH INPUT FOR POLICYMAKERS (ASSESSMENT FOR A POLICY TOOLBOX) Xander Beks (NL MoD), TWG moderator</p> <p>6. THE TRIANGULAR (“TRIPLE HELIX”) APPROACH TO THE ASSESSMENT OF ENERGY MANAGEMENT AT INSTALLATION/BASE LEVEL Gintaras Labutis (LT MoD), TWG moderator</p>

End of Day 1

4th CF SEDSS III CONFERENCE & ON-SITE EXHIBITION, DAY 2
THURSDAY, 30 JUNE 2022

5. PARALLEL SESSION – WORKING GROUPS (09H00 – 10H30)

WG1 Energy Efficiency and Buildings Performance	WG2 Renewable Energy Sources	WG3 Protection of Critical Energy Infrastructure	WG Transversal
<p>5. FOLLOW UP ON THE EUROPEAN GREEN DEAL AND RENOVATION WAVE DEVELOPMENTS – EPBD/ EED DIRECTIVES/ IMPLICATIONS FOR THE DEFENCE SECTOR Pau Garcia Audi recorded presentation, DG ENER</p> <p>Followed by a discussion with MoDs delegates</p>	<p>6. REVIEW OF DELIVERABLES FOR FIRST CYCLE (PART I)</p> <p>6.1 Islanding of installations Henrik Dam, DG ENER</p> <p>6.2 H2 technologies for heavy vehicles Jim Burke, WG2 Team leader</p> <p>6.3 RED II review Dirk Wauman (BE MoD), WG2 moderator</p>	<p>3. REVIEW OF DELIVERABLES FOR FIRST CYCLE</p> <p>3.1 Project Fact-sheets Alexandru Georgescu (ICI RO), WG3 Moderator</p> <p>3.2 Guidance Document Nicolas Mazzucchi (CESM), WG3 Moderator</p> <p>4. WG3- VARIOUS TOPICS</p> <p>4.1 Energy Data Hack 2022 Noemie Rebiere, FR MoD</p>	<p>7. THE MATURITY MODELS FOR ENERGY EFFICIENCY AND ENERGY RESILIENCE Gintaras Labutis (LT MoD), TWG moderator</p> <p>8. TRANSFORMATIONAL LEADERSHIP IN MILITARY ORGANISATIONS ACCELERATING ENERGY TRANSITION Xander Beks (NL MoD), TWG moderators</p> <p>9. BREAKOUT SESSION</p> <p>9.1 TWG DELIVERABLES AND EVENTS Discussion on:</p> <ul style="list-style-type: none"> - project ideas development - future studies - ad-hoc expert meetings - thematic workshops <p>Led by the moderators</p>

COFFEE BREAK - NETWORKING & ONSITE EXHIBITION (10H30-11H30)

6. PARALLEL SESSION – WORKING GROUPS (11H30-13H00)

WG1 Energy Efficiency and Buildings Performance	WG2 Renewable Energy Sources	WG3 Protection of Critical Energy Infrastructure	WG Transversal
<p>6. UPDATE ON “ENSSURE” PROJECT Delphine Labry, FR MoD</p> <p>7. CONTINUATION OF DISCUSSIONS ON THE PROJECT IDEAS DEVELOPMENT AND CONTRACTING STUDIES OF WG1 Presentation on proposed topic for WG1 subcontracting study n.3, “Barriers to Success and Solutions to Implementing Energy Efficiency Measures in Defence Buildings and Sites”, IE MoD Team Leader, Moderator and Participants</p>	<p>7. REVIEW OF DELIVERABLES FOR THE FIRST CYCLE (PART II)</p> <p>7.1 Decarbonisation challenges Jim Burke, WG2 Team leader</p> <p>7.2 Review of the Guidance Document – WG2 Input Maja Kuzel, EDA</p> <p>8. CONSIDERATION OF TOPICS FOR 2ND CYCLE OF PHASE III Discussion (moderated by Jim Burke)</p>	<p>5. WG3 DELIVERABLES- Phase II DISCUSSION ON PROJECT IDEAS DEVELOPMENT AND FUTURE STUDIES AND EVENTS (Team Leader-Moderators-WG3)</p> <p>5.1 Financial Perspective of EU CEI Thierry Bros (Sciences Po)</p> <p>5.2 Ownership Perspective of EU CEI Nicolas Mazzucchi (CESM), WG3 Moderator</p> <p>6. TIMELINE OF ACTIVITIES IN VIEW OF THE NEXT PLENARY MEETING (Team Leader – Moderators)</p>	<p>10. BREAKOUT SESSIONS (in the room) Lead by the moderators</p> <p>10.1 TWG Deliverables Discussion on project ideas development and future studies, ad-hoc meetings and thematic workshops</p>

LUNCH BREAK – NETWORKING & ONSITE EXHIBITION (13H00-14H30)

