



DEPARTMENT OF GEOGRAPHY

EGRA SARADA SHASHI BHUSAN COLLEGE

(Reaccredited by NAAC with - 'B' Grade with a CGPA of 2.32)

P.O.+P.S. - Egra, Dist. - Purba Medinipur, West Bengal, Pin - 721429



College Website : www.egrassbcollege.ac.in

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REPORT ON WALL MAGAZINE PUBLICATION

ACADEMIC SESSION: 2022-20233

TITLE: "INVITED WAR AND GEO-PHYSICAL LOSS IN EUROPE"

Published on 04.06.2023 (Sunday)

Inaugurators:

- Dr. Dipak Kr. Tamili, Principal, Egra S.S.B. College
- Dr. Dr. Swapan Kumar Misra, Principal, Mugberia Gangadhar Mahavidyalaya

Chief-Guests:

- Mr. Rammoy Acharya, Ex-Head Master, Kanpur Sriguru Sikshaniketan
- Mrs. Priti Choudhury, Ex-Head Mistress, Panchagram Satsanga Balika Vidyalaya

Objectives:

The main objectives of the theme of Wall Magazine are to understand the short-term and long-term impacts of invited war on various Geo-physical aspects such as topography, water bodies, ecosystems, biodiversity, air-water-land-sound pollution, agriculture, etc.

Outcome:

We are pleased to share that the department has published the Departmental Wall Magazine entitled "Invited War and Geo-physical Loss in Europe". The theme is highly relevant to contemporary times, as the war between Russia and Ukraine severely affected various geo-physical components that may take many years to recover. The most important thing about the publication of Wall Magazine is that students get the opportunity to study a specific topic. They read multiple types of literature and review them to prepare articles suitable for publication. To publish in the wall magazine, more than forty students of Geography Honours (Semesters-II, IV, and VI) have submitted their writings for publication, out of which twenty-seven were selected. The students' writings have emphasised the impacts of war on agriculture, food security, climate, soil, and so on.



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WALL MAGAZINE – 2023 INVITED WAR AND ITS IMPACTS ON GEO-PHYSICAL LOSS IN EUROPE

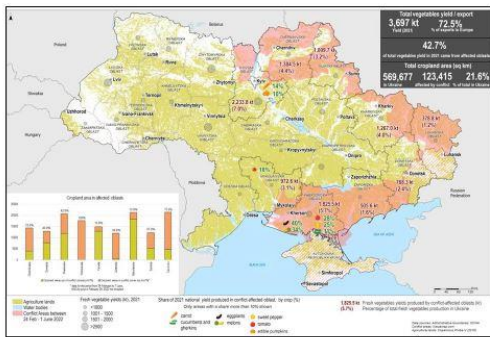
The Russia-Ukraine War: Challenges to Ukraine's Agriculture and Global Food Security

Soumyadip Pradhan & Syeda Jasmin Parveen
Geography Honours
Semester-VI

Sudipta Panda, Priyanka Rana, & Mamata Manna
Geography Honours
Semester-IV

Pijus Das
Geography Honours
Semester-II

Russia's all-out war on Ukraine has inflicted devastating impacts that continue to mount more than a year after the invasion. As of September 2022, even before Russia's winter bombing campaign, the total damage to Ukraine's infrastructure was an estimated \$127 billion, equal to 64% of the country's 2021 GDP. More than 14 million Ukrainians have left their homes, including more than 8 million refugees.



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WALL MAGAZINE – 2023 INVITED WAR AND ITS IMPACTS ON GEO-PHYSICAL LOSS IN EUROPE

Implausible Degradation of Climate Quality Caused by "Russia-Ukraine" War

Saheli Das & Sourav karan
Geography Honours
Semester-II

Sougata Das, Suparna Manna, Soumili dey, Suchitra Dey, & Nandini Patra
Geography Honours, Semester-IV

Refugees and IDPs

GHG emissions from refugees flying abroad and internally displaced persons (IDPs)

Fig 1: Key figure on refugees and IDPs



Table I: overview of GHG emissions from refugees and IDPs

	Emissions, th. tCO ₂ e	Emissions, %
Internal displacements	50	3.6
International refugees	539	38.6
Transports returning empty	539	38.6
Refugees returning	215	15.4
Refugees visiting	54	3.7
TOTAL	1,397	100.0

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WALL MAGAZINE – 2023 INVITED WAR AND ITS IMPACTS ON GEO-PHYSICAL LOSS IN EUROPE

The Potential Impact of Russia-Ukraine War on the Ukraine's Fertile Soil

Prabir Das & Biswajit Barik
Geography Honours
Semester-VI

Aniket Manna
Geography Honours
Semester-IV

Atasi Das
Geography Honours
Semester-II

Ukraine is home to some of the most fertile soil in the world, making it a top global producer of cereals, such as wheat and maize, as well as seed oils like sunflower oil. The country's exports feed millions of people from Europe and Africa to China and Southeast Asia.

Super Soil

A type of grassland soil called chernozem covers nearly two-thirds of agricultural lands in Ukraine. Meaning "black earth," chernozem is a Ukrainian and Russian word that describes highly fertile soils distinguished by one to two meters of dark, rich organic matter.

Fig 1: Chernozem (shown) is nutrient-rich dark soil that is essential for agriculture in Ukraine.



Sources: Soil Museum/Soil Education Center/University of Agriculture in Kraków, Courtesy of Piotr Pacanowski

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WALL MAGAZINE – 2023 INVITED WAR AND ITS IMPACTS ON GEO-PHYSICAL LOSS IN EUROPE

The Russia-Ukraine War: A Curse to the "Green Heart of Europe"

Pritish Nayak, Shreya Mishra, Krishna Sau, Moumita Samanta, & Moumita Khatua
Geography Honours, Semester-VI

Megha Pradhan, Preyashi Giri, Srabani Shit, Supriti Maity, & Prerana Acharya
Geography Honours, Semester-II

Ukraine has a high diversity of habitats and species. It is part of a broader region stretching across Central and Eastern Europe sometimes referred to as the "Green Heart of Europe". This includes rare steppe ecosystems, coastal wetlands, alpine meadows, ancient beech forests, and extensive peatlands. The country shares a part of the Danube Delta, the second-largest river delta of continental Europe and the largest reed-bed in the world. It includes vast pine, oak, and birch forests and peat bogs in the Polysia region of northern Ukraine.

Fig 1: Impact on Protected areas and Ecology



Source: European Wilderness Society Wikipedia

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PHOTOGRAPHS





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