

Dear CSN Members,

Below is the climate security update for this week, including a special section on the Endangered Species Act, which turned 50 last week, and its nexus with climate change.

Also, I'm pleased to share that the next Combined Naval Address is coming up. Please mark your calendars for:

Combined Naval Address on Climate, Energy and Environment

Topic: Climate Security & the Caribbean

22 January 2024 / 12 – 1 pm ET / 9 – 10 am PT / Virtual via Teams

Link and speaker details will be sent next week. Hope everyone has a nice weekend,

Kristen

Kristen M Fletcher

Faculty Associate-Research | Naval Postgraduate School

[Energy Academic Group](#) | [Climate & Security Network](#)

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NPS Climate & Security Network Weekly Update: 5 January 2024

Special Section: The Endangered Species Act & Climate Change

- National Public Radio:
 - [Should the Endangered Species Act be updated for climate change accounts?](#)
 - [Tiny deer and rising seas: How climate change is testing the Endangered Species Act](#)
- Science Friday (Podcast): [Orchids, Snails, And Wolves: The Ongoing Benefit Of The Endangered Species Act](#)
- The Boston Globe: [Fifty years on, New England scientists mark anniversary of Endangered Species Act](#)
- The Messenger: [Endangered Species Act Turns 50: A Future of Warming Temperatures, Warring Politics](#)
- The Hill: [Imagining the next 50 years of the Endangered Species Act](#)

NEWS

- [The energy transition in hot and arid countries is vital for global climate targets](#)
5 January 2024, Innovation News Network
- [3 questions will shape Biden's hydrogen plan](#)
4 January 2024, E&E News
- [The fight against climate change may demand that we work with the Taliban](#)
4 January 2024, The Globe and Mail
- [International Court Extends Timeline For Climate Change Opinion \(Again\)](#)
3 January 2024, Forbes

- [The Security Problem With Climate Migration Isn't the Migration](#)
2 January 2024, Just Security
- [The Defense Department must ditch its delusional approach to climate](#)
2 January 2024, The Hill
- [A flood-prone historic site decides to live with rising water rather than fight it](#)
1 January 2024, The Washington Post
- [New Flow Battery Electric Car To Be Made In The USA](#)
31 December 2023, Clean Technica
- [World will look back at 2023 as year humanity exposed its inability to tackle climate crisis, scientists say](#)
29 December 2023, The Guardian
- [Israel-Hamas war not reason for Israel's climate failures, experts say](#)
29 December 2023, The Jerusalem Post
- [Climate Change Makes Forecasting Harder, Says Australia's Watt](#)
29 December 2023, Bloomberg Law
- [Lithium, lightest metal on earth, carries heavy geopolitical weight](#)
28 December 2023, The Interpreter (AUS)
- [How 2024 Will Be a Watershed Climate Moment for China](#)
28 December 2023, Time
- [2023 in Climate News: Did Renewable Energy's Surge Keep Pace With a Radically Warming Climate?](#)
27 December 2023, Inside Climate News
- [Six takeaways from a climate-tech boom](#)
27 December 2023, MIT Technology Review
- [The latest youth climate lawsuit tries a novel argument: The unique environmental vulnerability of children](#)
27 December 2023, Route Fifty
- [This Antarctic Octopus Has a Warning About Rising Sea Levels](#)
21 December 2023, The New York Times

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Plan:** [Maryland's Climate Pollution Reduction Plan](#)
Maryland Department of the Environment, December 2023
- **Report:** [A rock and a hard place: building critical mineral resilience](#)
UK House of Commons Foreign Affairs Committee, December 2023
- **Blog Post:** [The Cost of Inaction](#)
Climate Policy Initiative, 4 January 2024
- **Article:** [Hawaiian wildfires: natural disasters and conspiracy theories](#)

Centre for Information Resilience, 21 December 2023

- **Report:** [Valuing Army Installation Resilience Investments for Natural Hazards](#)
RAND, December 2023
- **Commentary:** [Food Systems Take the Stage at COP28: But Will Actions Match Rhetoric?](#)
Istituto Affari Internazionali, December 2023
- **Report:** [Transatlantic Trade and Climate](#)
Center for Strategic and International Studies, December 2023
- **Article:** [The social costs of hydrofluorocarbons and the benefits from their expedited phase-down](#)
Nature Climate Change, 3 January 2024
- **Article:** [Advancing action on the UN Sustainable Development Goals](#)
PLOS Climate, 4 January 2024
- **Report:** [A Warming Arctic in a Cold War: consequences of climate change for Norwegian security in the Arctic](#)
Norwegian Defence Research Establishment, December 2023
- **Policy Brief:** [Intergovernmental Partnerships in Climate Change Mitigation](#)
German Council on Foreign Relations, December 2023
- **Report:** [Urban Frontiers: Confronting the Climate Crisis – Pathways to Urban Resilience](#)
Observer Research Foundation, December 2023
- **Issue Brief:** [China’s Belt and Road Initiative in the Energy Sector: Progress, Direction, and Trends](#)
Observer Research Foundation, December 2023
- **Issue Brief:** [Up For Grabs? The Western Balkans’ Aging Energy Systems Place It Between East and West](#)
Atlantic Council, December 2023
- **Report:** [Strengthening Food Security in the Force: Building on Our Progress](#)
Under Secretary of Defense for Personnel and Readiness, December 2023
- **Online Multimedia Report:** [Deep Blue Scars: Environmental Threats to the South China Sea](#)
Center for Strategic & International Studies, December 2023
- **Report:** [National Environmental Policy Act: An Overview](#)
Congressional Research Service, 28 December 2023

EVENTS

- [National Climate Assessment Webinars](#)
U.S. Global Change Research Program
 - Earth System Processes: 10 January 2024 / 3 – 4 pm ET / Noon – 1 pm PT

- Mitigation: 11 January 2024 / 3 – 4 pm ET / Noon – 1 pm PT
- Ecosystems: 12 January 2024 / Noon – 1 pm ET / 9 – 10 am PT
- Alaska: 17 January 2024 / 3 – 4 pm ET / Noon – 1 pm PT / 11 am – Noon AK
- **[Building capacities to tackle climate-related risks and opportunities in India’s financial sectors: developing on the ambitions of the G20 and COP28](#)**
17 January 2024 / 10:30 – 12:30 GMT / Virtual
Overseas Development Institute
- **[\[NEW\] Climate Conversations: COP28](#)**
18 January 2024 / 3 – 4:15 pm ET / Noon – 1:15 pm PT
National Academies of Sciences, Engineering and Medicine
- **[\[NEW\] Unpacking the Fifth National Climate Assessment](#)**
18 January 2024 / 3 – 4:30 pm ET / Noon – 1:30 pm PT / Washington DC & Virtual
Environmental and Energy Study Institute
- **[Twentieth International Conference on Environmental, Cultural, Economic & Social Sustainability](#)**
24-26 January 2024 / Aveiro, Portugal & Virtual
University of Aveiro (Portugal)
- **[3-2-1 Action: Transforming Climate Plans into Action](#)**
30 January 2024 / 11 am ET / 8 am PT / Virtual
U.S. Department of Energy
- **[Policy Forum on Nature-based Solutions](#)**
7-8 February 2024 / Washington DC
National Academies of Sciences, Engineering, and Medicine
- **[The Geopolitics of Going Green](#)**
22 February 2024 / 14:30 – 16:00 GMT / Virtual
Overseas Development Institute
- **[Getting a Handle on Clean Hydrogen](#)**
5 March 2024 / 11 am ET / 9 am PT / Virtual
U.S. Department of Energy
- **[World Ocean Summit & Expo](#)**
11-13 March 2024 / Lisbon, Portugal
World Ocean Initiative, The Economist Group
- **[33rd Annual International Conference on Soil, Water, Energy and Air](#)**
18-21 March 2024 / San Diego, CA
AEHS Foundation
- **[21st Annual Climate Prediction Applications Science Workshop \(CPASW\) & 48th Annual Climate Diagnostics and Prediction Workshop \(CDPW\) Joint Meeting](#)**
26-29 March 2024 / Tallahassee, Florida
National Oceanic and Atmospheric Administration

