

23-24 NOVEMBER 2021

## THIRD VIRTUAL CONFERENCE PROGRAMME

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

*The European Defence Agency (EDA) organises this event under the auspices of the Slovenian Presidency of the Council of the EU and the Ministry of Defence of Slovenia (SI MoD).*

### TUESDAY, 23 NOVEMBER 2021 (DAY 1)

09h25 – 09h30 Participants to connect to the plenary session (calendar invitation with the link has been sent)

09h30 – 10h15 **1. OPENING PLENARY SESSION**

#### Introduction

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

#### Welcome addresses

**Uroš Lampret**, State Secretary of the Republic of Slovenia - Presidency of the Council of the EU

**Jiří Šedivý**, Chief Executive, European Defence Agency

**Jerneja Jug Jerše**, Head of Representation, Representation in Slovenia, European Commission

#### Keynote speech: "Decarbonising defence sector through hydrogen energy technologies"

**Bart Biebuyck**, Executive Director, Fuel Cells and Hydrogen Joint Undertaking (FCH JU)

10h15– 10h30 Coffee break



10h30 – 12h15 **2. PLENARY SESSION**

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

### 2.1 CF SEDSS phase III work plan

**Constantinos Hadjisavvas**, CF SEDSS III Project Manager and **Maja Kuzel**, CF SEDSS III Deputy Project Manager, EDA

### 2.2 Boosting the defence energy transition

**2.2.1. 'Fit for 55': delivering the EU's 2030 Climate Target on the way to climate neutrality**, **Claudia Canevari**, Head of Unit, DG ENER, European Commission

**2.2.2. LIFE programme support for a sustainable, green and decarbonised Europe**, **Christian Strasser**, Head of Unit, CINEA, European Commission

**2.2.3. The EU's Climate Change and Defence Roadmap**, **Raphaela Engel**, Policy Officer, EEAS

**2.2.4. European Defence Fund boosting defence energy-related projects: unlocking opportunities** - **Michal Piwowar**, Policy Officer, Defence Industry and Market Policy, DG DEFIS

**2.2.5. EDA's European Funding Gateway for Energy in Defence**, **Pierre Di Toro**, Policy Officer Industry Strategy and Analysis, EDA

**2.2.6. Slovenian defence energy-related best practices**, **Colonel Robert Šipec**, Armament Division Head, Slovenia Ministry of Defence

### Discussion

12h15 – 13h30 Lunch break

13h20 – 13h30 Participants to connect to the WebEx of their respective WGs (a calendar invitation with the link has been sent)

13h30 – 15h00 **3. PARALLEL SESSIONS - WORKING GROUPS (see next pages)**

15h00 – 15h30 Coffee break

15h30 – 17h00 **4. PARALLEL SESSIONS - WORKING GROUPS (see next pages)**

17h00 **End of first day**



**WEDNESDAY, 24 NOVEMBER 2021 (DAY 2)**

08h50-09h00 Participants to connect to the WebEx of their respective WGs (a calendar invitation with the link has been sent)

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

10h30 – 11h00 Coffee break

11h00 – 12h30 **6. PARALLEL SESSIONS - WORKING GROUPS (see next pages)**

12h30– 13h30 Lunch break - networking

13h30 – 14h30 **7. PARALLEL SESSIONS - WORKING GROUPS (see next pages)**

14h30 – 15h00 Coffee break

14h50 – 15h00 Participants to connect to the plenary session (calendar invitation with the link has been sent)

15h00 – 16h00 **8. CLOSING PLENARY SESSION**

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

**Working groups presentation: outcome and way ahead**

WG1: Ilias Manolis (EL), WG2: Jim Burke (IE), WG3: Ioannis Chatzialexandris (EDA) and TWG: Giorgos Demetriou (EDA)

**CF SEDSS III Phase III: state of play & way ahead**

**CF SEDSS III project management team:** Constantinos Hadjisavvas, Maja Kuzel and Alessandra Lazzari

**Next event: 4<sup>th</sup> CF SEDSS III Conference and 1<sup>st</sup> back-to-back CF SEDSS III Energy Technology Solutions conference** (under the auspices of the **French Presidency of the Council of the EU** – hosted by the **Ministry of Armed Forces of France** and the **French Alternative Energies and Atomic Energy Commission (CEA)**, **8-10 June 2022, Grenoble, France.**

