

Pentagon Calls Climate Change Impacts Threat Multipliers Could Enable Terrorism

Getting the books Pentagon Calls Climate Change Impacts Threat Multipliers Could Enable Terrorism now is not type of challenging means. You could not unaided going taking into account ebook store or library or borrowing from your associates to right of entry them. This is an unquestionably simple means to specifically acquire guide by on-line. This online publication Pentagon Calls Climate Change Impacts Threat Multipliers Could Enable Terrorism can be one of the options to accompany you later having supplementary time.

It will not waste your time. agree to me, the e-book will enormously flavor you further event to read. Just invest tiny times to gate this on-line statement Pentagon Calls Climate Change Impacts Threat Multipliers Could Enable Terrorism as competently as review them wherever you are now.



In the 1990s Richard B. Alley and his colleagues made headlines with the discovery that the last ice age came to an abrupt end over a period of only three years. In *The Two-Mile Time Machine*, Alley tells the fascinating history of global climate changes as revealed by reading the annual rings of ice from cores drilled in Greenland. He explains that humans have experienced an unusually temperate climate compared to the wild fluctuations that characterized most of prehistory. He warns that our comfortable environment could come to an end in a matter of years and tells us what we need to know in order to understand and perhaps overcome climate changes in the future. In a new preface, the author weighs in on whether our understanding of global climate change has altered in the years since the book was first published, what the latest research tells us, and what he is working on next.

An "informative and vividly reported book" that goes beyond the politics of climate change to explore practical ways we can adapt and survive (San Francisco Chronicle). Journalist Mark Hertsgaard has reported on global warming for outlets including the *New Yorker*, NPR, *Time*, and *Vanity Fair*. But it was only after he became a father that he started thinking about the two billion young people worldwide who will spend the rest of their lives coping with mounting climate disruption. In *Hot*, he presents a well-researched blueprint for how all of us—parents, communities, companies, and countries—can navigate this unavoidable new era. Reporting from across the nation and around the world, Hertsgaard provides examples of ambitious attempts to mitigate the effects of sea-level rise, mega-storms, famine, and other threats—and an "urgent message . . . that citizens and governments cannot afford to ignore" (The Boston Globe). "This readable, passionate book is surprisingly optimistic: Seattle, Chicago, and New York are making long-term, comprehensive plans for flooding and drought. Impoverished farmers in the already drought-stricken African Sahel have

discovered how to substantially improve yields and decrease malnutrition by growing trees among their crops, and the technique has spread across the region; Bangladeshis, some of the poorest and most flood-vulnerable yet resilient people on earth, are developing imaginative innovations such as weaving floating gardens from water hyacinth that lift with rising water. Contrasting the Netherlands' 200-year flood plans to the New Orleans Katrina disaster, Hertsgaard points out that social structures, even more than technology, will determine success, and persuasively argues that human survival depends on bottom-up, citizen-driven government action."

—Publishers Weekly "His analysis of the impact of global warming on industries as different as winemaking and insurance is intriguing, and his well-supported conclusion that social change can beat back climate change is inspiring . . . an exceptionally productive approach to a confounding reality." —Booklist "This is an important book." —Bill McKibben

All Hell Breaking Loose is an eye-opening examination of climate change from the perspective of the U.S. military. The Pentagon, unsentimental and politically conservative, might not seem likely to be worried about climate change—still linked, for many people, with polar bears and coral reefs. Yet of all the major institutions in American society, none take climate change as seriously as the U.S. military. Both as participants in climate-triggered conflicts abroad, and as first responders to hurricanes and other disasters on American soil, the armed services are already confronting the impacts of global warming. The military now regards climate change as one of the top threats to American national security—and is busy developing strategies to cope with it. Drawing on previously obscure reports and government documents, renowned security expert Michael Klare shows that the U.S. military sees the climate threat as imperiling the country on several fronts at once. Droughts and food shortages are stoking conflicts in ethnically divided nations, with "climate refugees" producing worldwide havoc. Pandemics and other humanitarian disasters will increasingly require extensive military involvement. The melting Arctic is creating new seaways to defend. And rising seas threaten American cities and military bases themselves. While others still debate the causes of global warming, the Pentagon is intensely focused on its effects. Its response makes it clear that where it counts, the immense impact of climate change is not in doubt. Eminent environmentalist Solomon set out to find whether any real scientists diverged from global warming orthodoxy. This fully revised new edition features two new chapters that present fresh exposés on climate profiteers and global warming affirmers.

A More Contested World

What People Will Be Killed For in the 21st Century

Charting the Rise and Fall of U.S. Military Emissions

The Two-Mile Time Machine

The Deniers

Alternative Worlds

Climate Solutions Beyond Capitalism

The federal government wastes your tax dollars worse than a drunken sailor on shore leave. The 1984 Grace

Commission uncovered that the Department of Defense spent \$640 for a toilet seat and \$436 for a hammer. Twenty years later things weren't much better. In 2004, Congress spent a record-breaking \$22.9 billion dollars of your money on 10,656 of their pork-barrel projects. The war on terror has a lot to do with the record \$413 billion in deficit

spending, but it's also the result of pork over the last 18 years the likes of: - \$50 million for an indoor rain forest in Iowa - \$102 million to study screwworms which were long ago eradicated from American soil - \$273,000 to combat goth culture in Missouri - \$2.2 million to renovate the North Pole (Lucky for Santa!) - \$50,000 for a tattoo removal program in California - \$1 million for ornamental fish research Funny in some instances and jaw-droppingly stupid and wasteful in others, The Pig Book proves one thing about Capitol Hill: pork is king!