- [2024 Stockholm Forum on Peace and Development](#)
6 May 2024 / Stockholm & Virtual
Stockholm International Peace Research Institute
- [\[NEW\] ICLR 2024 Workshop: Tackling Climate Change with Machine Learning](#)
11 May 2024 / Vienna, Austria
Climate Change AI
- [6th National Adaptation Forum](#)
14-16 May 2024 / Saint Paul, MN
EcoAdapt and American Society of Adaptation Professionals
- [Climate Leadership Conference](#)
21-23 May 2023 / Cleveland, OH
The Climate Registry and partners
- [Getting to Zero Forum](#)
21-23 May 2024 / Charlotte, NC
New Buildings Institute
- [17th International Conference on Climate Change: Impacts & Responses](#)
23 – 25 January 2025 / Miami, FL
Florida International University and Partners

OPPORTUNITIES

- **FY 2025 SERDP Solicitations**
 - [SERDP Core](#) / Pre-proposals due 9 January 2024.
 - [SERDP Exploratory Development \(SEED\)](#) / Proposals due 14 March 2024.
- [\[NEW\] ESTCP FY 2025 Solicitation: Demonstrations of Environmental and Installation Energy Technologies](#)
Environmental Security Technology Certification Program / **Pre-proposals due 7 March 2024.**
- [Call for Papers: Special Issue: Climate Change: How the Sound of the Planet Reflects the Health of the Planet](#)
Journal of the Acoustical Society of America / **Submissions due 30 June 2024.**
- [Funding Opportunity: Environmental and Climate Justice Climate Change Program](#)
Environmental Protection Agency / **Applications accepted on a rolling basis through 21 November 2024.**

Dear CSN Members,

Below is the climate security update for this week, including a special section on some recent legal issues related to climate change.

Also, a reminder of an upcoming event co-sponsored by NPS:

Combined Naval Address on Climate, Energy and Environment

Topic: Climate Security & the Caribbean

22 January 2024 / 12 – 1 pm ET / 9 – 10 am PT

Join the event online at: <https://usnwc.zoom.us/j/83748773581>

Passcode: 052768 / Meeting ID: 837 4877 3581

And, a recent report of interest for those of us in DOD educational institutions:

Report: [Intellectual Firepower: A Review of Professional Military Education in the U.S. Department of Defense](#)

RAND, January 2024

Hope everyone has a nice weekend,

Kristen

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NPS Climate & Security Network Weekly Update: 12 January 2024

Special Section: Recent Legal Issues Related to Climate Change

- Union of Concerned Scientists: [Navigating Net Zero via the Law](#)
- E&E News: [Supreme Court rejects Pebble mine, climate and water cases](#)
- Monterey County Herald: [Sea wall decision could reshape coast](#)
- E&E News: [Energy cases to watch in 2024](#)
- Reuters: [US Supreme Court declines to hear Exxon, Koch Industries appeal on venue in climate case](#)
- Reason Magazine: [Supreme Court Takes a Pass on Minnesota Climate Change Case](#)
- Mother Jones: [Four Legal Battles Affecting Our Climate Future](#)
- JD Supra: [Recent Developments Cloud the Future of Oregon and Washington Climate Programs](#)

NEWS

- [Study: Climate migration will leave the elderly behind](#)
12 January 2024, Grist
- [Just How Wild Is This Week's Weather? One Image Tells the Tale.](#)
12 January 2024, The New York Times
- [Scientists unnerved by record shattering 2023 temperatures](#)

12 January 2024, Axios

- [U.S. takes another big step on climate ‘super-pollutant’](#)
12 January 2024, The Washington Post
- [4 things to know about EPA’s new climate damage metric](#)
11 January 2024, E&E News
- [Advancing Offshore Decarbonization Through Electrification of FPSOs](#)
11 January 2024, The Maritime Executive
- [New ESA Environmental Security Project Goes Live](#)
10 January 2024, Via Satellite
- [Emissions from Israel’s war in Gaza have ‘immense’ effect on climate catastrophe](#)
9 January 2024, The Guardian
- [New York jump-starts the “building decarbonization” trend](#)
9 January 2024, Axios
- [The climate costs of war and militaries can no longer be ignored](#)
9 January 2024, The Guardian
- [Activists Call for Process ‘Overhaul’ After Oil Industry Veteran Confirmed to Lead COP29](#)
9 January 2024, Inside Climate News
- [Before the Flood: Lessons from Attempts to Predict Displacement](#)
9 January 2024, New Security Beat
- [Mind the Gaps: How the UN Climate Plan Fails to Follow the Science](#)
9 January 2024, Yale Environment 360
- [The Death of the 1.5 Degree Climate Target](#)
8 January 2024, Foreign Policy
- [The MENA Region Is Headed for More Insecurity Due to Climate Change. Can This Be Mitigated?](#)
8 January 2024, IPI Global Observatory
- [MIT researchers outline a path for scaling hydrogen production](#)
8 January 2024, MIT News
- [How electricity could help tackle a surprising climate villain](#)
3 January 2024, MIT Technology Review

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Report:** [Climate Damage Caused by Russia’s War in Ukraine](#)
Ministry of Environmental Protection and Natural Resources of Ukraine, December 2023
- **Video:** [Climate Change 2023: The Future of Heat](#)
NBC Boston & National Grid, 20 December 2023