**Noémie Rebière**, Analyst, Operational Energy Department, FR MoD

**Concluding remarks**

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

16h00 **End of conference**

**TUESDAY, 23 NOVEMBER 2021 (DAY 1)**

**3. PARALLEL SESSIONS - WORKING GROUPS (13H30 – 15H00)**

| <b>WG1 Energy Efficiency and Buildings Performance</b>  | <b>WG2 Renewable Energy Sources</b>   | <b>WG3 Protection of Critical Energy Infrastructure</b>   | <b>WG Transversal</b>   |
|---|---|---|---|
| <p><b>Team leader:</b> Ilias Manolis (EL)<br/><b>Moderator:</b> David Martin Borreguero (ES)<br/><b>EDA:</b> Alessandra Lazzari<br/><b>DG ENER:</b> Massimo Maraziti</p> <p><b>1. OPENING REMARKS</b><br/>Tour de Table - WG1 Agenda</p> <p><b>2. PRESENTATION OF WG1 CONTRACTING STUDIES</b></p> <p>2.1 Current and future trends on energy efficiency and buildings performance in EU Framework. Defence role and perspectives<br/>Col. <b>Ilias Manolis</b> (EL MoD, WG1 Team Leader)</p> <p>2.2 Green Public Procurement (GPP) Options in the EU Defence Sector<br/><b>Abby Semple</b> (Greenville Procurement Partners)</p> <p><b>3. PRESENTATION OF WG1 PROJECT IDEAS</b><br/>3.1 REFASYS<br/><b>IT MOD</b> and <b>Maria-Anna Segreto</b> (ENEA)</p> <p>3.2 MIL BEHAVIOUR PROJECT<br/><b>Manfred Sargl</b> (Bundeswehr University Munich) and <b>DE MoD</b></p> | <p><b>Team leader:</b> Jim Burke (IE)<br/><b>Moderators:</b> Dirk Wauman (BE)<br/>Maja Kuzel (EDA)<br/><b>DG ENER:</b> Henrik Dam</p> <p><b>1. OPENING REMARKS</b><br/>Tour de Table – WG2 Agenda</p> <p><b>2. CF SEDSS III WG2 WORK PLAN</b><br/>- State of play (objectives)<br/>- Deliverables and timelines (project ideas, contracting studies and guidance document)<br/><b>Jim Burke</b> (IE, WG2 team leader)</p> <p><b>3. MAKING DEFENCE READY FOR HYDROGEN TECHNOLOGY</b><br/>Discussion with Mr <b>Bart Biebuyck</b> (FCH JU Executive Director)</p> | <p><b>Team leader:</b> Ioannis Chatzialexandris (EDA)<br/><b>Moderators:</b> Alexandru Georgescu (RO)<br/>Nicolas Mazzucchi (FR)<br/><b>DG ENER:</b> Remi Mayet<br/>Beatriz Sinobas</p> <p><b>1. OPENING REMARKS</b><br/>Tour de Table - WG 3 Agenda</p> <p><b>2. CF SEDSS III WG-3 WORK PLAN</b><br/>- State of play (objectives)<br/>- Deliverables and timelines (project ideas, contracting studies and guidance document)</p> <p><b>3. CF SEDSS III GUIDANCE DOCUMENT</b><br/>Review of WG3 recommendations<br/><b>Nicolas Mazzucchi</b> (FR, WG3 moderator)</p> <p><b>4. PCEI POSITION PAPER</b><br/><b>Alexandru Georgescu</b> (RO, WG3 moderator)</p> | <p><b>Team leader:</b> Giorgos Demetriou (EDA)<br/><b>Deputy team leader:</b> Moritz Haller (EDA)<br/><b>Moderators:</b><br/>- <b>Policy &amp; Management Observatory:</b> Gintaras Labutis (LT), Xander Beks (NL)<br/>- <b>Technology, Research &amp; Innovation Hub:</b> Robert Sipek (SI), Nicholas Kyriakides (CY)<br/>- <b>Financing &amp; Funding Gateway Cell:</b> Pierre Di Toro (EDA)<br/><b>DG ENER:</b> Claudia Canevari<br/><b>CINEA:</b> Oronzo Daloiso</p> <p><b>1. OPENING REMARKS</b><br/>Tour de Table - TWG Agenda</p> <p><b>2. CF SEDSS III TWG WORK PLAN</b><br/>- State of play (objectives)<br/><b>Giorgos Demetriou</b> (EDA, TWG team leader)<br/>- Deliverables and timelines (project ideas, contracting studies and guidance document)<br/><b>Jennifer Fiebig-Schulze</b> (DE)</p> <p><b>3. FINANCING AND FUNDING OPPORTUNITIES IN DEFENCE ENERGY TOPICS:</b><br/>3.1 The new panorama, <b>Pierre Di Toro</b> (EDA);<br/>3.2. EDF support for energy efficiency and environmental transition projects, <b>Michal Piwowar</b> (DG DEFIS);</p> |