Struggles over drinking water, new outbreaks of mass violence, ethnic cleansing, civil wars in the earth's poorest countries, endless flows of refugees: these are the new conflicts and forces shaping the world of the 21st century. They no longer hinge on ideological rivalries between great powers but rather on issues of class, religion and resources. The genocides of the last century have taught us how quickly social problems can spill over into radical and deadly solutions. Rich countries are already developing strategies to garner resources and keep 'climate refugees' at bay. In this major book Harald Welzer shows how climate change and violence go hand in hand. Climate change has far-reaching consequences for the living conditions of peoples around the world: inhabitable spaces shrink, scarce resources become scarcer, injustices grow deeper, not only between North and South but also between generations, storing up material for new social tensions and giving rise to violent conflicts, civil wars and massive refugee flows. Climate change poses major new challenges in terms of security, responsibility and justice, but as Welzer makes disturbingly clear, very little is being done to confront them. The paperback edition includes a new Preface that brings the book up to date and addresses the most recent developments and trends.

As the seriousness of climate change becomes more and more obvious, military institutions are responding by taking a prominent role in the governing of environmental concerns, engaging in "climate change war games," and preparing for the effects of climate change—from conflicts due to loss of food, water, and energy to the mass migration of millions of people displaced by rising sea levels. This combat-oriented stance stems from a self-destructive pattern of thought that Robert P. Marzec names "environmentality," an attitude that has been affecting human – environmental relations since the seventeenth century. Militarizing the Environment traces the rise of this influential mindset in America and other nations that threatens to supplant ideas of sustainability with demands for adaptation. In this extensive historical study of scientific, military, political, and economic formations across five centuries, Marzec reveals how environmentality has been instrumental in the development of today's security society—informing the creation of the military-industrial complex during World War II and the National Security Act that established the CIA during the Cold War. Now embedded in contemporary Western thought, environmentality has even infiltrated scientific thinking—transforming Darwinian insights into a quasi-theology that makes security the biological basis of existence. Marzec exposes the self-destructive nature of this increasingly accepted worldview and offers alternatives that counter the blind alleys of national and global security.

Gradual and sudden environmental changes are resulting in substantial human movement and displacement, and the scale of such flows, both internal and cross-border, is expected to rise with unprecedented impacts on lives and livelihoods. Despite the potential challenge, there has been a lack of strategic thinking about this policy area partly due to a lack of data and empirical research on this topic. Adequately planning for and managing environmentally induced migration will be critical for human security. The papers in this volume were first presented at the Research Workshop on Migration and the Environment: Developing a Global Research Agenda held in Munich, Germany in April 2008. One of the key objectives on the Munich workshop was to address the need for more sound empirical research and

identify priority areas of research for policy makers in the field of migration and the environment.

Climate Change and the Security State

Department of Defense Dictionary of Military and Associated Terms

Has the Human Game Begun to Play Itself Out?

Transboundary Water Resources in Afghanistan

Lessons from a Lifetime of Leadership in the Pentagon

The Pentagon, Climate Change, and War

Why We Need a Green Revolution--and How It Can Renew America

By 1979, we knew all that we know now about the science of climate change - what was happening, why it was happening, and how to stop it. Over the next ten years, we had the very real opportunity to stop it. Obviously, we failed. Nathaniel Rich's groundbreaking account of that failure - and how tantalizingly close we came to signing binding treaties that would have saved us all before the fossil fuels industry and politicians committed to anti-scientific denialism - is already a journalistic blockbuster, a full issue of the New York Times Magazine that has earned favorable comparisons to Rachel Carson's Silent Spring and John Hersey's Hiroshima. Rich has become an instant, in-demand expert and speaker. A major movie deal is already in place. It is the story, perhaps, that can shift the conversation. In the book *Losing Earth*, Rich is able to provide more of the context for what did - and didn't - happen in the 1980s and, more important, is able to carry the story fully into the present day and wrestle with what those past failures mean for us in 2019. It is not just an agonizing revelation of historical missed opportunities, but a clear-eyed and eloquent assessment of how we got to now, and what we can and must do before it's truly too late.

Two important Pentagon reports about the effects of global warming and climate change on the Department of Defense (DoD) have been compiled in this reproduction. The first report in the compilation was issued in January 2019 and is entitled *Report on Effects of a Changing Climate to the Department of Defense*. The second, from 2018, is the *Department of Defense Climate-Related Risk to DoD Infrastructure Initial Vulnerability Assessment Survey (SLVAS) Report*. Climate-related events at 79 military installations of concern include recurrent flooding, drought, desertification, wildfires, and thawing permafrost. Vulnerabilities to installations include coastal and riverine flooding. Coastal flooding may result from storm surge during severe weather events. Over time, gradual sea level changes magnify the impacts of storm surge, and may eventually result in permanent inundation of property. Increasing coverage of land from nuisance flooding during high tides, also called "sunny day" flooding, is already affecting many coastal communities. Joint Base Langley-Eustis (JBLE-Langley AFB), Virginia, has experienced 14 inches in sea level rise since 1930 due to localized land subsidence and sea level rise. Flooding at JBLE-Langley, with a mean sea level elevation of three feet, has become more frequent and severe. Navy Base Coronado experiences isolated and flash flooding during tropical storm events, particularly in El Niño years. Upland Special Areas are subject to flash floods. The main installation reports worsening sea level rise and storm surge impacts that include access limitations and other logistic related impairments. Navy Region Mid-Atlantic and the greater Hampton Roads area is one of