- **Report:** [Global Water Monitor 2023 Summary Report](#)
Global Water Monitor Consortium, January 2024
- **Event Summary:** [Feeding Resilience and the House Climate Solutions Caucus](#)
The Center for Climate & Security, 9 January 2024
- **Report:** [Annual 2023 Global Climate Report](#)
National Centers for Environmental Information, January 2024
- **Report:** [2023 Standard Scenarios Report: A U.S. Electricity Sector Outlook](#)
National Renewable Energy Labor, December 2023
- **Article:** [Eddy activity in the Arctic Ocean projected to surge in a warming world](#)
Nature Climate Change, 10 January 2024
- **Event Summary:** [Climate Change, Geopolitics and Food Security](#)
The Center for Climate & Security, January 2024
- **Report:** [The Global Risks Report 2024](#)
World Economic Forum, 10 January 2024
- **Report:** [Climate Change in Colorado: A report for the Colorado Water Conservation Board](#)
Colorado Climate Center, December 2023
- **Report:** [Transforming Energy Demand](#)
World Economic Forum, January 2024
- **Article:** [Climate finance and conflict: adaptation amid instability](#)
The Lancet Planetary Health, January 2024
- **Articles: Renewable and Sustainable Energy Reviews, March 2024**
 - [The electric vehicles-solar photovoltaics Nexus: Driving cross-sectoral adoption of sustainable technologies](#)
 - [Complementarity of wind and solar power in North Africa: Potential for alleviating energy droughts and impacts of the North Atlantic Oscillation](#)
 - [Robust energy storage system for stable in wind and solar](#)

EVENTS

- [National Climate Assessment Webinars](#)
U.S. Global Change Research Program
 - Alaska: 17 January 2024 / 3 – 4 pm ET / Noon – 1 pm PT / 11 am – Noon AK
 - **[NEW]** Agriculture, Rural Communities, and Food Systems: 18 January 2024 / 4 – 5 pm ET / 1 – 2 pm PT
 - **[NEW]** Tribes and Indigenous Peoples: 19 January 2024 / 1 – 2 pm ET / 10 – 11 am PT
 - **[NEW]** Coastal Effects and Blue Carbon: 22 January 2024 / 1 – 2:30 pm ET / 10 – 11:30 am PT
 - **[NEW]** Oceans: 23 January 2024 / 2 – 3 pm ET / 11 am – Noon PT
 - **[NEW]** Compound Extreme Events: 26 January 2024 / 4 – 4:30 pm ET / 1 – 1:30 pm PT

- [**Building capacities to tackle climate-related risks and opportunities in India's financial sectors: developing on the ambitions of the G20 and COP28**](#)
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- **ESTCP FY 2025 Solicitation: Demonstrations of Environmental and Installation Energy Technologies**
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- **Funding Opportunity: Environmental and Climate Justice Climate Change Program**
Environmental Protection Agency / **Applications accepted on a rolling basis through 21 November 2024.**

Dear CSN Members,

Below is the climate security update for this week, including a special section on the climate change and weather nexus.

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Topic: Climate Challenges in the Caribbean Region

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NPS Climate & Security Network Weekly Update: 19 January 2024

Special Section: Climate Change & Weather

- DW: [What is climate? And how is it different from weather?](#)
- AP News: [US in deep freeze while much of the world is extra toasty? Yet again, it's climate change](#)
- Axios: [Arctic blast tied to polar vortex to test Texas grid again](#)
- Phys.org: [Climate change in the South China Sea found to have global impacts on weather patterns](#)
- Inside Climate News: [Hale Freezes Over](#)
- Bloomberg: [Subzero Days Don't Contradict Climate Change](#)
- ABC News: [Why cold air outbreaks are still happening amid global warming](#)
- Scientific American: [What's Behind the 'Arctic Blast' Plunging into the U.S.?](#)

NEWS

- [Geopolitics – Not Just Summits – Will Shape the Transition to Clean Energy](#)
18 January 2024, Foreign Affairs
- [Climate Change: A Threat to US Forest Carbon Storage](#)
18 January 2024, Environment + Energy Leader
- [MiRCH Update: Key Takeaways from Tracking Climate-Related Military Deployments](#)
18 January 2024, Center for Climate & Security
- [What If the Clean Energy Transition Costs Much Less Than We've Been Told?](#)
18 January 2024, Inside Climate News

- [Supreme Court appears ready to erode Chevron doctrine](#)
17 January 2024, E&E News
- [Greenland is losing more ice than we thought. Here's what it means for our oceans.](#)
17 January 2024, The Washington Post
- [Military Emissions Are Too Big to Keep Ignoring](#)
17 January 2024, The Atlantic
- [Pentagon to install rooftop solar panels](#)
17 January 2024, The Hill
- [The Only Way to Make Climate Progress](#)
17 January 2024, Foreign Policy
- [Climate-resilient seeds offer farmers in Syria a path to food security](#)
17 January 2024, Devex
- [Space Solar Power Project Ends First In-Space Mission with Successes and Lessons](#)
16 January 2024, Cal Tech
- [Climate is on the Ballot Around the World](#)
16 January 2024, The New York Times
- [Genetic Diversity Key for Climate Change Adaptation](#)
15 January 2024, Mirage News
- [Climate change and nature loss are our biggest environmental problems – so why isn't the market tackling them together?](#)
15 January 2024, The Conversation
- [At Davos, conflict, climate change and AI get top billing as leaders converge for elite meeting](#)
14 January 2024, ABC News
- [Human 'behavioural crisis' at root of climate breakdown, say scientists](#)
13 January 2024, The Guardian
- [The Not-So-Hidden Climate Risks For Gaza's Displaced](#)
11 January 2024, Climate Refugees
- [Tackling Climate Change in the Birthplace of Oil](#)
11 January 2024, The New York Times
- [Preparing for How Climate Change Could Alter the Financial System](#)
11 January 2024, Environmental Protection

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Guidebook:** [Small Wind Guidebook](#)
WINDEXchange (U.S. Department of Energy), January 2024
- **Video:** [The science of scenery](#)
Stanford Doerr School of Sustainability, December 2023

*Features Professor Jane Willenbring who is part of the faculty team leading the Climate Security Fellows this year.

- **Article:** [Supply, demand and polarization challenges facing US climate policies](#)
Nature Climate Change, 16 January 2024
- **Article:** [The value of applied science](#)
Nature Communications, 3 February 2024
- **Article:** [Financing a greener future](#)
Nature Communications, 7 February 2024
- **Annual Report:** [Global Water Security Center 2023](#)
Global Water Security Center, January 2024
- **Article:** [Hoping for better](#)
Nature Climate Change, 9 January 2024
- **Strategy:** [Global Water Strategy 2023 Annual Report](#)
U.S. AID, January 2024
- **Report:** [Climate Change and Conflict: Implications for U.S. Central Command](#)
RAND, January 2024
- **Statement:** [Joint Statement on Climate, Peace, and Security in West African and the Sahel Region](#)
U.S. Mission to the United Nations, 11 January 2024

EVENTS

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Stanford University

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- [**\[NEW\] Energy Earthshots: The Frontier of Climate Innovation**](#)
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- [**\[NEW\] Locking in Progress: Climate Security Priorities for 2024**](#)
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Dear CSN Members,

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Hope everyone has a nice weekend,

Kristen

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NPS Climate & Security Network Weekly Update: 26 January 2024

Special Section: Resource – Climate Literacy & Integrating Climate Security into Education