7. PARALLEL SESSION – WORKING GROUPS (14H30-15H30)

WG1 Energy Efficiency and Buildings Performance	WG2 Renewable Energy Sources	WG3 Protection of Critical Energy Infrastructure	WG Transversal
<p>8. SUMMARY - CLOSING REMARKS: OUTCOMES FOR THE PLENARY SESSION</p>	<p>8. WG2 CONCLUSIONS AND CONSIDERATION OF INTER-SESSIONAL WORK BEFORE THE PRAGUE CONFERENCE Discussion (moderated by Jim Burke)</p>	<p>7. CONCLUSIONS OF PLENARY SESSION-WAY AHEAD-CLOSING REMARKS Team Leader</p>	<p>11. CONCLUSIONS</p> <p>11.1 Timeline of activities in view of the next plenary meeting Team Leader – Moderators</p> <p>11.2 Consideration of topics for 2nd cycle of phase III -Discussion</p>

COFFEE BREAK – NETWORKING & ONSITE EXHIBITION (15H30-16H00)

FRIDAY, 1 JULY 2022 (1ST ENERGY TECHNOLOGY SOLUTIONS CONFERENCE AND ONSITE EXHIBITION – DAY 3)

Strategic autonomy in the defence energy sector

The 1st CF SEDSS III Energy Technology Solutions (ETS) conference, the first of its kind since the CF SEDSS project started in 2015, aims to ensure that the defence sector will keep up to date with the technological developments within the energy domain. It will allow the CF SEDSS community to engage with the industry, academia, and other research and technology organisations and expand knowledge on cutting-edge energy solutions that can be applied in the defence sector. The event will feature several presentations, providing insights on how to make defence more energy-efficient and resilient. Also, an onsite exhibition focusing on strategic energy autonomy in defence will allow interested companies and industry to showcase innovative energy technologies, services and products relevant to the defence sector.

09h00 – 09h30

OPENING PLENARY SESSION

Introduction - **Constantinos Hadjisavvas**, CF SEDSS III project manager, European Defence Agency

Welcome addresses

Jean-François Ripoché, Director Research, Technology & Innovation, European Defence Agency

Hélène Burlet, Energies Direction, French Alternative Energies and Atomic Energy Commission (CEA)

Keynote speech

Christophe Poinssot, General Director of French Geological Survey (BRGM)

09h30 – 10h15

Part I. PANEL DISCUSSION “INDUSTRIAL ACTIVITIES IN THE DEFENCE LANDSCAPE (RESEARCH, PROJECTS, FUNDING)”

The 1st panel will address the issues of the autonomy of the industrial value chain in the defence energy sector in a context of energy transition and highlight possible synergies between civilian and defence sectors. The questions of research and development activities, coordination at the European level, and funding for projects will be discussed by experts in the field.

Setting the scene: **Nicolas Mazzucchi**, Research Director, CESM (Strategic Studies Center of the French Navy)

1st Speaker: **P.A.V (Peter) van Hooft**, TNO (Netherlands): challenges of the energy transition applied to the defence sector: opportunities and constraints

2nd Speaker: **Thierry Priem**, Storage and Flexibility Solution Program Manager, CEA (Batteries European Partnership Association: lessons learned and forecast from the building of a European industrial cluster

3rd Speaker: **Dujon Goncalves-Collins**, Senior Strategy Advisor at Vattenfall and Co-chair of WindEurope’s TF Aviation and Defence: how wind industry can advance defence energy transition

10h15-11h00

Part II. PANEL DISCUSSION “DEPLOYING ENERGY TECHNOLOGIES IN THE DEFENCE SECTOR”

The 2nd panel will discuss the feasibility and the implementation of new energy technologies in the defence sector, from efficient and resilient energy camps to the storage issues for mobility (batteries and hydrogen). The use of the already existing technologies and those in the development or experimental phases may be limited by necessary military requirements in the military domain.

Setting the scene: Moderator: Gaëlle Mistrulli, Communication – Defence Programme of the Technology Research Division, CEA

1st Speaker: Laurent Guerin, NovaKamp: sustainable deployed camp, what solutions for the operations? (energy-efficient and resilient military camps, electricity storage, micro-grids)

2nd Speaker: Ludovic Madier, Director of the Energy BU - Hensoldt Nexaya: Challenges and opportunities of hydrogen energy storage for military applications

3rd Speaker: Hélène Burlet, Energies Direction, French Alternative Energies and Atomic Energy Commission (CEA): Solar PV for stand-alone systems: potential, limitations and applications

11h00 – 14h00

Part III. ONSITE EXHIBITION “STRATEGIC AUTONOMY IN THE DEFENCE ENERGY SECTOR”

Maja Kuzel, CF SEDSS III Deputy Project Manager, EDA

In this innovative exhibition, bringing together industry and the defence sector, European companies will have the opportunity to showcase their smart energy technologies that can be applied in the defence sector to increase its strategic energy autonomy.

11h30 - 14h00

During the exhibition, there will be coffee and finger food stations

14h00**End of Conference**