the most vulnerable to flooding military operational installation areas in the United States. Sea level rise, land subsidence, and changing ocean currents have resulted in more frequent nuisance flooding and increased vulnerability to coastal storms. As a result, and to better mitigate these issues, the Region has engaged in several initiatives and partnerships to address the associated challenges.

Examines how climate-induced migration, the relocation of individuals from harsh climate areas to more favorable ones, has led to concerns about national borders, sovereignty, and security, along with suggestions to combat the situation.

"The American people should know as much as possible about the threats facing our nation and what their intelligence agencies are doing to protect them." -Avril Haines, Director of National Intelligence (2021) Annual Threat Assessment of the US Intelligence Community (2021) is an annual report of worldwide threats to the national security of the United States compiled by the US Intelligence Community. It warns of the many perils facing the US, including China's increasing power, the geopolitical risks of Russia, Iran and North Korea, the long-term economic fallout of COVID-19, and global as well as domestic terrorism. This brief report with its short-term threat assessment is a good companion guide to Global Trends 2040-A More Contested World a 2021 report by the National Intelligence Council, which describes specifically long-term global challenges (also available from Cosimo Reports). Students of national security, policymakers, journalists, and anyone interested in US security will find this report essential reading.

All Hell Breaking Loose

Losing Earth

The Pathway to Sustainable Development

Inclusive Green Growth

Living Through the Next Fifty Years on Earth

The Decade We Could Have Stopped Climate Change

All We Can Save

Inclusive Green Growth: The Pathway to Sustainable Development makes the case that greening growth is necessary, efficient, and affordable. Yet spurring growth without ensuring equity will thwart efforts to reduce poverty and improve access to health, education, and infrastructure services.

Thirty years ago Bill McKibben offered one of the earliest warnings about climate change. Now he broadens the warning: the entire human game, he suggests, has begun to play itself out. Bill McKibben's groundbreaking book *The End of Nature* -- issued in dozens of languages and long regarded as a classic -- was the first book to alert us to global warming. But the danger is broader than that: even as climate change shrinks the space where our civilization can exist, new technologies like artificial intelligence and robotics threaten to bleach away the variety of human experience. Falter tells the story of these converging trends and of the ideological fervor that keeps us from bringing them under control. And then, drawing on McKibben's experience in building 350.org, the first truly global citizens movement to combat climate change, it offers some possible ways out of the trap. We're at a bleak moment in human history -- and we'll either confront that bleakness or watch the civilization our forebears built slip away. Falter is a powerful and sobering call to arms, to save not only our planet but also our humanity.

"The ongoing COVID-19 pandemic marks the most significant, singular global disruption since World War II, with health, economic, political, and security implications that will ripple for years to come." -Global Trends 2040 (2021) Global Trends 2040-A More Contested World (2021), released by the US National Intelligence Council, is the latest report in its series of reports starting in 1997 about megatrends and the world's future. This report, strongly influenced by the COVID-19 pandemic, paints a bleak picture of the future and describes a

contested, fragmented and turbulent world. It specifically discusses the four main trends that will shape tomorrow's world: - Demographics-by 2040, 1.4 billion people will be added mostly in Africa and South Asia. - Economics-increased government debt and concentrated economic power will escalate problems for the poor and middleclass. - Climate-a hotter world will increase water, food, and health insecurity. - Technology-the emergence of new technologies could both solve and cause problems for human life. Students of trends, policymakers, entrepreneurs, academics, journalists and anyone eager for a glimpse into the next decades, will find this report, with colored graphs, essential reading.

