



THE NATO CLIMATE CHANGE
AND SECURITY CENTRE OF EXCELLENCE

THE CONFERENCE OF
DEFENCE ASSOCIATIONS INSTITUTE



MONTREAL CLIMATE SECURITY SUMMIT

SOMMET SUR LA SÉCURITÉ CLIMATIQUE DE MONTREAL

Icebreaker Event - October 7th

18:30 - 20:30

Icebreaker Event - Cocktail Reception

Day 1 - October 8th

08:00 - 09:00

Registration and Welcome Coffee

09:00 - 09:10

Opening Remarks

Dr. Gaëlle Rivard Piché

Executive Director, CDA Institute

Mr. Mathieu Bussières

Director, CCASCOE

09:15 - 10:25

The State of Climate Security Today
Plenary Panel

Provides a knowledge baseline for the Summit, highlighting the latest scientific research and geopolitical developments in the climate security realm. It offers a concise overview of current challenges and trends, setting the stage for informed discussions throughout the event.

Ms. Erin Sikorsky

Director, Center for Climate and Security and International Military Council on Climate and Security

Dr. Kimberley Miner

Research Assistant Professor, University of Maine

Dr. Cromwell Lukorito

Vice-Chair of Intergovernmental Panel on Climate Change (IPCC) Working Group II on Adaptation, University of Nairobi

Moderator: Ms. Laura Birkman

Director of the Climate, Water, Food Security Program, The Hague Centre for Strategic Studies (HCSS)

10:25 - 10:45

Setting the stage: The Strategic Imperative for Military Adaptation
Keynote Address

Lieutenant-General Peter K. Scott, CMM, CD

Deputy Commander, Allied Joint Force Command Naples, NATO

10:45 - 11:05

Coffee Break



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SOMMET SUR LA SÉCURITÉ CLIMATIQUE DE MONTREAL

11:10 - 12:40

Regional Challenges

Session 1

Roundtable 1.1 - The MENA Region

Provides an overview of the main intersecting climate security challenges and local resilience initiatives in the Middle East and North Africa.

Ms. Christina Bouri

Research Associate, Middle East Studies, Council on Foreign Relations

Dr. Anselm Vogler

Non-Resident Fellow at the Institute for Peace Research and Security Policy at the University of Hamburg (IFSH)

Lieutenant-General Peter K. Scott, CMM, CD

Deputy Commander, Allied Joint Force Command Naples, NATO

Moderator: Dr. Grazia Pacillo

Senior Scientist and Co-Lead, CGIAR Climate Security Team

Workshop 1.2 - Adapting to Climate Change in the Arctic through Community Resilience

Dr. Yağmur Torul Yürek

Energy Security and Climate Change Staff Officer, Joint Engineering Division, SHAPE

Mr. Dustin Whalen

Physical Scientist, Natural Resources Canada

Lead: Dr. Giovanni Fusina

Research Scientist, Defence Research and Development Canada (DRDC)

Roundtable 1.3 - Eastern Europe

Explores the intersecting climate security challenges shaping defence and stability across Eastern Europe, with a focus on water scarcity, energy resilience, and the shifting operational environment for military actors.

Dr. Svitlana Krakovska

Head of Ukrainian Delegation to the IPCC, and Head of the Applied Climatology Laboratory of the Ukrainian Hydrometeorological Institute (UHMI)

Dr. Elton Qendro

National Programme Officer, OSCE Presence in Albania

Ms. Kristina Rimkunaite

Subject Matter Expert, NATO Energy Security Centre of Excellence

Mr. Marcus Hicken

Director for Energy Diplomacy, Climate and Security, German Federal Foreign Office

Moderator: Mr. Lennard de Klerk

Lead Author, Initiative on GHG accounting of war



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Roundtable 1.4 - Developing Climate Wargaming as a Learning and Decision-Making Tool

Leads:

Mr. Tom Odell

Chief Analyst, UK Defence Science and Technology Laboratory (Dstl)