- NPS Climate & Security Network: [Advancing Climate Literacy](#)
- U.S. Department of Defense: [Integrating Climate Security Learning Outcomes in Professional Military Education](#)
- Sustainability Magazine: [Climate Literacy: Why ESG Training for Employees is Crucial](#)
- GreenBiz: [10 resources for improving corporate climate literacy](#)
- UNESCO: [UNESCO at COP28: Making education the long-term solution to the climate crisis](#)
- War on the Rocks: [Wargaming Climate Change: Who Plays for the Red Team?](#)
- Royal Meteorological Society: [Empowering Future Generations: Enhancing Climate Literacy and Education in the UK](#)
- Earth Day.org: [Can climate education save our planet?](#)
- Earth.org: [International Day of Education 2024: Is the Education System Overlooking Climate Change?](#)

NEWS

- [How a new law could block Kerry's replacement](#)
26 January 2024, E&E News
- [Biden reins in gas exports that have raised both U.S. prestige and climate fears](#)
26 January 2024, Politico
- [The Promise and Peril of Nuclear Energy in a Climate Changed World](#)
26 January 2024, The Center for Climate & Security
- [Panama Canal Drought Slows Cargo Traffic](#)
25 January 2024, The New York Times
- [How a diminished Chevron doctrine could weaken Biden's climate law](#)
25 January 2024, E&E News
- [China's EV Power Grid-lock: A Coin Toss for Decarbonization?](#)

25 January 2024, New Security Beat

- [Advocates Celebrate a Legal Win Against US Navy's Staggering Pollution in the Potomac River. A Lack of Effective Regulation Could Dampen the Spirit.](#)
25 January 2024, Inside Climate News
- [Climate change and conflict converge to disrupt supply chains](#)
24 January 2024, Axios
- [A Historic and Devastating Drought in the Amazon Was Caused by Climate Change, Researchers Say](#)
24 January 2024, Inside Climate News
- [Clues from the last ice age help predict oceans' response to continued warming](#)
24 January 2024, Earth.com
- [Extreme wave in Marshall Islands highlights dangers of climate change, experts say](#)
23 January 2024, ABC News
- [FEMA Overhauls Disaster Aid Program, Cites Climate Change Risks](#)
23 January 2024, Forbes
- [No Longer the Silent Victim: How Ukrainian Prosecutors Are Revitalizing Environmental War Crime Law](#)
23 January 2024, Just Security
- [Water, Corruption and Security in Iran](#)
23 January 2024, New Security Beat
- [DOD Awarded More Than \\$55 Million for Base Energy Efficiency Projects](#)
22 January 2024, U.S. Department of Defense Release
- [Climate change impacts, risks and adaptation](#)
19 January 2024, European Environment Agency
- [FEMA to overhaul its disaster aid system after decades of criticism](#)
19 January 2024, Grist
- [Understanding Carbon Border Adjustment Mechanisms](#)
18 January 2024, American Security Project
- [Canada's military emissions are standing in the way of its climate change commitments](#)
18 January 2024, Broadview (CAN)

REPORTS, PUBLICATIONS & OTHER RESOURCES

- Article: [Intensification of Pacific tropical instability waves over the recent three decades](#)
Nature Climate Change, 25 January 2024
- Article: [The Polar Imperative](#)
Oceanus Journal, 22 January 2024
- Article: [The planetary commons: A new paradigm for safeguarding Earth-regulating systems in the Anthropocene](#)

Proceedings of the National Academy of Scientists, 22 January 2024

- **Report:** [50 States of Solar Decommissioning](#)
North Carolina Clean Energy Technology Center, January 2024
- **Report:** [Nuclear Energy: Overview of Congressional Issues](#)
Congressional Research Service, 17 January 2024
- **Tool:** [Interactive Pardee RAND Food-Energy-Water Security Index](#)
RAND, January 2024
- **Report:** [Selected Outcomes of COP28: Agriculture and Food Systems](#)
Congressional Research Service, 3 January 2024

EVENTS

- [National Climate Assessment Webinars](#)
U.S. Global Change Research Program
 - **[NEW]** Social Systems & Justice: 12 February 2024 / 1 – 2:00 pm ET / 10 – 11:00 am PT
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 - **[NEW]** Midwest: 20 February 2024 / 1 – 2 pm CT / 11am – Noon PT
- [Stanford Government Energy Summit](#)
29 – 30 January 2024 / Palo Alto, CA
Stanford University
- [3-2-1 Action: Transforming Climate Plans into Action](#)
30 January 2024 / 11 am ET / 8 am PT / Virtual
U.S. Department of Energy
- [Energy Earthshots: The Frontier of Climate Innovation](#)
1 February 2024 / 2 – 3:30 pm ET / 11 am – 12:30 pm PT / Washington DC & Virtual
Environmental and Energy Study Institute
- [Locking in Progress: Climate Security Priorities for 2024](#)
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6 May 2024 / Stockholm & Virtual
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Strategic Environmental Research and Development Program / **Proposals due 14 March 2024.**
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Journal of the Acoustical Society of America / **Submissions due 30 June 2024.**
- [Funding Opportunity: Environmental and Climate Justice Climate Change Program](#)
Environmental Protection Agency / **Applications accepted on a rolling basis through 21 November 2024.**

Dear CSN Members,

Below is the climate security update for this week. In honor of Groundhog Day, the special section shares perspectives on climate change and its effects on predicting the weather, including the predictive ability of everyone's favorite groundhog, Punxsutawney Phil.

Thanks to everyone who sent in resources!

Kristen

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NPS Climate & Security Network Weekly Update: 2 February 2024

Special Section: Groundhog Day, Climate Change & Weather Predictions

- The Washington Post: [What climate scientists are predicting for the globe in 2024](#)
- NBC News Philadelphia: [If he gets it wrong, groundhog Punxsutawney Phil may have a new reason to blame](#)
- Forbes: [Who Needs A Groundhog When Climate Change Practically Guarantees An Early Spring](#)
- NBC News Connecticut: [Groundhog Day predictions less accurate amid climate change](#)
- New Scientist: [Better weather forecasts could help billions adapt to climate change](#)
- Scientific American: [Climate Change Could Stump AI Weather Prediction](#)

NEWS

- [UN chief: We need fewer loopholes in deals and more cash to fight climate change](#)
2 February 2024, Breaking News (Ireland)
- [The planet is dangerously close to this climate threshold. Here's what 1.5° C really means](#)
1 February 2024, LA Times
- [Risks of Response: Climate Security, Climate Policy & Farmer Protests in Europe](#)
1 February 2024, The Center for Climate & Security
- [Climate Action on the Farm: Catalyzing a No-till Revolution in the US and China](#)
1 February 2024, New Security Beat
- [US and global climate policy: Can Podesta do both?](#)
1 February 2024, E&E News
- [Bridging Gaps Between the Geosciences and National Security](#)
31 January 2024, Eos
- [U.S. Greenhouse Gas Reduction Fund investment needs data map](#)
31 January 2024, Climate Policy Initiative