NATIONAL BESTSELLER • Provocative and illuminating essays from women at the forefront of the climate movement who are harnessing truth, courage, and solutions to lead humanity forward. "A powerful read that fills one with, dare I say . . . hope?"—The New York Times NAMED ONE OF THE BEST BOOKS OF THE YEAR BY SMITHSONIAN MAGAZINE There is a renaissance blooming in the climate movement: leadership that is more characteristically feminine and more faithfully feminist, rooted in compassion, connection, creativity, and collaboration. While it's clear that women and girls are vital voices and agents of change for this planet, they are too often missing from the proverbial table. More than a problem of bias, it's a dynamic that sets us up for failure. To change everything, we need everyone. *All We Can Save* illuminates the expertise and insights of dozens of diverse women leading on climate in the United States—scientists, journalists, farmers, lawyers, teachers, activists, innovators, wonks, and designers, across generations, geographies, and race—and aims to advance a more representative, nuanced, and solution-oriented public conversation on the climate crisis. These women offer a spectrum of ideas and insights for how we can rapidly, radically reshape society. Intermixing essays with poetry and art, this book is both a balm and a guide for knowing and holding what has been done to the world, while bolstering our resolve never to give up on one another or our collective future. We must summon truth, courage, and solutions to turn away from the brink and toward life-giving possibility. Curated by two climate leaders, the book is a collection and celebration of visionaries who are leading us on a path toward all we can save. With essays and poems by: Emily Atkin • Xiye Bastida • Ellen Bass • Colette Pichon Battle • Jainey K. Bavishi • Janine Benyus • adrienne maree brown • Régine Clément • Abigail Dillen • Camille T. Dungy • Rhiana Gunn-Wright • Joy Harjo • Katharine Hayhoe • Mary Annaïse Heglar • Jane Hirshfield • Mary Anne Hitt • Ailish Hopper • Tara Houska, Zhaabowekwe • Emily N. Johnston • Joan Naviyuk Kane • Naomi Klein • Kate Knuth • Ada Limón • Louise Maher-Johnson • Kate Marvel • Gina McCarthy • Anne Haven McDonnell • Sarah Miller • Sherri Mitchell, Weh'na Ha'mu Kwasset • Susanne C. Moser • Lynna Odel • Sharon Olds • Mary Oliver • Kate Orff • Jacqui Patterson • Leah Penniman • Catherine Pierce • Marge Piercy • Kendra Pierre-Louis • Varshini • Prakash • Janisse Ray • Christine E. Nieves Rodriguez • Favianna Rodriguez • Cameron Russell • Ash Sanders • Judith D. Schwartz • Patricia Smith • Emily Stengel • Sarah Stillman • Leah Cardamore Stokes • Amanda Sturgeon • Maggie Thomas • Heather McTeer Toney • Alexandria Villaseñor • Alice Walker • Amy Westervelt • Jane Zelikova

The Pig Book

The Rise of America's Surveillance State

Life After Warming

Hot

Countdown to Global Catastrophe

Hot, Flat, and Crowded 2.0

Can Civilization Survive the CO2 Crisis?

"Peace Ecology" presents a cutting-edge exploration of an emerging paradigm that links the essence of peace and nonviolence with the tenets of ecology and the principles of environmentalism. Looking at issues including food justice, water sharing, climate change, peace zones, and the free economy, this book considers examples and illustrations from around the world where people, communities, and nations are employing the teachings of ecology as a tool for mitigating conflict and promoting peace. "Peace Ecology" presents an integrative perspective that bears directly upon the most pressing issues of our time, constituting both the ecological realm of peace and the peacemaking potential of ecology. The volume

examines the rich history, contemporary relevance, and transformative future potential inherent in this dynamic nexus of theory and action. Its overarching aim is no less than moving the current scarcity-conflict paradigm to one of cooperative resource management and, ultimately, toward peaceful coexistence both among ourselves and within the balance of nature. To read the Common Dreams excerpt of "Peace Ecology" [Click Here](#). Talk Nation Radio Interview with Randall Amster and David Swanson [here](#)."

The twenty-fifth Secretary of Defense takes readers behind the scenes to reveal the inner workings of the Pentagon, its vital mission, and what it takes to lead it. The Pentagon is the headquarters of the single largest institution in America: the Department of Defense. The D.O.D. employs millions of Americans. It owns and operates more real estate, and spends more money, than any other entity. It manages the world's largest and most complex information network and performs more R&D than Apple, Google, and Microsoft combined. Most important, the policies it carries out, in war and peace, impact the security and freedom of billions of people around the globe. Yet to most Americans, the dealings of the D.O.D. are a mystery, and the Pentagon nothing more than an opaque five-sided box that they regard with a mixture of awe and suspicion. In this new book, former Secretary of Defense Ash Carter demystifies the Pentagon and sheds light on all that happens inside one of the nation's most iconic, and most closely guarded, buildings. Drawn from Carter's thirty-six years of leadership experience in the D.O.D., this is the essential book for understanding the challenge of defending America in a dangerous world—and imparting a trove of incisive lessons that can guide leaders in any complex organization. In these times of great disruption and danger, the need for Ash Carter's authoritative and pragmatic account is more urgent than ever.

A bold and urgent perspective on how American foreign policy must change in response to the shifting world order of the twenty-first century, from the New York Times bestselling author of *The Limits of Power* and *The Age of Illusions*. The purpose of U.S. foreign policy has, at least theoretically, been to keep Americans safe. Yet as we confront a radically changed world, it has become indisputably clear that the terms of that policy have failed. Washington's insistence that a market economy is compatible with the common good, its faith in the idea of the "West" and its "special relationships," its conviction that global military primacy is the key to a stable and sustainable world order—these have brought endless wars and a succession of moral and material disasters. In a bold reconception of America's place in the world, informed by thinking from across the political spectrum, Andrew J.

Bacevich—founder and president of the Quincy Institute for Responsible Statecraft, a bipartisan Washington think tank dedicated to foreign policy—lays down a new approach—one that is based on moral pragmatism, mutual coexistence, and war as a last resort. Confronting the threats of the future—accelerating climate change, a shift in the international balance of power, and the ascendancy of information technology over brute weapons of war—his vision calls for nothing less than a profound overhaul of our understanding of national security. Crucial and provocative, *After the Apocalypse* sets out new principles to guide the once-but-no-longer sole superpower as it navigates a transformed world. Barret Baumgart's literary debut presents a haunting and deeply personal portrait of civilization poised at the precipice, a picture of humanity caught between its deepest past and darkest future. In the fall of 2013, during the height of California's historic drought, Baumgart toured the remote military base, NAWS China Lake, near Death Valley, California. His mother, the survivor of a recent stroke, decided to come along for the ride. She hoped the alleged healing power of the base's ancient Native American hot springs might cure her crippling headaches. Baumgart sought to debunk claims that the military was spraying the atmosphere with toxic chemicals to control the weather. What follows is a discovery that threatens to sever not only the bonds between mother and son but between planet Earth and life itself.