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| <p>3.3 DEBI – TBC</p> <p>3.4 EY consultation with WG-1 for project ideas: ideas elaboration and development</p> <p>Discussion with <b>Patrice Lefeu</b> (EY)</p> |  |  | <p>3.3 CINEA and the European Green Deal: funding programmes to support a sustainable, connected and decarbonised Europe, <b>Oronzo Dalloiso</b> (CINEA);</p> <p>3.4 Key barriers for MoD access to EU funding: questionnaire and next steps, <b>Pierre Di Toro</b> (EDA) and <b>Patrice Lefeu</b> (EY).</p> |
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**TUESDAY, 23 NOVEMBER 2021 (DAY 1)**

**4. PARALLEL SESSIONS - WORKING GROUPS (15H30 – 17H00)**

| <b>WG1 Energy Efficiency and Buildings Performance</b>   | <b>WG2 Renewable Energy Sources</b>   | <b>WG3 Protection of Critical Energy Infrastructure</b>  | <b>WG Transversal</b>  |
|--|---|--|--|
| <p><b>4. ANALYSIS OF WG1 RELATED INFORMATION COLLECTED FROM MODS</b><br/>- followed by roundtable discussion</p> <p>4.1 Information from WG1 “Umbrella” questionnaire</p> <p>4.2 Information from WG1 “Renovation Wave” questionnaire</p> <p>4.3 Information from WG1 “MoDs’ vehicle fleets” questionnaire</p> | <p><b>4. HOW WINDEUROPE CAN ASSIST THE MINISTRIES OF DEFENCE IN ADDRESSING CHALLENGES IN OFFSHORE RENEWABLE ENERGY</b><br/><b>Dujon Goncalves Collins</b> (Senior Strategy Advisor at Vattenfall - Chair of WindEurope’s Aviation Task Force)</p> <p><b>5. WG2 CONTRACTING STUDIES UPDATE</b></p> <p>5.1 Offshore Energy Study<br/><b>Lasse Hirsch</b> (LHH Consulting)</p> <p>5.2 Energy Storage Selection Decision Support Tool<br/><b>Maja Kuzel</b> (EDA)</p> | <p><b>5. HYBRID THREATS IMPACT ON DEFENCE-RELATED CRITICAL ENERGY INFRASTRUCTURE</b><br/>- overview, table-top exercise and study<br/><b>Constantinos Hadjisavvas</b> (EDA)<br/><b>Giorgos Giannopoulos</b> (JRC)</p> <p><b>6. WG3 CONTRACTING AND RESEARCH STUDIES UPDATE</b></p> <p>6.1 Impacts of pandemics on defence-related critical energy infrastructure: lessons from the COVID-19 pandemic<br/><b>Christos Makropoulos</b> (NTUA)</p> <p>6.2 Impact of climate change on defence-related critical energy infrastructures<br/><b>Constantinos Hadjisavvas</b> (EDA)<br/><b>Ricardo Tavares Da Costa</b> (JRC)</p> | <p><b>4. TECHNOLOGY, RESEARCH &amp; INNOVATION</b></p> <p>4.1. Making defence ready for hydrogen technology<br/>Discussion with Mr <b>Bart Biebuyck</b> (FCH JU Executive Director)</p> <p>4.2 Digital Twins and use of advance processing in greening defence<br/><b>Tomaž Katrašnik</b> (University of Ljubljana)</p> <p>4.3 Use of earth observation and satellite technologies for monitoring and protection of critical energy infrastructure<br/><b>Ass. Prof. Chris Danezis</b> (Cyprus University of Technology)</p> <p>4.4 Military Energy Communities (MEC) to Combat Power Security Risks in Critical Energy Infrastructure<br/><b>Dr. Ioannis P. Glekas</b> (CY MoD)</p> <p>Discussion</p> |