- [**A veteran advisor is taking over as top U.S. climate diplomat**](#)
31 January 2024, The Washington Post
- [**New Collaboration Builds AI-Focused Resource for Biodiversity Reporting**](#)
30 January 2024, Natural Capital Project, Stanford University
- [**U.S. Will Pay to Add Solar Panels to Hospitals, Schools After Disasters**](#)
30 January 2024, The New York Times
- [**Demographic Shifts and Carbon Emissions: Can Population Decline Solve Global Environmental Challenges?**](#)
30 January 2024, Earth.org
- [**In Sierra Leone, climate change worsens human trafficking of the poor**](#)
29 January 2024, Al Jazeera
- [**Bird AI and sailing drones – green game changers for marine ecosystems**](#)
29 January 2024, Stockholm Resilience Centre
- [**The Sundarbans dilemma: Islands swallowed by water, and nowhere else to go**](#)
27 January 2024, Al Jazeera
- [**Installation Resiliency Is High Priority, Defense Official Say**](#)
26 January 2024, Department of Defense Release
- [**Small modular reactors may have climate benefits, but they can also be climate-vulnerable**](#)
26 January 2024, Stockholm International Peace Research Institute
- [**The hurricane cone graphic is changing this year. Here’s why experts say its needed**](#)
25 January 2024, CNN
- [**Huge rogue waves smash into remote US military base in Pacific**](#)
25 January 2024, CNN
- [**Clusters of atmospheric river amp up California storm damages**](#)
19 January 2024, Stanford News

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Report:** [**The multiple challenges from climate change, urbanization and forced displacement in Irbid Governorate, northwest Jordan**](#)
International Water Management Institute, 31 January 2024
- **Report:** [**Effective Humanitarian Responses Require Collaborative Environmental Management**](#)
USAID, 31 January 2024
- **Issue Brief:** [**Climate change prioritization in low-income and developing countries**](#)
Atlantic Council, 9 January 2024
- **Archive:** [**Climate Change Transparency Project**](#)
National Security Archive, January 2024

- **Fact Sheet: [Proposals to Reduce Fossil Fuel Subsidies](#)**
Environmental and Energy Study Institute, January 2024
- **Analysis Tool: [Watch the Earth breathe for one year](#)**
The Washington Post, 1 February 2024
- **Report: [To Price or Not to Price: Canadian Climate Policy Dilemmas and Implications for Brussels and Washington](#)**
Wilson Center and Canada Institute, January 2024
- **Podcast: [Indigenous Perspectives: What Makes a Just Transition?](#)**
Climate One, 26 January 2024
- **White Paper: [Transforming Energy Demand](#)**
World Economic Forum, January 2024
- **Report: [Advancing a Just Energy Transition in Central Asia; Women's Key Role in the Energy Sector](#)**
Organization for Security and Co-operation in Europe, 23 January 2024
- **Briefing: [Climate-diligent cities: setting the urban standard of mitigation](#)**
Barcelona Centre for International Affairs, December 2023
- **Article: [The US must balance climate justice challenges in the era of artificial intelligence](#)**
Brookings, 29 January 2024
- **Article: [Towards an increasingly biased view on Arctic change](#)**
Nature Climate Change, 22 January 2024
- **Article: [Emergent climate change patterns originating from deep ocean warming in climate mitigation scenarios](#)**
Nature Climate Change, 1 February 2024
- **Report: [Species Victim Impact Statements: Giving a Voice to the Unheard Victims of Environmental Crime](#)**
Global Initiative Against Transnational Organized Crime, January 2024
- **Prediction Model: [Regional Arctic System Model Sea Ice Prediction](#)**
Naval Postgraduate School, 1 January 2024
- **Article: [On the Hill in 2023: A Breakdown of Climate, Energy, and Environmental Congressional Hearings](#)**
Environmental and Energy Study Institute, 30 January 2024
- **Report: [California Landscape of Climate Finance](#)**
Climate Policy Initiative, 29 January 2024
- **Comic: [How Does Climate Change Affect Peace and Security?](#)**
Stockholm International Peace Research Institute, January 2024

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Dear CSN Members,

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Thanks to everyone who sent in resources!

Kristen

Kristen M Fletcher
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NPS Climate & Security Network Weekly Update: 9 February 2024

Special Section: Oceans & Climate

- Institute for Security Studies: [Africa's oceans could pay dearly for the Red Sea Crisis](#)
- United Nations: [How is climate change impacting the world's ocean](#)
- Eos: [Oceans May Have Already Seen 1.7°C of Warming](#)
- The New York Times: [Six Spongy Sea Creatures Suggest Warming Might Be Worse Than Thought](#)
- The Weather Channel: [As Ocean Warming Strengthens Cyclones, Higher Categories Needed to Convey Risks Accurately: Climate Scientists](#)
- NASA Earth Observatory: [The Ocean Has a Fever](#) (2023)
- Relief Web: [Shore thing: climate change and maritime security intrinsically linked](#) (2022)
- Stockholm International Weather Institute: [Security Implications of climate change impacts on the ocean](#) (2021)

NEWS

- [Addressing Climate-Related Risks, Part One: The Challenges](#)
8 February 2024, Forbes
- [Food Waste: A Low-Hanging Fruit for Methane Reductions](#)
8 February 2024, New Security Beat
- [Bitcoin mining uses a lot of energy. The US government is about to find out how much.](#)
8 February 2024, Grist
- [First time world exceeds 1.5C warming limit over 12-month period](#)
8 February 2024, Al Jazeera
- [NASA's PACE satellite will tackle the largest uncertainty in climate science](#)
7 February 2024, The Economist
- [Italy's Energy Deal Faces Backlash in Africa](#)
7 February 2024, Foreign Policy
- [Reflecting on COP28 – and humanity's progress toward meeting global climate goals](#)

6 February 2024, MIT News

- [Category 6-level hurricanes are already here, a new study says](#)
6 February 2024, Grist
- [Weakened Infrastructure and Climate Change: The Threat to Water Security in Nineveh](#)
6 February 2024, New Security Beat
- [How climate change contributes to wildfires like Chile's](#)
5 February 2024, The Washington Post
- [Solar geoengineering could start soon if it starts small](#)
5 February 2024, MIT Technology Review
- [China and Climate Change: Lessons For Negotiators](#)
5 February 2024, Forbes
- [The US Space Force Is Also Catching Space Solar Fever](#)
4 February 2024, Clean Technica
- [What an Author's Trip to the Antarctic Taught Her About Climate – and Collective Action](#)
3 February 2024, Inside Climate News
- [NATO Climate Change and Security Centre of Excellence to open in Montréal: What does it mean for Canadian security?](#)
1 February 2024, The Conversation
- [Sandia uses electric grid analytics to combat wildfire risks and aid post-wildfire recovery](#)
1 February 2024, Sandia National Laboratory Release
- [Environmentalists See Nevada Supreme Court Ruling Bringing State's Water Management 'Into the 21st Century'](#)
31 January 2024, Inside Climate News
- [COP28 Left a Vacuum California Leaders Aim to Fill](#)
29 January 2024, Inside Climate News
- [With the World Stumbling Past 1.5 Degrees of Warming, Scientists Warn Climate Shocks Could Trigger Unrest and Authoritarian Backlash](#)
28 January 2024, Inside Climate News
- [Decarbonizing the U.S. power grid](#)
25 January 2024, MIT Energy Initiative

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Monthly Report:** [Assessing the U.S. Climate in January 2024](#)
National Centers for Environmental Information, 8 February 2024
- **Report:** [Decarbonizing Health Care: Clean Energy Policy Options](#)
Georgetown Climate Center, February 2024

- **Report:** [Environmental and Climate Justice, and the Dynamics of Violence in Latin America: Perspectives from a Regional Working Group on Climate Change, the Environment, Peace and Security in Latin America](#)
Stockholm International Peace Research Institute, February 2024
- **Report:** [Event Summary: Locking in Progress](#)
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Dear CSN Members,

Below is the climate security update for this week and, in honor of this week's Navy Decarbonization Research Consortium meeting, a special section on decarbonization.