Dr. Katie Woodward

Head of Research, Analysis and Lessons Learned, Nato Climate Change and Security Centre of Excellence (CCASCOE)

Mr. Rikki Parsons

Principal Wargaming Analyst, UK Defence Science and Technology Laboratory (Dstl)

Mr. Andrew Crooks

Analyst, Defence Wargaming Centre, UK Defence Science and Technology Laboratory (Dstl)

Mr. Philippe Beaulieu-Brossard

Co-President, Archipelago of Design

Ms. Donna Dupont

Board Member, Archipelago of Design

12:40 - 14:00

Lunch

14:00 - 14:20

**Assessing Climate Operational Challenges
Across Military Domains** Keynote Address

Major-General Timothy Arsenault

Deputy Commander, Canadian Joint Operations Command

14:25 - 15:55

Science and Operational Risks
Session 2

Workshop 2.1 - Geoengineering and Solar Radiation Modification

Dr. Joshua Elliot

Chief Scientist, Renaissance Philanthropy

Dr. Daniele Visoni

Assistant Professor, Earth and Atmospheric Sciences, Cornell University

Dr. Sarah Kapnick

Global Head of Climate Advisory, J.P. Morgan

Mr. Marcus Hicken

Director for Energy Diplomacy, Climate and Security, German Federal Foreign Office

Lead: Ms. Erin Sikorsky

Director, Center for Climate and Security and International Military Council on Climate and Security



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Roundtable 2.2 - Military Readiness and Climate Resilience in the Space Domain

Explores the intersection of climate change, technology, and operational risk in the space domain. Examines how space capabilities enhance climate understanding and military readiness, and how climate-driven environmental changes impact space infrastructure, satellite operations, and their critical interdependence with cyber systems.

Dr. Christine Nam

Senior Climate Scientist, Climate Service Center Germany (GERICS)

Colonel Sylvain Debarre

Director, NATO Space Centre of Excellence

Dr. Kimberley Miner

Research Assistant Professor, University of Maine

Ing. Jan Lukačević

Project Expert for Aerospace Sector, Prague Innovation Institute

Moderator: Dr. Jessica West

Senior Researcher at Project Ploughshares

Workshop 2.3 - Climate Change, Disinformation and the Cyber Domain

Explores how disinformation related to climate change, often amplified through digital platforms, undermines public trust, disrupts institutional responses, and poses growing risks to military readiness. While cyber infrastructure plays a role, the focus is on disinformation as a strategic threat, and how cross-sector collaboration can strengthen resilience across both security and civilian institutions.

Dr. Matthew Huber

Professor, Purdue University

Mr. Philip Newell

Communications Co-Chair, Climate Action Against Disinformation

Lead: Dr. Andrew Heffernan

Adjunct Professor, University of Ottawa, and Climate Associate, Information Integrity Lab



MONTREAL CLIMATE SECURITY SUMMIT

SOMMET SUR LA SÉCURITÉ CLIMATIQUE DE MONTREAL

Roundtable 2.4 - Resilience of Military Infrastructure and Equipment in the Maritime Domain

Explores the intersection of climate science, emerging technologies, and operational resilience in the maritime domain, with a particular focus on the impacts on naval infrastructure and submarine operations. Focuses on how warming oceans affect anti-submarine warfare tactics, the survivability and performance of underwater assets, and the long-term resilience of coastal bases.

