

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 Piowar**, 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 Chatzalexandris (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: 4th CF SEDSS III Conference and 1st 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)

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 DG ENER: Massimo Maraziti</p> <p>1. OPENING REMARKS Tour de Table - WG1 Agenda</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)</p> <p>3. PRESENTATION OF WG1 PROJECT IDEAS</p> <p>3.1 REFASYS IT MOD and Maria-Anna Segreto (ENEA)</p> <p>3.2 MIL BEHAVIOUR PROJECT Manfred Sargl (Bundeswehr University Munich) and DE MoD</p>	<p>Team leader: Jim Burke (IE) Moderators: Dirk Wauman (BE) Maja Kuzel (EDA) DG ENER: Henrik Dam</p> <p>1. OPENING REMARKS Tour de Table – WG2 Agenda</p> <p>2. CF SEDSS III WG2 WORK PLAN - State of play (objectives) - Deliverables and timelines (project ideas, contracting studies and guidance document) Jim Burke (IE, WG2 team leader)</p> <p>3. MAKING DEFENCE READY FOR HYDROGEN TECHNOLOGY Discussion with Mr Bart Biebuyck (FCH JU Executive Director)</p>	<p>Team leader: Ioannis Chatzialexandris (EDA) Moderators: Alexandru Georgescu (RO) Nicolas Mazzucchi (FR) DG ENER: Remi Mayet Beatriz Sinobas</p> <p>1. OPENING REMARKS Tour de Table - WG 3 Agenda</p> <p>2. CF SEDSS III WG-3 WORK PLAN - State of play (objectives) - Deliverables and timelines (project ideas, contracting studies and guidance document)</p> <p>3. CF SEDSS III GUIDANCE DOCUMENT Review of WG3 recommendations Nicolas Mazzucchi (FR, WG3 moderator)</p> <p>4. PCEI POSITION PAPER Alexandru Georgescu (RO, WG3 moderator)</p>	<p>Team leader: Giorgos Demetriou (EDA) 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) DG ENER: Claudia Canevari CINEA: Oronzo Daloiso</p> <p>1. OPENING REMARKS Tour de Table - TWG Agenda</p> <p>2. CF SEDSS III TWG WORK PLAN - State of play (objectives) Giorgos Demetriou (EDA, TWG team leader) - Deliverables and timelines (project ideas, contracting studies and guidance document) Jennifer Fiebig-Schulze (DE)</p> <p>3. FINANCING AND FUNDING OPPORTUNITIES IN DEFENCE ENERGY TOPICS:</p> <p>3.1 The new panorama, Pierre Di Toro (EDA); 3.2. EDF support for energy efficiency and environmental transition projects, Michal Piwowar (DG DEFIS);</p>



<p>3.3 DEBI</p> <p>3.4 EY consultation with WG-1 for project ideas: ideas elaboration and development</p> <p>Discussion with Patrice Lefeu (EY)</p>			<p>3.3 LIFE Programme support for a sustainable, green and decarbonised Europe, Oronzo Daloiso (CINEA);</p> <p>3.4 Key barriers for MoD access to EU funding: questionnaire and next steps, Pierre Di Toro (EDA) and Patrice Lefeu (EY).</p>
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TUESDAY, 23 NOVEMBER 2021 (DAY 1)
4. PARALLEL SESSIONS - WORKING GROUPS (15H30 – 17H00)