Hope everyone has a nice weekend.

Kristen

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NPS Climate & Security Network Weekly Update: 16 February 2024

Special Section: Decarbonization

- Phys.org: [Study aims to provide middle ground for costs associated with reducing greenhouse gas emissions](#)
- Stanford: [Sitting idle boosts the performance of lithium metal batteries for next-generation EVs](#)
- Power Philippines: [Energy security, just transition takes center stage in addressing PH power woes](#)
- Bloomberg: [Five Climate Lessons from the \\$R1.8 Trillion Race to Net Zero](#)
- Stanford Energy: [All Eyes on California to figure out energy decarbonization, economic growth, and fairness](#)
- Columbia Climate School: [What Is Decarbonization, and How Do We Make It Happen?](#) (2022)

NEWS

- [Climate Change and Digitalization: The Cost of Inaction](#)
15 February 2024, Forbes
- [As the Numbers of American Farms and Farmers Declines, Agriculture Secretary Urges Climate Action to Reverse the Trend](#)
14 February 2024, Inside Climate News
- [How to Get More Bang for Your Climate Change Buck](#)
14 February 2024, Foreign Affairs
- [Scientists Resort to Once-Unthinkable Solutions to Cool the Planet](#)
14 February 2024, The Wall Street Journal
- [UN chief warns climate chaos and food crises threaten global peace: 'Empty bellies fuel unrest'](#)
14 February 2024, AP News
- [Climate-driven migration overtakes Russian aggression as biggest security concern, report finds](#)

13 February 2024, Euronews

- [**Rising Hunger: UN chief identifies wars, climate chaos as aggravating factors**](#)
13 February 2024, United Nations Release
- [**\(UK\) Navy could make climate change courses compulsory**](#)
13 February 2024, The Telegraph
- [**The East Coast is Sinking**](#)
13 February 2024, The New York Times
- [**How much carbon can farmers store in their soil? Nobody's sure.**](#)
12 February 2024, Grist
- [**The Complicated Relationship Between Climate, Conflict and Gender in Mozambique**](#)
12 February 2024, New Security Beat
- [**The Planet Needs Solar Power. Can We Build It Without Harming Nature?**](#)
11 February 2024, The New York Times
- [**General Services Administration and Department of Defense seek industry input on potential record-setting federal purchase of clean electricity**](#)
9 February 2024, U.S General Services Administration Release
- [**How to know when the world has passed 1.5°C of global warming**](#)
9 February 2024, The Economist
- [**Duke Energy to remove Chinese batter giant CATL from Marine Corps Base**](#)
9 February 2024, Reuters
- [**How 'local solutions' to climate change may help food security and access to seafood**](#)
8 February 2024, Global Seafood Alliance
- [**Forging a Green Shield**](#)
7 February 2024, Planetary Security Initiative
- [**Fossil fuel-dependent Puerto Rico can fully shift to clean energy by 2050, a federal study says**](#)
7 February 2024, ABC News
- [**Toward more effective environmental policies**](#)
7 February 2024, Stanford Doerr School of Sustainability News
- [**Conflict in the Middle East is affecting a key energy lifeline for Europe. How big is the risk?**](#)
6 February 2024, ABC News
- [**Peace is Necessary to Give the Climate a Chance**](#)
6 February 2024, The Progressive Magazine
- [**Selections Announced: Arctic Energy Ambassadors Program Empowers Sustainable Energy Leadership in Alaska**](#)
6 February 2024, Department of Energy Release

- [US counties are blocking the future of renewable energy: These maps, graphics show how](#)
4 February 2024, USA Today
- [NATO hosts annual roundtable on climate and security](#)
2 February 2024, NATO Release
- [Navy taps data, microgrids to modernize and innovate against climate change](#)
29 January 2024, Defense Scoop

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Report:** [Weathering Risk Climate Security Risk Assessment Methodology – Guide and Tools](#)
adelphi, December 2023
- **Report Chapter:** [Munich Security Report: Climate – Heated Atmosphere](#)
Munich Security Conference, February 2024
- **Article:** [Telecoupled systems are rewired by risks](#)
Nature Sustainability, 7 February 2024
- **Monthly Update:** [January 2024 Global Climate Report](#)
National Centers for Environmental Information, 14 February 2024
- **Video:** [Starvation kills millions every year: Climate change & conflict making problem worse](#)
Al Jazeera, February 2024
- **Video:** [Locking in Progress: Climate Security Priorities for 2024](#)
Council on Strategic Risks, February 2024
 - [Event Summary](#)
- **Report:** [Arctic Energy Security](#)
Center for Strategic and International Studies, January 2024
- **Report:** [Mapping Florida’s Resilience through a National Security Lens](#)
American Security Project, February 2024
- **Article:** [Globally representative evidence on the actual and perceived support for climate action](#)
Nature Climate Change, 9 February 2024
- **Article:** [Physics-based early warning signal shows that AMOC is on tipping course](#)
Science Advances Journal, 9 February 2024
- **Article:** [Heat pumps for all? Distributions of the costs and benefits of residential air-source heat pumps in the United States](#)
Joule, 12 February 2024

EVENTS

- [Research Perspectives on the Health Impacts of Climate Change](#)
19 – 20 February 2024 / Brussels, Belgium

European Commission

- [**The Geopolitics of Going Green**](#)
22 February 2024 / 14:30 – 16:00 GMT / Virtual
Overseas Development Institute
- [**\[NEW\] Developing and Assessing Ideas for Social and Behavioral Research to Speed Efficient and Equitable Industrial Decarbonization: A Workshop**](#)
26-27 February 2024 / Washington DC & Virtual
National Academies of Sciences, Engineering, and Medicine
- [**Climate Conversations: Offshore Wind**](#)
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- [**Getting a Handle on Clean Hydrogen**](#)
5 March 2024 / 11 am ET / 8 am PT / Virtual
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- [**\[NEW\] GWSC Deep Dive Webinar Series: Water Wars**](#)
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26-29 March 2024 / Tallahassee, Florida
National Oceanic and Atmospheric Administration
- [**2024 Stockholm Forum on Peace and Development**](#)
6 May 2024 / Stockholm & Virtual

Stockholm International Peace Research Institute

- [ICLR 2024 Workshop: Tackling Climate Change with Machine Learning](#)
11 May 2024 / Vienna, Austria
Climate Change AI
- [6th National Adaptation Forum](#)
14-16 May 2024 / Saint Paul, MN
EcoAdapt and American Society of Adaptation Professionals
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- [Getting to Zero Forum](#)
21-23 May 2024 / Charlotte, NC
New Buildings Institute
- [17th International Conference on Climate Change: Impacts & Responses](#)
23 – 25 January 2025 / Miami, FL
Florida International University and Partners

