



WORKSHOP

“THE IMPACT OF CLIMATE CHANGE ON NATIONAL SECURITY (III)”

December 11, 2024

The Centre for Defence and Security Strategic Studies (CDSSS), structure within the National Defence University “Carol I”, organized on December 11, 2024, the Workshop titled “The Impact of Climate Change on National Security (III)”, in coordination with the General Directorate for Armaments. The workshop represented the final stage of the project with the same name, part of the Sectoral Research and Development Plan of the Ministry of National Defence for the 2022-2024 period. The project was undertaken by Romania at the request of the European Commission as part of the joint efforts of European states to combat the effects of these changes and identify viable solutions to mitigate them.

The project timeline was divided into three stages, each culminating in a workshop aimed at achieving both general and specific objectives, as follows:

- Stage I: March – December 2022;
- Stage II: January – December 2023;
- Stage III: January – December 2024.

The overall objectives encompass the entire research endeavor and aim to: identify the main national threats posed by climate change; analyze the major consequences of climate change impacts on national and regional stability and security; identify solutions to the challenges posed by climate change - focusing on green economy opportunities and climate action; discuss adaptation measures to address the inevitable effects of climate change; identifying solutions to improve adaptation capacity and enhance the resilience of socio-economic and natural systems to the effects of climate change; determining the responsible institutions, and the role and position of national power instruments in managing the effects of climate change; presenting national policies and measures aimed at reducing greenhouse gas (GHG) emissions; identifying economic sectors where specific measures to reduce GHG emissions are needed; identifying key elements of a low-carbon economy.



The specific objectives of each workshop/stage followed, in succession, the standard ADDIE stages (Analysis, Design, Development, Implementation, Evaluation) which are necessary developing the analytical model assessing the effects of climate change on national security as a final deliverable.

The entire project team's effort was focused on security sectors, aiming to analyze and determine integrated approaches to mitigate/eliminate the effects of climate change, as follows:

Politics – international policy, highlighting aspects that impact national security; analysis of international and national programmatic documents, strategies, initiatives, etc.; actions, measures, and initiatives within the European Union;

Defence – specific actions, steps, initiatives and measures at the NATO and national levels;

Societal – raising awareness within society about the effects of climate change, perceived insecurity at the individual and societal levels as a result of climate change impacts;

Economic – effects on the economy at national and regional levels;

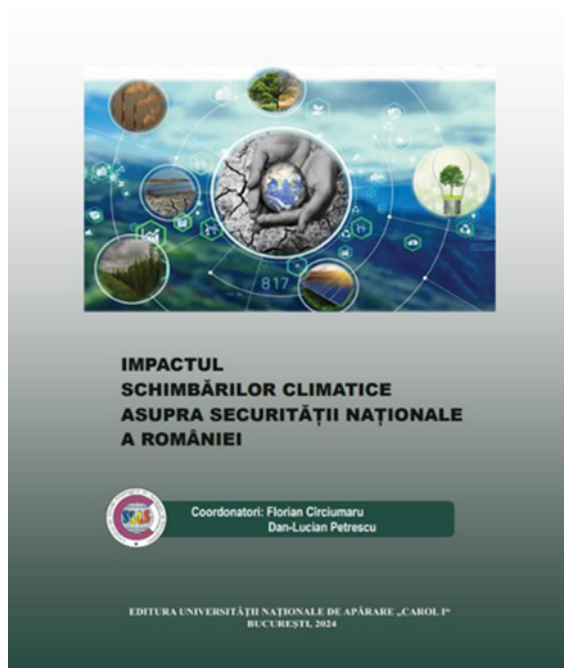
Ecological – utilizing information disseminated during workshops by experts in the field. In addition to the sectors mentioned above, the project also includes a public communication component on climate change and impacts on national security.

The scientific event held on December 11, 2024, marked the conclusion of the project by presenting the research process undertaken and the results obtained: the identification of Romania's vulnerabilities, developing an analytical model for assessing threats and risks to national security posed by climate change, and forecasting how these changes could impact Romania's national security over the next 20 years.

At the end of the project, the scientific researchers from CDSSS developed an analytical model to assess the effects of climate change on national security, as follows:

- Alexandra SARCINSCHI, PhD, Senior Researcher, "Building a Model for Analysing the Impact of Climate Change on National Security";
- Mirela ATANASIU, PhD, Senior Researcher, "The Ecological Dimension of Climate Change";
- Mihai ZODIAN, PhD, Researcher, "Global Warming, International Relations and Romania";
- Mirela ATANASIU, PhD, Senior Researcher, "The European and National Political Dimension of Climate Change";
- Crăişor-Constantin IONIȚĂ, PhD, Researcher, "Effects of Climate Change for the National Defence";
- Cristian BĂHNĂREANU, PhD, Senior Researcher, "The Economic Implications of Climate Change";

- Alexandra SARCINSCHI, PhD, Senior Researcher, “Climate Change-Related Societal Risks and Risk Perception;
- Daniela LICĂ, PhD, Researcher, “Public Communication on Climate change and its Impact upon Romania’s National Security”.



Book cover: “The Impact of Climate Change on Romania’s National Security”,
NDU “Carol I” Publishing House,
ISBN: 978-606-660-495-6, available at:
https://cssas.unap.ro/ro/pdf_carti/Carte_ISCSNR.pdf

The book *The Impact of Climate Change on Romania’s National Security* provides a detailed analysis of the most important aspects related to climate change developments and the impact of its effects on the security environment, with a focus on the national level. Structured into eight chapters, each chapter provides rigorous and detailed analyses, based on solid scientific foundations and formulates well-argued conclusions, contributing to a better understanding and management of the risks associated with this phenomenon.

The research is based on a common analytical model, described in the first chapter, which sets out the essential aspects of the scientific approach, both structurally and formally. The remaining seven chapters are designed as autonomous sections, each approaching climate change from a different perspective and highlighting its impact on national

security across various areas. This structure has allowed the authors to express their own perspectives on the analyzed phenomena, while maintaining a common logical framework that facilitates the integration of conclusions into a comprehensive vision.

In this way, the results can be further used for risk analysis, forecasts, and scenario development, helping to identify effective and applicable solutions that support beneficiaries in drafting or adapting future strategies and policies in the field, as well as implementation plans within the analyzed domain.

The event brought together a significant number of participants – military and civilian personnel, representatives of the Ministry of National Defence, academics,



researchers, and experts from institutions belonging to the National Defence, Public Order and National Security System It provided an essential scientific framework for discussing the impact of climate change on national security, facilitating a valuable exchange of ideas and perspectives. We are confident that the outcomes of this meeting will contribute to a better understanding and management of future challenges.



Event photo: “*The Impact of Climate Change on National Security (III)*”

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