



CMDR COE ANNUAL CONFERENCE

2-3 June 2021, Sofia

AGENDA

Day I: Climate Change Implication on Security

Day II: Space Weather Environmental Modelling (NMSG-187 SWEM)

Time: 1300-1800 CET

Mode: hybrid

Time	Topic	Speakers
2 JUN: Pre-Conference		
1100-1230	Articles Presentation	For contributors only
1230-1300	Lunch	
2 JUN: Climate Change Implication on Military Activities		
1300-1400	PANEL I: Opening Remarks and Key-Notes Speakers	<p>Moderator: COL Orlin NIKOLOV</p> <p>Note taker: CIV Virginia PORTER</p> <ul style="list-style-type: none"> • Mr. Dirk DUBOIS – ESDC Head (on-line) • Jean-Dominique DULIERE, Head of Crises Responses and Exercises, NATO HQ IS Ops Div (on-line) • Mr. Yordan BOZHILOV, Sofia Forum for Security • Dr. Raed ARAFAT – Secretary of State, Ministry of Internal Affairs, Romania (on-line)
		<p>Password for Ask your lecturer</p> <p style="text-align: center;">1111</p>
1400-1410	Family Picture (F2F participants in front of CMDR COE Premises, the others online through CISCO Webex) and Technical Break	
1410-1515	PANEL II: Climate Change as a Threat Multiplier	<p>Moderator: OF-5 Plamen MILANOV</p> <p>Note taker: CIV Boris GUENOV</p> <ul style="list-style-type: none"> • <i>Cascading impacts of climate change on hazards and vulnerabilities</i> - Mr. Benjamin Wallace, SPIN Global, International Coordinator (on-line) • <i>Is NATO Ideally Placed to Manage Climate Change as a Non-Traditional Threat Multiplier?</i> - Mr. Amar CAUSEVIC, Stockholm Environment Institute (on-line)
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Time	Topic	Speakers	
		<ul style="list-style-type: none"> <i>The security implications of EU decarbonisation policies</i> - Dr. Radostina PRIMOVA, Center for the Study of Democracy in Sofia <i>Climate Change and conflict: from the fall of Rapa Nui to pastoral violence in East Africa and genocide in Darfur</i> - Dr. Cyprian KOZERA, War Studies University in Warsaw (on-line) 	
1515-1520	Technical break		
1520-1630	PANEL III: Enhancing Resilience in aspects of Climate Change challenges	<p>Moderator: COL Dimitar DIMITROV Note taker: CIV Stanislava KRAYNOVA</p> <ul style="list-style-type: none"> <i>Enhancing Societal Resilience Through Private-Public Partnerships</i> - Mr. Joel THOMAS - ISG (on-line) <i>COPDCM - Common Operation Picture in Disaster and Crisis Management and the German "Territorial Hub" approach to enhance resilience in Germany in crisis situations</i> - Dr. Konstantinos TSETSOS and MAJ STRÄTER, Bundeswehr University (on-line) <i>Climate Change Challenges to the Disaster Medical Resilience</i> - Prof Rostislav KOSTADINOV, Disaster Medicine in Medical University Plovdiv (on-line) <i>How are Disaster Response teaching has developed and is contributing directly to resilience</i> - COL David BATES, ARRC (on-line) <i>The Climate Change, Conflict and Migration Nexus in the Global Security Context</i> - Dr. Walter DAVID, Ronin Institute Montclair, NJ 	<p>Password for Ask your lecturer</p> <p>3333</p>
1520-1720	Workshop: Climate change implications on military activities: What future for crisis management?	<p>Moderator: CIV Gergana VAKLINOVA Note taker: CIV Virginia PORTER</p> <p>8 – 12 people (excluding CMDR COE staff) Invitation only.</p> <p><i>The workshop aims to provide a platform for information and knowledge exchange among relevant multi-domain stakeholders from a variety of organisations. A key objective is to identify the links between climate change and security, and further attempt at translating those into specific</i></p>	<p>Password for Ask your lecturer</p> <p>5555</p>
1630-1635	Technical Break		
1635-1750	PANEL IV: Climate Change as a new challenge for NATO	<p>Moderator: COL Orlin NIKOLOV Note taker: LTC Dobromir DAMAKOV</p> <p>Keynote: RADM John TAMMEN, DCOS Strategic Plans and Policy, ACT (on-line)</p>	<p>Password for Ask your lecturer</p> <p>4444</p>

Time	Topic	Speakers
		<ul style="list-style-type: none"> • <i>Projecting Resilience: Climate Security and Implications for NATO's Periphery</i> - Mr. Kyle King - CBI/ISG (on-line) • Mr. Steve RECCA, Dr. Joe GREEN - PDC, Hawaii (on-line) • <i>Climate change and NATO's civil emergency response mechanism</i> - Mr. Willem VANHAMME, EADRCC • <i>Overview of Jordan's Commitment to Climate Change</i> - COL (ret.) Zuhair TAMIMI, NCSCM, Jordan • <i>Is there a role for NATO Stability Policing in Environmental Protection?</i> - CWO Stefano BERGONZINI, SP COE (on-line)
1750- 1800	Results of workshop	
1800- 1810	Summary of Workshop	Col Orlin NIKOLOV
1810- 1820	Summary and closing of Day one	CIV Gergana VAKLINOVA
3 JUN: NATO Modelling and Simulation Group NMSG-187 – Space Weather Environmental Modelling		
1500-1800	<p>Moderators: COL Orlin Nikolov, COL Daniel GALLTON</p> <p>A. Presentations</p> <ol style="list-style-type: none"> 1. <i>Space Weather Environmental Modeling (SWEM)</i> - COL Daniel GALLTON, Head of the Operations and Coordination Division, STO; 2. <i>Space weather effects on satellite navigation</i> - Dr. Jens BERDERMANN, Head Department, "Space Weather Impact", DLR Institute for Solar-Terrestrial Physics 3. <i>Variations of the solar cycles and their impact on radio propagation</i>- Prof. Yavor SHOPOV, Physics Faculty, Sofia University 4. <i>Using of Artificial Intellect</i> - LTC Kostadin LAZAROV / 1-st Lieutenant Gautier NGUYEN) 5. <i>An overview of CoMIC, a new tool for Space Weather observational studies</i> - Mr. Supriya CHAKRABARTI, Lowell Center for Space Science and Technology, University of Massachusetts Lowell, Lowell, MA, USA 6. <i>Degraded Environments By Extreme SWx</i> - Prof. Mauro MESSEROTTI, Events: How to Cope With in Military Operations (1) INAF-Astronomical Observatory of Trieste, Italy (2) Department of Physics, University of Trieste, Italy 7. <i>Space Weather Forecast with the Operational WAM-IPE</i> - Dr. Tzu-Wei Fang, University of Colorado at Boulder/CIRES and NOAA/SWPC <p>B. Discussions - <i>Models, Operational impact, Contingency plan, Artificial Intellect/OpsLab</i> (LTC Kostadin LAZAROV)</p> <p><u>Notes:</u> End June – deadline articles (7-10 pages) to be received in order to be published</p>	