Stalking the fringes of Internet conspiracy, speculative science, and contemporary archaeology, Baumgart weaves memoir, military history, and investigative journalism in a dizzying journey that carries him from the cornfields of Iowa to drought-riddled California, from the Vietnam jungle to the caves of prehistoric Europe and eventually the walls of the US Capitol, the sparkling white hallways of the Pentagon, and straight into the contradicted heart of a worldwide climate emergency.

Peril

Militarizing the Environment

Peace Ecology

The Watchers

How to Prepare for the Coming Climate Disruption

A Journey Into the Contradicted Heart of a Global Climate Catastrophe

National Security Implications of Climate Change for U.S. Naval Forces

The clock is relentlessly ticking! Our world teeters on a knife-edge between a peaceful and prosperous future for all, and a dark winter of death and destruction that threatens to smother the light of civilization. Within 30 years, in the 2030 decade, six powerful 'drivers' will converge with unprecedented force in a statistical spike that could tear humanity apart and plunge the world into a new Dark Age. Depleted fuel supplies, massive population growth, poverty, global climate change, famine, growing water shortages and international lawlessness are on a crash course with potentially catastrophic consequences. In the face of both doomsaying and denial over the state of our world, Colin Mason cuts through the rhetoric and reams of conflicting data to muster the evidence to illustrate a broad picture of the world as it is, and our possible futures. Ultimately his message is clear; we must act decisively, collectively and immediately to alter the trajectory of humanity away from catastrophe. Offering over 100 priorities for immediate action, *The 2030 Spike* serves as a guidebook for humanity through the treacherous minefields and wastelands ahead to a bright, peaceful and prosperous future in which all humans have the opportunity to thrive and build a better civilization. This book is powerful and essential reading for all people concerned with the future of humanity and planet earth.

In response to the Chief of Naval Operations (CNO), the National Research Council appointed a committee operating under the auspices of the Naval Studies Board to study the national security implications of climate change for U.S. naval forces. In conducting this study, the committee found that even the most moderate current trends in climate, if continued, will present new national security challenges for the U.S. Navy, Marine Corps, and Coast Guard. While the timing, degree, and consequences of future climate change impacts remain uncertain, many changes are already underway in regions around the world, such as in the Arctic, and call for action by U.S. naval leadership in response. The terms of reference (TOR) directed that the study be based on Intergovernmental Panel on Climate Change (IPCC) scenarios and other peer-reviewed assessment. Therefore, the committee did not address the science of climate change or challenge the scenarios on which the committee's findings and recommendations are based. *National Security Implications of Climate Change for U.S. Naval Forces* addresses both the near- and long-term implications for U.S. naval forces in each of the four areas of the TOR, and provides corresponding findings and recommendations. This report and its conclusions are organized around six discussion areas—all presented within the context of a changing climate.

How the Pentagon became the world's largest single greenhouse gas emitter and why it's not too late to break the link between national security and fossil fuel consumption. The military has for years (unlike many politicians) acknowledged that climate change is real, creating conditions so extreme that some military officials fear future climate wars. At the same time, the U.S. Department of Defense—military forces and DOD agencies—is the largest single energy consumer in the United States and the world's

largest institutional greenhouse gas emitter. In this eye-opening book, Neta Crawford traces the U.S. military's growing consumption of energy and calls for a reconceptualization of foreign policy and military doctrine. Only such a rethinking, she argues, will break the link between national security and fossil fuels. The Pentagon, Climate Change, and War shows how the U.S. economy and military together have created a deep and long-term cycle of economic growth, fossil fuel use, and dependency. This cycle has shaped U.S. military doctrine and, over the past fifty years, has driven the mission to protect access to Persian Gulf oil. Crawford shows that even as the U.S. military acknowledged and adapted to human-caused climate change, it resisted reporting its own greenhouse gas emissions. Examining the idea of climate change as a "threat multiplier" in national security, she argues that the United States faces more risk from climate change than from lost access to Persian Gulf oil—or from most military conflicts. The most effective way to cut military emissions, Crawford suggests provocatively, is to rethink U.S. grand strategy, which would enable the United States to reduce the size and operations of the military. This report is intended to stimulate thinking about the rapid and vast geopolitical changes characterizing the world today and possible global trajectories over the next 15 years. As with the NIC's previous Global Trends reports, we do not seek to predict the future, which would be an impossible feat, but instead provide a framework for thinking about possible futures and their implications. In-depth research, detailed modeling and a variety of analytical tools drawn from public, private and academic sources were employed in the production of Global Trends 2030. NIC leadership engaged with experts in nearly 20 countries, from think tanks, banks, government offices and business groups, to solicit reviews of the report.