WG1 Energy Efficiency and Buildings Performance	WG2 Renewable Energy Sources	WG3 Protection of Critical Energy Infrastructure	WG Transversal
<p>4. ANALYSIS OF WG1 RELATED INFORMATION COLLECTED FROM MODS - 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>4. HOW WINDEUROPE CAN ASSIST THE MINISTRIES OF DEFENCE IN ADDRESSING CHALLENGES IN OFFSHORE RENEWABLE ENERGY Dujon Goncalves Collins (Senior Strategy Advisor at Vattenfall - Chair of WindEurope’s Aviation Task Force)</p> <p>5. WG2 CONTRACTING STUDIES UPDATE</p> <p>5.1 Offshore Energy Study Lasse Hirsch (LHH Consulting)</p> <p>5.2 Energy Storage Selection Decision Support Tool Maja Kuzel (EDA)</p>	<p>5. HYBRID THREATS IMPACT ON DEFENCE-RELATED CRITICAL ENERGY INFRASTRUCTURE - overview, table-top exercise and study Constantinos Hadjisavvas (EDA) Giorgos Giannopoulos (JRC)</p> <p>6. INNOVATIVE INTEGRATED SERVICES FOR TERRESTRIAL ENERGY INFRASTRUCTURE Nil Angli (ESA)</p> <p>7. WG3 CONTRACTING AND RESEARCH STUDIES UPDATE – Part I</p> <p>7.1 Impacts of pandemics on defence-related critical energy infrastructure: lessons from the COVID-19 pandemic Christos Makropoulos (NTUA)</p> <p>7.2 Impact of climate change on defence-related critical energy infrastructures Constantinos Hadjisavvas (EDA) Ricardo Tavares Da Costa (JRC)</p>	<p>4. TECHNOLOGY, RESEARCH & INNOVATION</p> <p>4.1. Making defence ready for hydrogen technology Discussion with Mr Bart Biebuyck (FCH JU Executive Director)</p> <p>4.2 Digital Twins and use of advance processing in greening defence Tomaž Katrašnik (University of Ljubljana)</p> <p>4.3 The Role of Strategic Infrastructures for Space-based Earth Observation vis-a-vis Resilient Societies: The Example of CyCLOPS Prof. Chris Danezis (Cyprus University of Technology)</p> <p>4.4 Military Energy Communities (MEC) to Combat Power Security Risks in Critical Energy Infrastructure Dr. Ioannis P. Glekas (CY MoD)</p> <p>Discussion</p>

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

WG1 Energy Efficiency and Buildings Performance	WG2 Renewable Energy Sources	WG3 Protection of Critical Energy Infrastructure	WG Transversal
<p>5. ENEURON PROJECT - LISBON NAVAL Base PILOT - OPTIMISING THE DESIGN AND OPERATION OF LOCAL ENERGY COMMUNITIES IN A MILITARY BASE Francisco Cunha Gomes (PT Navy) and Rafael Oliveira Rodrigues (EDP)</p> <p>6. DEVELOPMENT OF A DEFENCE NON-OPERATIONAL BUILDINGS LONG-TERM RENOVATION STRATEGY (LTRS). EL MOD EXAMPLE Orestis Schinas Papadopoulos (Senior Project Finance Manager, TREK DEVELOPMENT SA)</p>	<p>6. UPDATE ON THE BREAKOUT SESSION TOPICS</p> <p>6.1 Decarbonisation challenges Jim Burke (IE, WG2 team leader)</p> <p>6.2 Islanding of Installations Henrik Dam (DG ENER)</p> <p>6.3 H2-Technology for Military Vehicles Jim Burke (IE, WG2 team leader)</p>	<p>8. WG3 CONTRACTING AND RESEARCH STUDIES UPDATE – Part II Team Leader-Moderator (sub-groups)</p> <p>8.1. The impact of EU policies related to the improvement of the Resilience of the Energy Infrastructures Vittorio Rosato (ENEA)</p> <p>8.2. EU geopolitical considerations on pipelines infrastructure Roxana Andrei</p> <p>8.3. Cybersecurity for critical entities in the Energy Sector Stefan Schauer (AT Institute of Technology)</p>	<p>5. POLICY & MANAGEMENT</p> <p>5.1. How to affect soldiers' pro-environmental behaviour? Gintaras Labutis (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 Xander Beks (NL MoD, TWG Moderator)</p> <p>5.3 Energy scorecard for military and defence (energy indicators) - links with the other WGs Gintaras Labutis (LT MoD, TWG Moderator)</p> <p>Discussion</p>

WEDNESDAY, 24 NOVEMBER 2021 (DAY 2)
6. PARALLEL SESSIONS - WORKING GROUPS (11H00 – 12H30)