**WEDNESDAY, 24 NOVEMBER 2021 (DAY 2)**  
**5. PARALLEL SESSIONS - WORKING GROUPS (09H00 – 10H30)**

| <b>WG1 Energy Efficiency and Buildings Performance</b>   | <b>WG2 Renewable Energy Sources</b>   | <b>WG3 Protection of Critical Energy Infrastructure</b>  | <b>WG Transversal</b>   |
|--|---|--|---|
| <p><b>5. ENEURON PROJECT - LISBON NAVAL Base PILOT - OPTIMISING THE DESIGN AND OPERATION OF LOCAL ENERGY COMMUNITIES IN A MILITARY BASE</b><br/><b>Francisco Cunha Gomes</b> (PT Navy) and <b>Rafael Oliveira Rodrigues</b> (EDP)</p> <p><b>6. DEVELOPMENT OF A DEFENCE NON-OPERATIONAL BUILDINGS LONG-TERM RENOVATION STRATEGY (LTRS). EL MOD EXAMPLE</b><br/><b>Constantinos Papapolyzos</b> (Managing Partner, TREK DEVELOPMENT SA)</p> | <p><b>6. UPDATE ON THE BREAKOUT SESSION TOPICS</b></p> <p>6.1 Decarbonisation challenges<br/><b>Jim Burke</b> (IE, WG2 team leader)</p> <p>6.2 Islanding of Installations<br/><b>Henrik Dam</b> (DG ENER)</p> <p>6.3 H2-Technology for Military Vehicles<br/><b>Jim Burke</b> (IE, WG2 team leader)</p> | <p><b>7. BREAKOUT SESSION I - PROJECT PROPOSAL DEVELOPMENT</b><br/><b>Team Leader-Moderator (sub-groups)</b></p> <p>7.1 Defence Energy Range (DER)</p> <p>7.2 Data Protection for Defence Energy (DPDE)</p> <p>7.3 Other proposals</p> | <p><b>5. POLICY &amp; MANAGEMENT</b></p> <p>5.1. How to affect soldiers' pro-environmental behaviour?<br/><b>Gintaras Labutis</b> (LT MoD, TWG Moderator)</p> <p>5.2 A Toolbox design to facilitate environmental policy and stakeholders to work on contracts, innovations in energy management<br/><b>Xander Beks</b> (NL MoD, TWG Moderator)</p> <p>5.3 Energy scorecard for military and defence (energy indicators) - links with the other WGs<br/><b>Gintaras Labutis</b> (LT MoD, TWG Moderator)</p> <p>Discussion</p> |

**WEDNESDAY, 24 NOVEMBER 2021 (DAY 2)**

**6. PARALLEL SESSIONS - WORKING GROUPS (11H00 – 12H30)**

| <b>WG1 Energy Efficiency and Buildings Performance</b>   | <b>WG2 Renewable Energy Sources</b>  | <b>WG3 Protection of Critical Energy Infrastructure</b>  | <b>WG Transversal</b>  |
|--|--|--|--|
| <p><b>7. CONTINUATION OF DISCUSSIONS ON THE PROJECT IDEAS DEVELOPMENT AND OUTSOURCED STUDIES OF WG1</b><br/>Team leader, moderator, participants</p> | <p><b>7. UPDATE ON THE BREAKOUT SESSION TOPICS</b><br/>7.1 Review of RED II<br/><b>Dirk Wauman</b> (BE, WG2 moderator)</p> <p><b>8. CF SEDSS III GUIDANCE DOCUMENT</b><br/>- allocation of roles and responsibilities and discussion<br/><b>Dirk Wauman</b> and <b>Maja Kuzel</b></p> <p><b>9. ALTERNATIVE DRIVES – NEW REALITY OF MOBILITY</b><br/><b>Tomaž Katrašnik</b> (University of Ljubljana)</p> | <p><b>7. BREAKOUT SESSION II - PROJECT PROPOSAL DEVELOPMENT</b><br/><b>Team Leader-Moderator – subgroups</b></p> <p>7.1 Defence Energy Range (DER)</p> <p>7.2 Data Protection for Defence Energy (DPDE)</p> <p>7.3 Other proposals</p> <p><b>8. OPEN DISCUSSION</b><br/>- Study proposals for 2022<br/>- Ad-hoc Meetings<br/>- Thematic Workshops<br/><b>Team Leader-Moderator – subgroups</b></p> | <p><b>6. TWG CONTRACTING STUDIES UPDATE</b><br/>6.1. Assessment of suitable mechanisms for addressing defence energy-related topics at EU level<br/><b>Patrice Lefeu</b> (Consultant)<br/>Discussion</p> <p>6.2. Building EU Ministries of Defence profiles on sustainable energy<br/><b>David Bretones</b> (ISDEFE)<br/>Discussion</p> <p><b>7. TWG WORKSHOP (PART I)</b><br/>7.1 Project ideas development<br/>Defence energy-related information sheets</p> <p>7.2. Guidance document<br/>Incorporation of TWG inputs, allocation of roles and direction specifications</p> |