Unprecedented

Migration, Environment and Climate Change

Ice Cores, Abrupt Climate Change, and Our Future - Updated Edition

Annual Threat Assessment

This Changes Everything

America's Role in a World Transformed

A New York Times Book Review Notable Book of the Year A Washington Post Best Book of the Year A Businessweek Best Business Book of the Year A Chicago Tribune Best Book of the Year In this brilliant, essential book, Pulitzer Prize-winning author Thomas L. Friedman speaks to America's urgent need for national renewal and explains how a green revolution can bring about both a sustainable environment and a sustainable America. Friedman explains how global warming, rapidly growing populations, and the expansion of the world's middle class through globalization have produced a dangerously unstable planet—one that is "hot, flat, and crowded." In this Release 2.0 edition, he also shows how the very habits that led us to ravage the natural world led to the meltdown of the financial markets and the Great Recession. The challenge of a sustainable way of life presents the United States with an opportunity not only to rebuild its economy, but to lead the world in radically innovating toward cleaner energy. And it could inspire Americans to something we haven't seen in a long time--nation-building in America--by summoning the intelligence, creativity, and concern for the common good that are our greatest national resources. Hot, Flat, and Crowded is classic Thomas L. Friedman: fearless, incisive, forward-looking, and rich in surprising common sense about the challenge--and the promise--of the future.

"It is worse, much worse, than you think. If your anxiety about global warming is dominated by fears of sea-level rise, you are barely scratching the surface of what terrors are possible. In California, wildfires now rage year-round, destroying thousands of homes. Across the US, "500-year" storms pummel communities month after month, and floods displace tens of millions annually. This is only a preview of the changes to come. And they are coming fast. Without a revolution in how billions of humans conduct their lives, parts of the Earth could become close to uninhabitable, and other parts horrifically inhospitable, as soon as the end of this century. In his travelogue of our near future, David Wallace-Wells brings into stark relief the climate troubles that await -- food

shortages, refugee emergencies, and other crises that will reshape the globe. But the world will be remade by warming in more profound ways as well, transforming our politics, our culture, our relationship to technology, and our sense of history. It will be all-encompassing, shaping and distorting nearly every aspect of human life as it is lived today. Like An Inconvenient Truth and Silent Spring before it, The Uninhabitable Earth is both a meditation on the devastation we have brought upon ourselves and an impassioned call to action. For just as the world was brought to the brink of catastrophe within the span of a lifetime, the responsibility to avoid it now belongs to a single generation"--

This publication covers global megatrends for the next 20 years and how they will affect the United States. This is the fifth installment in the National Intelligence Council's series aimed at providing a framework for thinking about possible futures and their implications. The report is intended to stimulate strategic thinking about the rapid and vast geopolitical changes characterizing the world today and possible global trajectories during the next 15-20 years by identifying critical trends and potential discontinuities. The authors distinguish between megatrends, those factors that will likely occur under any scenario, and game-changers, critical variables whose trajectories are far less certain. NIC 2012-001. Several innovations are included in Global Trends 2030, including: a review of the four previous Global Trends reports, input from academic and other experts around the world, coverage of disruptive technologies, and a chapter on the potential trajectories for the US role in the international system and the possible the impact on future international relations. Table of Contents: Introduction 1 Megatrends 6 Individual Empowerment 8 Poverty Reduction 8 An Expanding Global Middle Class 8 Education and the Gender Gap 10 Role of Communications Technologies 11 Improving Health 11 A MORE CONFLICTED IDEOLOGICAL LANDSCAPE 12 Diffusion of Power 15 THE RISE AND FALL OF COUNTRIES: NOT THE SAME OLD STORY 17 THE LIMITS OF HARD POWER IN THE WORLD OF 2030 18 Demographic Patterns 20 Widespread Aging 20 Shrinking Number of Youthful Countries 22 A New Age of Migration 23 The World as Urban 26 Growing Food, Water, and Energy Nexus 30 Food, Water, and Climate 30 A Brighter Energy Outlook 34 Game-Changers 38 The Crisis-Prone Global Economy 40 The Plight of the West 40 Crunch Time Too for the Emerging Powers 43 A Multipolar Global Economy: Inherently More Fragile? 46 The Governance Gap 48 Governance Starts at Home: Risks and Opportunities 48 INCREASED FOCUS ON EQUALITY AND OPENNESS 53 NEW GOVERNMENTAL FORMS 54 A New Regional Order? 55 Global Multilateral Cooperation 55 The Potential for Increased Conflict 59 INTRASTATE CONFLICT: CONTINUED DECLINE 59 Interstate Conflict: Chances Rising 61 Wider Scope of Regional Instability 70 The Middle East: At a Tipping Point 70 South Asia: Shocks on the Horizon 75 East Asia: Multiple Strategic Futures 76 Europe: Transforming Itself 78 Sub-Saharan Africa: Turning a Corner by 2030? 79 Latin America: More Prosperous but Inherently Fragile 81 The Impact of New Technologies 83 Information Technologies 83 AUTOMATION AND MANUFACTURING TECHNOLOGIES 87 Resource Technologies 90 Health Technologies 95 The Role of the United States 98 Steady US Role 98 Multiple Potential Scenarios for the United States' Global Role 101 Alternative Worlds 107 Stalled Engines 110 FUSION 116 Gini-out-of-the-Bottle 122 Nonstate World 128 Acknowledgements 134 GT2030 Blog References 137 Audience: Appropriate for anyone, from businesses to banks, government agencies to start-ups, the technology sector to the teaching sector, and more. This publication helps anticipate where the world will be: socially, politically, technologically, and culturally over the next few decades. Keywords: Global Trends 2030 Alternative Worlds, global trends 2030, Global Trends series, National Intelligence Council, global trajectories, global megatrends, geopolitics, geopolitical changes Using exclusive access to key insiders, Shane Harris charts the rise of America's surveillance state over the past twenty-five years and highlights a dangerous paradox: Our government's strategy has made it harder to catch terrorists and easier to spy on the rest of us. Our surveillance state was born in the brain of Admiral John Poindexter in 1983. Poindexter, Reagan's National Security Advisor, realized that the United States might have prevented the terrorist massacre of 241 Marines in Beirut if only intelligence agencies had been able to analyze in real time data they had on the attackers. Poindexter poured government know-how and funds into his dream—a system that would sift reams of data for signs of terrorist activity. Decades later, that elusive dream still captivates Washington. After the 2001 attacks, Poindexter returned to government with a controversial program, called Total Information Awareness, to detect the next attack. Today it is a secretly funded operation that can gather