Dr. Andrea Gilli

Senior Researcher in Military Affairs at the NATO Defense College in Rome and Affiliate of the Center for International Security and Cooperation of Stanford University in Palo Alto, CA

Dr. Aniello Russo

Senior scientist & Head, Climate Change and Security Section, NATO Centre for Maritime Research and Experimentation (CMRE)

Capt. Andrea H. Cameron, Ph.D., Ed.D., SPHR

Political Scientist and National Security Scholar

Moderator: Dr. Alex Kolker

Fellow, CCASCOE; Associate Professor, Louisiana Universities Marine Consortium; Head, Coastal Climates

15:55 - 16:15

Coffee Break

16:15 - 17:10

Concluding Plenary for Day 1

Leads of Day 1 Breakout Sessions

Moderators:

Ms. Pauline Baudu

Director of Climate Security Programme, CDA Institute

Ms. Jennifer Bélanger

External Relations and Partnerships Officer, CCASCOE

17:10 - 17:30

Closing Keynote

Canadian government representative (TBC)

17:30- 19:00

Networking Cocktail



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Day 2 - October 9th

08:00 - 08:45

Registration and Welcome Coffee

08:45 - 08:50

Welcoming Remarks

Ms. Jennifer Jordan-Saifi, M.V.O., MBA

Chief Executive Officer, Sustainable Markets Initiative

08:55 - 10:05

**Strategic Foresight and Climate Risk
Assessment Across Sector**

Plenary Panel

Explores how integrating climate security risks into foresight efforts can inform decision-making across sectors, from policymakers and practitioners to industry and defence. It examines the role of intelligence agencies, the use of data in climate risk assessment, and strategies for integrating climate security intelligence outputs into defence and policy planning.

Ms. Esther Babson

Climate Change and Security Lead, NATO ACT

Dr. Benjamin Pohl

Head of Climate Diplomacy and Security, Adelphi, member of the German NiKE Consortium

Ms. Marie-Sophie Mayer

Political Scientist and Climate Security Specialist, Maastricht University (Alumna)

Moderator: Ms. Lily Boland

Strategic Foresight Fellow, Converging Risks Lab of the Council on Strategic Risks

10:05 - 10:25

Coffee Break

10:25 - 11:55

**Climate Security Action and Knowledge
Exchange across the Community of Practice**

Session 3



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Workshop 3.1 - Translating Climate Security Language Across Research, Policy, and Military Planning

Mr. Emil Marc Havstrup

Research Fellow, Planetary Security Initiative and EU & Global Affairs Unit of the Clingendael Institute

Lead: Ms. Caroline Baxter

Director, Converging Risks Lab, and Senior Advisor, Center for Climate and Security (CCS), Council on Strategic Risks

Roundtable 3.2 - Improving Early Warning Cooperation

Discusses the perspective and challenges of developing a cross-sectoral and universal system of Early Warning, including against the background of the UN Secretary-General's initiative "Early Warnings for All" (EW4ALL).

Brigadier General Luca Baione

Permanent Representative of Italy to the World Meteorological Organization

Mr. Andrew Zolli

Chief Impact Officer, Planet

Moderator: Ms. Catherine Wong

Team Leader, Climate and Security Risk, United Nations Development Programme

Roundtable 3.3 - Climate Security Tools, Cross-Sectoral Data

Explores the current landscape of collaborative tools for climate security prediction and data aggregation, identifying key strengths, limitations, and opportunities for stronger cross-sectoral synergies. It addresses institutional silos and barriers to collaboration, and explores how tools can support military, policy and industry decision-makers in managing climate-related risks.

Ms. Alessandra Ussorio

Capability Development Coordinator, European Union Satellite Center–Presentation of the Climate and Environmental Security Data and Analysis (CESDA) Hub

Mr. Daniel Mittermaier

Research Associate, Center for Crisis Early Warning (CCEW), University of the Bundeswehr (German Armed Forces), Munich – Presentation of the Climate-Conflict-Vulnerability Index (CCVI)

Ms. Penny Beames

Water and Strategic Vulnerabilities Specialist, Global Water Security Center, University of Alabama – Presentation of the Pathways to Instability Framework

Mr. Tom Ellison

Deputy Director, Center for Climate and Security – Presentation of the Military Response to Climate Hazards (MiRCH) database

Moderator: Mr. Paul Rushton

Policy Officer, Defence Policy and Planning Division, NATO



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Roundtable 3.4 - Developing Climate Wargaming as a Learning and Decision-Making Tool