OPPORTUNITIES

- [Call for Applications: Youth-Led Visions for a Climate-Secure Pacific](#)
The Center for Climate & Security / **Applications due 1 March 2024.**
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California Ocean Protection Council, January 2024 / **Public comments due 4 March 2024**
via email to Ben.Dorfman@resources.ca.gov.
- [ESTCP FY 2025 Solicitation: Demonstrations of Environmental and Installation Energy Technologies](#)
Environmental Security Technology Certification Program / **Pre-proposals due 7 March 2024.**
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Strategic Environmental Research and Development Program / **Proposals due 14 March 2024.**
- [Call for Papers: Special Issue: Climate Change: How the Sound of the Planet Reflects the Health of the Planet](#)
Journal of the Acoustical Society of America / **Submissions due 30 June 2024.**
- [Funding Opportunity: Environmental and Climate Justice Climate Change Program](#)
Environmental Protection Agency / **Applications accepted on a rolling basis through 21 November 2024.**

Dear CSN Members,

Below is the climate security update for this week and a special section on podcasts related to climate, energy and environmental security.

Hope everyone has a nice weekend.

Kristen

Kristen M Fletcher
Faculty Associate-Research | Naval Postgraduate School
[Energy Academic Group](#) | [Climate & Security Network](#)
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kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 23 February 2024

Special Section: Podcasts – Climate, Energy & Environmental Security

- Climate One: [Let's Talk Dirty to Clean Energy](#)
- Climate One: [Geothermal: So Hot Right Now](#)
- The Climate Question (BBC News): [Are wetlands our secret weapon for fighting climate change?](#)
- Outside/In: [The edge of ice](#)
- Drilled: [Dana R. Fisher on the Past, Present and Future of Climate Protest](#)
- New Security Beat: [Relief, Recovery and Peace: A Follow-up Interview with DAS Iris Ferguson](#)
- Radio Ecoshock: [Cat 6, Grid Down & the Behavior Crisis](#)
- Energy 360° (Center for Strategic and International Studies): [Energy Transitions with Tim Gould](#)
- Royal United Services Institute for Defence and Security Studies: [In Hot Water: Illegal Fishing in a Warming World](#) (6 episodes)
- Forces for Nature: [The Surprising Benefits of Beavers with Alison Zak](#)

NEWS

- [A geothermal energy boom could be coming to Chicago's South Side](#)
23 February 2024, Grist
- [Russia's war on Ukraine chills Arctic climate science](#)
23 February 2024, E&E News
- [DOD Can Meet the Need for Climate Intelligence With a Community-Wide Center](#)
22 February 2024, Just Security
- [Two years on, what the Russian invasion of Ukraine means for energy security and net-zero emissions](#)
21 February 2024, Atlantic Council
- [Climate Change takes center stage at the Raisina Dialogue](#)
21 February 2024, Planetary Security Initiative

- [Climate Change Burns The Fortunate – Not Just The Amazon Rainforest](#)
21 February 2024, Forbes
- [Delay to establishing the board of a fund for people harmed by global warming threatens to undermine human rights](#)
21 February 2024, Amnesty International
- [Does Russia stand to benefit from climate change?](#)
21 February 2024, Notre Dame News
 - Related Journal Article: [Russia in a changing climate](#) (2023)
- [Escalating Middle East conflict means North America must bolster global energy security](#)
21 February 2024, Atlantic Council
- [California’s Climate Leadership: A Timeline](#)
21 February 2024, Legal Planet
- [Biden’s LNG Pause Driven by Climate Goals, Election Politics](#)
20 February 2024, Bloomberg Law
- [Does LNG really fight climate change? LNG claims, examined](#)
20 February 2024, Canary Media
- [Biden’s climate law fines oil companies for methane pollution. The bill is coming due.](#)
20 February 2024, Grist
- [Global hunger crisis deepens due to climate change and conflicts](#)
20 February 2024, Environmental Health News
- [FAO Proposes Five Key Actions to Address Climate-Conflict Nexus at UN Security Council](#)
20 February 2024, Morning Ag Clips
- [Big changes start small: For Our Planet campaign for nature and climate kicks off](#)
19 February 2024, European Commission
- [South African State Climate Body Slams National Energy Plan](#)
18 February 2024, Bloomberg
- [4 ways AI could help us respond to climate change](#)
18 February 2024, Fast Company
- [Global warming and inflation: Security food security is a task that Pakistan cannot ignore](#)
17 February 2024, Dunya News (Pakistan)
- [What Does Net Zero Really Mean?](#)
16 February 2024, Forbes
- [DOD Releases Strategy to Build Resilient, Healthy Environments for Service Members and Families](#)
16 February 2024, U.S. Department of Defense Release

- [Turning Climate Shocks into Action: 5 Keys to Saving Ourselves](#)
16 February 2024, Forbes
- [A New Study Revealed Big Underestimates of Greenland Ice Loss – and the Power of New Technologies to Track the Changes](#)
15 February 2024, Inside Climate News
- [Conflict and Climate Change are Supercharging Malaria, But It Can Be Stopped](#)
14 February 2024, The Global Fund
- [Department of Energy Partners with States and Research Institutes to Boost Offshore Wind Development](#)
14 February 2024, Inside Climate News
- [UAE, Azerbaijan, Brazil join forces to limit global warming to 1.5C](#)
13 February 2024, Al Jazeera
- [Why this is one of the planetary shifts scientists are most worried about](#)
9 February 2024, The Washington Post

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Essay:** [US Energy Superpower Status and a New US Energy Diplomacy](#)
Hoover Institution, Stanford University, February 2024
- **Policy Brief:** [Airports, air pollution and climate change](#)
Overseas Development Institute, 22 February 2024
- **Report:** [Fishy Business: Estimating the impact of irregular and unsustainable fishing of distant-water fishing fleets in Ecuador, Ghana, Peru, the Philippines and Senegal](#)
Overseas Development Institute, February 2024
- **Working Paper:** [Towards a ‘peace continuum’ approach to climate security – Insights from the Horn of Africa](#)
Danish Institute for International Studies, 20 February 2024
- **Article:** [Addressing the climate crisis through engineering biology](#)
npj Climate Action (Nature), 21 February 2024
- **Statement:** [Climate change affects everyone, but not equally](#)
International Committee of the Red Cross, 14 February 2024
- **Report:** [UN Environment Programme Annual Report 2023](#)
UN Environment Programme, February 2024
- **Workshop Proceedings:** [Supply Chain Disruptions: Impacts on Vulnerable Communities](#)
National Academies of Sciences, Engineering and Medicine, February 2024
- **Report:** [Global Risks Report 2024: 19th Edition](#)
World Economic Forum, January 2024
- [Municipal finance shapes urban climate action and justice](#)

Nature Climate Change, 16 February 2024

- [Landscape of Guarantees for Climate Finance in EMDEs](#)
Climate Policy Initiative, February 2024
- **Strategy:** [Department of Defense Strategy for Resilient and Healthy Defense Communities](#)
Deputy Secretary of Defense, February 2024

EVENTS

- [Developing and Assessing Ideas for Social and Behavioral Research to Speed Efficient and Equitable Industrial Decarbonization: A Workshop](#)
26-27 February 2024 / Washington DC & Virtual
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- **[NEW]** [Accelerating Climate Action with Diversified Carbon Removal Portfolios](#)
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GreenBiz
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Environmental Protection Agency / **Applications accepted on a rolling basis through 21 November 2024.**

Dear CSN Members,

Below is the climate security update for this week (it's a hefty one!) and a special section on the UN Environment Assembly (UNEA-6) which met this week.