personal information on every American and millions of others worldwide. But Poindexter's dream has also become America's nightmare. Despite billions of dollars spent on this digital quest since the Reagan era, we still can't discern future threats in the vast data cloud that surrounds us all. But the government can now spy on its citizens with an ease that was impossible-and illegal-just a few years ago. Drawing on unprecedented access to the people who pioneered this high-tech spycraft, Harris shows how it has shifted from the province of right-wing technocrats to a cornerstone of the Obama administration's war on terror. Harris puts us behind the scenes and in front of the screens where twenty-first-century spycraft was born. We witness Poindexter quietly working from the private sector to get government to buy in to his programs in the early nineties. We see an army major agonize as he carries out an order to delete the vast database he's gathered on possible terror cells-and on thousands of innocent Americans-months before 9/11. We follow General Mike Hayden as he persuades the Bush administration to secretly monitor Americans based on a flawed interpretation of the law. After Congress publicly bans the Total Information Awareness program in 2003, we watch as it is covertly shifted to a "black op," which protects it from public scrutiny. When the next crisis comes, our government will inevitably crack down on civil liberties, but it will be no better able to identify new dangers. This is the outcome of a dream first hatched almost three decades ago, and *The Watchers* is an engrossing, unnerving wake-up call.

An abrupt climate change scenario and its implications for United States national security

Interim National Security Strategic Guidance

The 2030 Spike

The Uninhabitable Earth

Capitalism Vs. The Climate

Global Trends 2040

Global Issues 2020 Edition

Douglas Dillon Fellow Micah Zenko analyzes the potentially serious consequences, both at home and abroad, of a lightly overseen drone program and makes recommendations for improving its governance.

Transboundary Water from Afghanistan: Climate Change, and Land-Use Implications brings together diverse factual material on the physical geography and political, cultural, and economic implications of Southwest Asian transboundary water resources. It is the outgrowth of long-term deep knowledge and experience gained by the authors, as well as the material developed from a series of new workshops funded by the Lounsbery Foundation and other granting agencies. Afghanistan and Pakistan have high altitude mountains providing vital water supplies that are highly contentious necessities much threatened by climate change, human land-use variation, and political manipulation, which can be managed in new ways that are in need of comprehensive discussions and negotiations between all the riparian nations of the Indus watershed (Afghanistan, China, India, and Pakistan). This book provides a description of the basic topographic configuration of the Kabul River tributary to the Indus river, together with all its tributaries that flow back and forth across the border between Afghanistan and Pakistan, and the basic elements that are involved with the hydrological cycle and its derivatives in the high mountains of the Hindu Kush and Himalaya. Synthesizes information on the physical geography and political, cultural, and economic implications of Southwest Asian transboundary water resources. Offers a basic topographic description of the Indus River watershed. Provides local water management information not easily available for remote and contentious border areas. Delivers access to the newest thinking from chief personnel on both sides of the contentious border. Features material developed from a series of new workshops funded by the Lounsbery Foundation and other granting agencies.

Explains why the environmental crisis should lead to an abandonment of "free market" ideologies and current political systems, arguing that a massive reduction of greenhouse emissions may offer a best chance for correcting problems.

Millions around the world are demanding action and actively seeking solutions to the unfolding climate crisis. The dialogue at the top is confined to solutions that align with the laws of capitalism and unbridled

economic growth. But what if we look to solutions beyond how we currently structure our economies?