Leads:

Mr. Tom Odell

Chief Analyst, UK Defence Science and Technology Laboratory (Dstl)

Dr. Katie Woodward

Head of Research, Analysis and Lessons Learned, Nato Climate Change and Security Centre of Excellence (CCASCOE)

Mr. Rikki Parsons

Principal Wargaming Analyst, UK Defence Science and Technology Laboratory (Dstl)

Mr. Andrew Crooks

Analyst, Defence Wargaming Centre, UK Defence Science and Technology Laboratory (Dstl)

Mr. Philippe Beaulieu-Brossard

Co-President, Archipelago of Design

Ms. Donna Dupont

Board Member, Archipelago of Design

11:55 - 13:15

Lunch

13:15 - 13:30

Keynote

Dr. Svitlana Krakovska

Head of Ukrainian Delegation to the IPCC, and Head of the Applied Climatology Laboratory of the Ukrainian Hydrometeorological Institute (UHMI)



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13:35 - 14:45

Civil-military Cooperation on Climate Resilience

Plenary Panel

The session aims to explore barriers to effective collaboration between civil and military sectors in addressing climate challenges. The objective is to identify actionable solutions to these challenges. Topics will include disaster response coordination, dual-use infrastructure, and the role of data-sharing in managing climate risk.

Ms. Jennifer Jordan-Saifi, M.V.O., MBA

Chief Executive Officer, Sustainable Markets Initiative

Ms. Jessica Olcott Yllemo

Executive Committee, Global Military Advisory Council on Climate Change; CNA Field Representative to the Commander of the U.S. Second Fleet, CNA Corporation

Ms. Eva Cohen

Founder & President of Civil Protection Youth Canada

Brigadier General Luca Baione

Permanent Representative of Italy to the World Meteorological Organization

Moderator: Dr. Tom Deligiannis

Adjunct Professor, Department of Global Studies, Wilfrid Laurier University; Member of the Project CASA Coordinating Group

14:45 - 16:15

Increasing Military Resilience in the Face of Climate Risks: A Cross-Sectoral Approach

Session 4

Roundtable 4.1 - Advancing Civil-Military Cooperation in Emergency Management Across the Alliance

Ms. Eva Cohen

Founder & President of Civil Protection Youth Canada

Dr. Lloyd Chubbs, PhD, MEng, EP

Senior Environmental Assessment Officer, Canada Joint Operations Command

Lead: Mr. Michael Joseph Hosken

Community Resilience Research Portfolio Manager, Centre for Security Science, Assistant Deputy Minister, Defence Research and Development Canada (DRDC)

Workshop 4.2 - Mainstreaming Climate Change in Allied Defence Spending Commitments and Capability

Leads:

Mr. Paul Rushton

Policy Officer, Defence Policy and Planning Division, NATO

Colonel Giancarlo Turco

Senior Staff Officer, Policy and Capability Division, NATO International Military Staff



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SOMMET SUR LA SÉCURITÉ CLIMATIQUE DE **MONTRÉAL**

Workshop 4.3 - Increased Readiness and Resilience through Low-Carbon Warfare

Leads:

Dr. Bruno Charbonneau

Full Professor, Royal Military College Saint-Jean
Senior Scientific Advisor, CCASCOE, NATO

Dr. Duncan Depledge

Senior Lecturer, Loughborough University

16:15 - 16:35

Coffee Break

16:35 - 17:20

Closing Plenary for Day 2

Leads of Day 2 Breakout Sessions

Moderators:

Ms. Pauline Baudu

Director of Climate Security Programme, CDA Institute

Ms. Jennifer Bélanger

External Relations and Partnerships Officer, CCASCOE

17:20 - 17:35

Closing Keynote

Speaker TBC

17:35 - 17:40

Closing Remarks

Dr. Gaëlle Rivard Piché

Executive Director, CDA Institute

Mr. Mathieu Bussièrès

Director, CCASCOE

***Please note that the session times are subject to change.**