

Curriculum

To be reviewed by <i>February 2021</i>	Activity number 53	Climate Change and Security	ECTS 2
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<p><u>Target audience</u></p> <p>Participants would normally be mid- to senior-level staff from Member States (MS) and EU institutions and agencies. Priority will be given to:</p> <ul style="list-style-type: none"> Personnel from MS that are or will be taking part in climate change mainstreaming policy development and implementation at national or EEAS/EUMS, ECHO or DEVCO level Personnel involved in civilian protection, disaster relief and humanitarian assistance capacity building; Education and training experts, faculty advisers, professors, consultants, analysts, etc. <p>The course is also open to participants from Third Countries, International Organisations and NGOs, depending on the number of places available and the decision of the MS offering the course.</p>	<p><u>Aim</u></p> <p>The aim of this course is to enhance awareness of climate change security implications through the acquisition of basic knowledge related to global warming as a phenomenon and as a security threat multiplier, and to the impact of climate change on international peace and security. The course also aims to give an introduction to the main instruments available to address these security implications. It will increase the level of expertise in this field and will support the identification of climate-change-related hazards and threats by civil and military decision-makers, the capability development/improvement process, the planning and conduct of missions/operations and development adaptation activities that also contribute to building peace and security. The course will address future challenges and assess the EU strategic documents in this field. The training aims to foster the network of future civilian and military experts in climate change diplomacy and mitigation/adaptation policy development and implementation.</p>
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Learning outcomes	Knowledge	<ul style="list-style-type: none"> Describe key climate change trends – causes, impacts (both direct and indirect), scenarios; Describe the security implications of climate change, including climate-fragility risks and the risks to livelihoods/human security, the impact of climate change on international peace and security, natural hazards and the implications for military activities; Describe the main international fora, strategies, policies and stakeholders in climate change and climate security; Highlight the main EU strategies, policies and stakeholders in climate change mitigation and adaptation; Link the main direct and indirect impacts with CSDP/CFSP; Describe the EU's organisational structures, mechanisms and instruments for international cooperation in disaster response; Outline the EU's integrated approach to early warning and building resilience; Explain the relevance of cooperation and networking with the various stakeholders in the field.
	Skills	<ul style="list-style-type: none"> Analyse and formulate independent and well-informed opinions on climate change diplomacy; Give an accurate picture of the institutional set-up of the EU and the relevant operating procedures during disaster relief; Propose possible responses to improve the coping capacity in order to assist in building resilience to climate change and planning; Address future challenges and assess the EU strategic documents in this field.
	Competences	<ul style="list-style-type: none"> Foster the network of future civilian and military experts in climate change diplomacy; Pursue more effectively comprehensive action through cooperative problem-solving; Contribute to climate change mainstreaming policy development and implementation.

Evaluation and verification of learning outcomes

The course is evaluated according to the Kirkpatrick model: it makes use of *level 1 evaluation (based on participants' satisfaction with the course)*.

In order to complete the course, participants have to accomplish all learning objectives, which are evaluated based

on their active contribution in the residential module, including the syndicate session and practical activities, as well as on their completion of the eLearning phases: course participants finalise the autonomous knowledge units (AKUs) and pass the tests (*mandatory*), scoring at least 80 % in the incorporated out-test/quiz. Active observation by the course director/lead instructor and a feedback questionnaire filled in by course participants at the end of the course are also used.

However, no formal verification of learning outcomes is foreseen; the proposed European credit transfer system (ECTS) score is based on participants' workload only.