WG1 Energy Efficiency and Buildings Performance	WG2 Renewable Energy Sources	WG3 Protection of Critical Energy Infrastructure	WG Transversal
<p>7. CONTINUATION OF DISCUSSIONS ON THE PROJECT IDEAS DEVELOPMENT AND OUTSOURCED STUDIES OF WG1 Team leader, moderator, participants</p>	<p>7. UPDATE ON THE BREAKOUT SESSION TOPICS</p> <p>7.1 Review of RED II Dirk Wauman (BE, WG2 moderator)</p> <p>8. CF SEDSS III GUIDANCE DOCUMENT - allocation of roles and responsibilities and discussion Dirk Wauman and Maja Kuzel</p> <p>9. ALTERNATIVE DRIVES – NEW REALITY OF MOBILITY Tomaž Katrašnik (University of Ljubljana)</p>	<p>9. BREAKOUT SESSION - PROJECT PROPOSAL DEVELOPMENT Team Leader-Moderator – subgroups</p> <p>9.1 Defence Energy Range (DER) Matias Krempel (GE Cenelec Branch)</p> <p>9.2 Data Protection for Defence Energy (DPDE) Noémie Reberie (FR MoD Joint Staff, Operational Energy Division)</p> <p>9.3 Energy infrastructure during long crises Angelo Socal (HermesBaySRL - IT)</p> <p>10. OPEN DISCUSSION - Study proposals for 2022 - Ad-hoc Meetings - Thematic Workshops Team Leader-Moderator – subgroups</p>	<p>6. TWG CONTRACTING STUDIES UPDATE</p> <p>6.1. Assessment of suitable mechanisms for addressing defence energy-related topics at EU level Patrice Lefeu (Consultant)</p> <p>Discussion</p> <p>6.2. Building EU Ministries of Defence profiles on sustainable energy David Bretones (ISDEFE)</p> <p>Discussion</p> <p>7. TWG WORKSHOP (PART I)</p> <p>7.1 Project ideas development Defence energy-related information sheets</p> <p>7.2. Guidance document Incorporation of TWG inputs, allocation of roles and direction specifications</p>

WEDNESDAY, 24 NOVEMBER 2021 (DAY 2)
7. PARALLEL SESSIONS - WORKING GROUPS (13H30 – 14H30)

WG1 Energy Efficiency and Buildings Performance	WG2 Renewable Energy Sources	WG3 Protection of Critical Energy Infrastructure	WG Transversal
<p>8. WG1 WORK PLAN RE-CAP</p> <p>8.1 Deliverables Allocation of responsibilities and timelines (project ideas, studies, guidance document)</p> <p>8.2 Next WG meeting (VTC, ad-hoc expert group meetings, thematic workshops)</p> <p>8.3 4th CF SEDSS III & 1st Energy & Technology Solutions conference (8-10 June 2022) Proposed WG agenda items (presentations, speakers, etc.).</p> <p>9. SUMMARY – CLOSING REMARKS AND OUTCOMES FOR THE CLOSING PLENARY SESSION</p>	<p>10. 115 COMBAT WING ENERGY UPGRADE Anna Chatzifoti (TERNA ENERGY SA)</p> <p>11. WG 2 WORK PLAN RE-CAP</p> <p>11.1 Deliverables Allocation of responsibilities and timelines (project ideas, studies, guidance document)</p> <p>11.2 Next WG meeting (VTC, ad-hoc expert group meetings, thematic workshops)</p> <p>11.3 4th CF SEDSS III & 1st Energy & Technology Solutions conference (8-10 June 2022) Proposed WG agenda items (presentations, speakers, etc.).</p> <p>12. SUMMARY – CLOSING REMARKS AND OUTCOMES FOR THE CLOSING PLENARY SESSION</p>	<p>11. WG3 WORK PLAN RE-CAP</p> <p>11.1 Deliverables Allocation of responsibilities and timelines (project ideas, studies, guidance document)</p> <p>11.2 Next WG meeting (VTC, ad-hoc expert group meetings, thematic workshops)</p> <p>11.3 4th CF SEDSS III & 1st Energy & Technology Solutions conference (8-10 June 2022) Proposed WG agenda items (presentations, speakers, etc.).</p> <p>12. SUMMARY – CLOSING REMARKS AND OUTCOMES FOR THE CLOSING PLENARY SESSION</p>	<p>8. TWG WORKSHOP (PART II)</p> <p>8.1 Project ideas development Defence energy-related information sheets</p> <p>8.2. Guidance document Incorporation of TWG inputs, allocation of roles and direction specifications</p> <p>9. TWG WORK PLAN RE-CAP</p> <p>9.1 Deliverables Allocation of responsibilities and timelines (project ideas, studies, guidance document)</p> <p>9.2 Next TWG meeting (VTC, ad-hoc expert group meetings, thematic workshops)</p> <p>9.3. 4th CF SEDSS III & 1st Energy & Technology Solutions conference (8-10 June 2022) Proposed WG agenda items (presentations, speakers, etc.).</p> <p>10. SUMMARY – CLOSING REMARKS AND OUTCOMES FOR THE CLOSING PLENARY SESSION</p>