Climate Solutions Beyond Capitalism makes the case that socialism provides the framework for solving the crisis and demonstrates how capitalism acts as a barrier to a shift in our relationship to each other and the planet, crucial for humanity's survival. *Climate Solutions Beyond Capitalism* outlines practices being implemented and studied around the world and conveys both urgency and optimism for the liberation of humanity and the planet. *Climate Solutions Beyond Capitalism* is an urgent call to action to transform the inhumane, unsustainable capitalist system and take an evolutionary leap forward in the way we live and interact with each other and the natural world. -- from *Climate Solutions Beyond Capitalism*

Praise for *Climate Solutions Beyond Capitalism* "Essential guide to averting climate catastrophe that takes the most important, and most ignored approach -- complete systemic change." -- Abby Martin, *The Empire Files* "I highly recommend this valuable, well-documented, concise guide explaining how capitalism is the generator of dangerous climate change as well as other assaults on humans and nature, but also identifying the critically important eco-socialist solutions." -- David Schwartzman, Professor Emeritus, author *About the author: Tina Landis is an organizer in the environmental and social justice movements.*

She works in air quality regulation and climate protection, and holds a certificate in Sustainable Management from the University of California, Berkeley. She is a member of the Party for Socialism and Liberation and writes for *Liberation News*. Paperback, 80 pages, illustrated and indexed. \$7.95 March 2020, Liberation Media ISBN: 978-0-9910303-6-1, Library of Congress Control Number: 2020934000

Alternative Worlds : a Publication of the National Intelligence Council

How Government Wastes Your Money

Building a Resilient Tomorrow

Selections from CQ Researcher

A Study of Climatological Research as it Pertains to Intelligence Problems

After the Apocalypse

Pentagon Reports on Effects of Climate Change on the Defense Department and Military Bases and Facilities, Infrastructure Vulnerability Assessment Sur

Even under the most optimistic scenarios, significant global climate change is now inevitable. While squarely confronting the scale of the risks we face, *Building a Resilient Tomorrow* presents replicable sustainability successes and clear-cut policy recommendations that can improve the climate resilience of communities in the US and beyond.

The transition from President Donald J. Trump to President Joseph R. Biden Jr. stands as one of the most dangerous periods in American history. But as # 1 internationally bestselling author Bob Woodward and acclaimed reporter Robert Costa reveal for the first time, it was far more than just a domestic political crisis. Woodward and Costa interviewed more than 200 people at the center of the turmoil, resulting in more than 6,000 pages of transcripts—and a spellbinding and definitive portrait of a nation on the brink. This classic study of Washington takes readers deep inside the Trump White House, the Biden White House, the 2020 campaign, and the Pentagon and Congress, with vivid, eyewitness accounts of what really happened. Peril is supplemented throughout with never-before-seen material from secret orders, transcripts of confidential calls, diaries, emails, meeting notes and other personal and government records, making for an unparalleled history. It is also the first inside look at Biden's presidency as he faces the challenges of a lifetime: the continuing deadly pandemic and millions of Americans facing soul-crushing economic pain, all the while navigating a bitter and disabling partisan divide, a world rife with threats, and the hovering, dark shadow of the former president. " We have much to do in this winter of peril, " Biden declared at his inauguration, an event marked by a nerve-racking security alert and the threat of domestic terrorism. Peril is the extraordinary story of the end of one presidency and the beginning of another, and represents the culmination of Bob Woodward's news-making trilogy on the Trump presidency, along with *Fear and Rage*. And it is the beginning of a collaboration with fellow Washington Post reporter Robert Costa that will remind readers of Woodward's coverage, with Carl Bernstein, of President

Richard M. Nixon ' s final days.

"We are in the midst of a fundamental debate about the future direction of our world...No nation is better positioned to navigate this future than America." -President Joseph R. Biden, Jr., Interim National Security Strategic Guidance (2021) Interim National Security Strategic Guidance-2021 was issued in March 2021 to convey President Joe Biden's vision for how America will engage with the world, and to provide guidance for US departments while the Biden Administration begins work on a National Security Strategy. This short essay is a good companion to two other reports released during the same period: The Annual Threat Assessment, an annual report of worldwide threats to the national security of the United States, compiled by the US Intelligence Community; and Global Trends 2040-A More Contested World by the National Intelligence Council, which specifically describes long-term global challenges (both available from Cosimo Reports). Students of national security, policymakers, journalists, and anyone interested in US security will find this report essential reading. CQ Researcher ' s Global Issues offers an in-depth and nuanced look at a wide range of today ' s most pressing issues. The 2020 edition of this annual reader looks at new topics that peak student interest that are relevant in today's current events, including changes in U.S. foreign policy, tensions within the European Union, cryptocurrency, the 5G revolution, global fishing controversies, and the rise in extreme weather events. And because it ' s CQ Researcher, the reports are expertly researched and written. Each chapter identifies the key players, explores what ' s at stake, and offers the background and analysis necessary to understand how past and current developments impact the future of each issue.

Renewing America's Advantages

China Lake

Reforming U.S. Drone Strike Policies

Climate Wars

Climate Change and Land-Use Implications

Security and Borders in a Warming World

Global Trends 2030

This book combines (1) the most extensive treatment of the causes and phenomena of climate change in combination with (2) an extensive treatment of social obstacles and challenges (fossil-fuel funded denialism, media failure, political failure, and moral, religious, and economic challenges), (3) the most extensive treatment of the needed transition from fossil-fuel energy to clean energy, and (4) the most extensive treatment of mobilization. It provides the most complete, most up-to-date treatment of the various kinds of clean energy, and how they could combine to provide 70% clean energy by 2035 and 100% before 2050 (both U.S. and worldwide).

The World-renowned Scientists who Stood Up Against Global Warming Hysteria, Political Persecution, and Fraud

The Pentagon's Perspective on Climate Change

Truth, Courage, and Solutions for the Climate Crisis

Inside the Five-Sided Box

Climate Change and Migration

Assessing the Evidence

Falter