Course structure		
Main topic	Recommended Working Hours (of which eLearning)	Contents
<ul style="list-style-type: none"> Climate change (CC) characteristics 	6 (1)	<ul style="list-style-type: none"> Weather, climate, climate system, climate change, global warming, greenhouse gases (GHG), etc. Main causes of climate change GHG data by period, country, region, etc.
<ul style="list-style-type: none"> Main international CC policies and stakeholders 	3	<ul style="list-style-type: none"> Main tasks of and strategic documents published by the Intergovernmental Panel on Climate Change (IPCC), the USA, China, the EU, etc. The United Nations Framework Convention on Climate Change (UNFCCC), the Kyoto Protocol to the UNFCCC, the Copenhagen Accord, and the Paris Agreement Intended nationally determined contributions Key international players
<ul style="list-style-type: none"> Global (CC) scenarios and impact 	8 (1)	<ul style="list-style-type: none"> Vulnerabilities, hazards and their impact Main impacts globally – physical, biological, and human system Vulnerability in Europe: European Economic Area Report Assessment of countries and/or regions running the greatest risk of conflict and instability due to climate change Define, plan, assess main categories of adaptation options
<ul style="list-style-type: none"> Impact on security – climate change as a threat multiplier 	6	<ul style="list-style-type: none"> Climate change as a threat multiplier: climate-fragility risks and their implications for human security and geopolitics/national security and regional implications Long-term impact of climate change on security Main political fora to address climate security (e.g. the UNSC, the EU, the IPCC, the Sendai Disaster Risk Reduction Framework and Agenda 2030) and developments
<ul style="list-style-type: none"> EU resilience and adaptation policies 	4 (1)	<ul style="list-style-type: none"> European Union Global Strategy Strategic approach to resilience in the EU's external action EU strategy on adaptation to climate change Integrated Arctic policy
<ul style="list-style-type: none"> Climate change & military capability development 	4 (1)	<ul style="list-style-type: none"> Military capabilities and tasks Use of military assets in the framework of CSDP Military role in disaster relief Deployment of technical assistance and support teams Military capabilities in the civilian domain Interoperability between civilian and military capabilities (in terms of both personnel and equipment) European Defence Agency (EDA) energy and environment programme EU civil protection capacity EU military capabilities
<ul style="list-style-type: none"> EU Civil Protection Mechanism 	4	<ul style="list-style-type: none"> EU Civil Protection Mechanism: main elements Latest updates
TOTAL	35(4)	

Materials	
<p><u>Essential eLearning:</u> AKU 2: EU Global Strategy AKU 9: The security implications of climate change</p> <p><u>Recommended eLearning</u> AKU 4: CSDP crisis management structures and chain of command AKU 6: CSDP decision shaping/making AKU 25: EU Mutual Assistance Clause</p> <p><u>Essential reading</u></p> <ul style="list-style-type: none"> • United Nations Framework Convention on Climate Change, 1992 • Kyoto Protocol to the United Nations Framework Convention on Climate Change, 1997 • Paris Protocol, 2015 • EU Adaptation to Climate Change, 2013 <p><u>Recommended reading</u></p> <ul style="list-style-type: none"> • Climate Change 2018 - Fifth Synthesis Report, IPCC; • Sendai Framework for DRR, 2015; • EU White Paper, 2009; • EU Green Paper, 2013; • Energy Union Package, 2015; • General Union Environment Program, 2013; • The Arctic environment: European perspectives on a changing Arctic, 2017; • Climate Change Adaptation and DRR in EU, 2017; • Joint Africa-EU Strategy, 2010; • Climate change, impacts and vulnerability in Europe 2016 – an indicator-based report; • Integrated EU policy for the Arctic, 2016; • The European Agenda on Security, 2015; • EU Global Strategy, 2016; • CSDP Handbook; • Solana reflection paper on climate security, 2009. 	<p><u>Additional information</u></p> <p>A pre-course questionnaire on learning expectations and possible briefing topic from the specific area of expertise may be used.</p> <p>All course participants must prepare for the residential module by completing the relevant eLearning preparatory phase, which is mandatory.</p> <p>In order to facilitate discussion between course participants and trainers/experts/guest speakers, the Chatham House Rule is used during the residential module: <i>'participants in the course are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed'</i>.</p>