**WEDNESDAY, 24 NOVEMBER 2021 (DAY 2)**

**7. PARALLEL SESSIONS - WORKING GROUPS (13H30 – 14H30)**

| <b>WG1 Energy Efficiency and Buildings Performance</b>   | <b>WG2 Renewable Energy Sources</b>  | <b>WG3 Protection of Critical Energy Infrastructure</b>   | <b>WG Transversal</b>  |
|--|--|---|--|
| <p><b>8. WG1 WORK PLAN RE-CAP</b></p> <p>8.1 Deliverables<br/>Allocation of responsibilities and timelines (project ideas, studies, guidance document)</p> <p>8.2 Next WG meeting<br/>(VTC, ad-hoc expert group meetings, thematic workshops)</p> <p>8.3 4<sup>th</sup> CF SEDSS III &amp; 1st Energy &amp; Technology Solutions conference (8-10 June 2022)<br/>Proposed WG agenda items (presentations, speakers, etc.).</p> <p><b>9. SUMMARY – CLOSING REMARKS AND OUTCOMES FOR THE CLOSING PLENARY SESSION</b></p> | <p><b>10. PRESENTATION BY TERNA ENERGY GROUP</b><br/><b>Anna Chatzifoti</b> (TERNA ENERGY SA)</p> <p><b>11. WG 2 WORK PLAN RE-CAP</b></p> <p>11.1 Deliverables<br/>Allocation of responsibilities and timelines (project ideas, studies, guidance document)</p> <p>11.2 Next WG meeting<br/>(VTC, ad-hoc expert group meetings, thematic workshops)</p> <p>11.3 4<sup>th</sup> CF SEDSS III &amp; 1st Energy &amp; Technology Solutions conference (8-10 June 2022)<br/>Proposed WG agenda items (presentations, speakers, etc.).</p> <p><b>12. SUMMARY – CLOSING REMARKS AND OUTCOMES FOR THE CLOSING PLENARY SESSION</b></p> | <p><b>9. WG3 WORK PLAN RE-CAP</b></p> <p>9.1 Deliverables<br/>Allocation of responsibilities and timelines (project ideas, studies, guidance document)</p> <p>9.2 Next WG meeting<br/>(VTC, ad-hoc expert group meetings, thematic workshops)</p> <p>9.3 4<sup>th</sup> CF SEDSS III &amp; 1st Energy &amp; Technology Solutions conference (8-10 June 2022)<br/>Proposed WG agenda items (presentations, speakers, etc.).</p> <p><b>10. SUMMARY – CLOSING REMARKS AND OUTCOMES FOR THE CLOSING PLENARY SESSION</b></p> | <p><b>8. TWG WORKSHOP (PART II)</b></p> <p>8.1 Project ideas development<br/>Defence energy-related information sheets</p> <p>8.2. Guidance document<br/>Incorporation of TWG inputs, allocation of roles and direction specifications</p> <p><b>9. TWG WORK PLAN RE-CAP</b></p> <p>9.1 Deliverables<br/>Allocation of responsibilities and timelines (project ideas, studies, guidance document)</p> <p>9.2 Next TWG meeting<br/>(VTC, ad-hoc expert group meetings, thematic workshops)</p> <p>9.3. 4<sup>th</sup> CF SEDSS III &amp; 1st Energy &amp; Technology Solutions conference (8-10 June 2022)<br/>Proposed WG agenda items (presentations, speakers, etc.).</p> <p><b>10. SUMMARY – CLOSING REMARKS AND OUTCOMES FOR THE CLOSING PLENARY SESSION</b></p> |