Thanks to everyone who sent in resources! Hope everyone has a nice weekend.

Kristen

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NPS Climate & Security Network Weekly Update: 1 March 2024

Special Section: UN Environment Assembly

- CGTN Africa: [Sixth United Nations Environmental Assembly kicks off in Nairobi](#)
- UN Environment Programme: [UN Environment Assembly opens at critical time for the planet](#)
- Euronews: [What is the UN Environment Assembly and how is it tackling the triple planetary crisis?](#)
- Premium Times (Nigeria): [At UNEA-6, Heads of State call for greater cooperation on environment](#)
- The Standard: [UNEA-6 to build on outcomes of Africa Climate Summit](#)
- AP News: [UN member states are meeting to plan how to tackle the world's environmental crises](#)
- Center for International Environmental Law: [Climate Vulnerable Nations Reject US-led Push for Solar Geoengineering at UNEA-6](#)

NEWS

- [Interagency workshop identifies new approaches to climate change and instability](#)
1 March 2024, State Magazine
- [Is the USDA's spending on 'climate smart' farming actually helping the climate?](#)
1 March 2024, Grist
- [Ceremony celebrates completion of microgrid](#)
29 February 2024, Fort Cavazos Sentinel (TX)
- [In Texas, a powerful combination of dry land and high winds fuels wildfires](#)
29 February 2024, NBC News
- [Money Can Grow on Trees: Forestry Rights Reform for Decarbonization in China](#)
29 February 2024, New Security Beat
- [The Green Industrial Race: US Versus China](#)
29 February 2024, Forbes

- [Texas nuclear weapons facility pauses operations amid spreading wildfires](#)
27 February 2024, Politico
- [US energy transition policy is leaving vulnerable workers behind](#)
27 February 2024, The Hill
- [Brazil stresses need to tackle climate change to avoid further global instability](#)
27 February 2024, Reuters
- [Federal Data Reveals a Surprising Drop in Renewable Power in 2023, as Slow Winds and Drought Took a Toll](#)
27 February 2024, Inside Climate News
- [Israel's campaign in Gaza is fueling demands to make 'ecocide' an international crime](#)
26 February 2024, Grist
- [Unexpected side effects of large-scale forestation on climate change](#)
26 February 2024, Open Access Government
- [The Path to Alternative Energy Is Not Always As Bright As It Seems](#)
26 February 2024, The Hilltop
- [Drawing a line in the sand as communities adapt to climate change](#)
25 February 2024, UN News
- [Flooded Greek lake a warning to European farmers battling climate change](#)
24 February 2024, Reuters
- [How Climate Threats are Addressed in the National Defense Authorization Act](#)
23 February 2024, The Center for Climate & Security
- [US Department of Defense Plots Renewable Energy Takeover](#)
23 February 2024, Clean Technica
- [Battery pioneer JB Straubel encourages innovators to 'reinvent everything'](#)
23 February 2024, Stanford Doerr School of Sustainability
- [Protecting the Environment in Armed Conflict](#)
22 February 2024, Geneva Environment Network
- [Climate and conflict collide on the high seas: UN warns of soaring costs and delays](#)
22 February 2024, United Nations News
- [Better links between waste management, circular economy and climate change mitigation measures can boost greenhouse gas emission reductions](#)
22 February 2024, European Environment Agency
- [Just How Many People Will Die From Climate Change?](#)
22 February 2024, The New York Times
- [Here's Where Biden's Climate Law Is Working, and Where It's Falling Short](#)
21 February 2024, The New York Times

- [Global energy company to fight US transformer shortage with NC expansion](#)
21 February 2024, Carolina Public Press
- [Another Climate Impact Hits the Public's Radar: A Wetter World is Mudslide City](#)
20 February 2024, Inside Climate News
- [Climate change, extreme weather & conflict exacerbate global food crisis](#)
19 February 2024, Mongabay
- [Von der Leven's 2nd-term pitch: More military might, less climate talk](#)
19 February 2024, Politico
- [Beijing's influence on Latin America's energy mix is growing – especially in renewables](#)
12 February 2024, Atlantic Council
- [Climate watch: National security implications for climate change in the Arctic](#)
11 February 2024, Centre Daily Times (PA)

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Report:** [Climate Change: Options to Enhance the Resilience of Federally Funded Flood Risk Management Infrastructure](#)
U.S. Government Accountability Office, February 2024
- **Report:** [Environmental Cleanup: DOD Should Communicate Future Costs for Red Hill Remediation and Closure](#)
U.S. Government Accountability Office, February 2024
- **Report:** [Climate tax policy reform options in 2025](#)
The Hamilton Project, February 2024
- **Interview:** [Climate change adaptation and security: Two sides of the same coin](#)
McKinsey & Company, 28 February 2024
- **Report:** [Fit For Purpose: Effective Peace Operation Partnerships in an Era of Non-Traditional Security Challenges](#)
Stockholm International Peace Research Institute, February 2024
- **Report:** [People and planet: addressing the interlinked challenges of climate change, poverty and hunger in Asia and the Pacific](#)
Economic and Social Commission for Asia and the Pacific, February 2024
- **Report:** [Public Financial Institutions' Climate Commitments: 2023 Update](#)
Climate Policy Initiative, February 2024
- **Fact Sheet:** [Climate Jobs \(2024\)](#)
Environmental and Energy Study Institute, 26 February 2024
- **Report:** [Race to sustainability? Egypt's challenges and opportunities to 2050](#)
Institute for Security Studies, February 2024
- **Report:** [Troubled Waters in Conflict and a Changing Climate: Transboundary Basins Across the Middle East and North Africa](#)

Malcolm H. Kerr Carnegie Middle East Center, 12 February 2024

- **Guidance:** [Coastal hazards and climate change guidance](#)
New Zealand Ministry for the Environment, February 2024
- **Podcast:** [Why Should Congress Care about International Climate Finance? With Henry Gonzales of the Green Climate Fund](#)
Environmental and Energy Study Institute, 27 February 2024
- **Report:** [Promoting Peace through Climate-resilient Food Security Initiatives](#)
Stockholm International Peace Research Institute, February 2024
- **Report:** [Measuring Economic Vulnerability and Resilience to Climate Change](#)
International Development Research Centre, February 2024
- **Report:** [The India opportunity: Developing resilient electronics supply chains](#)
Observer Research Foundation, February 2024
- **Paper:** [The State of EU-US Digital and Energy Cooperation](#)
Istituto Affari Internazionali, February 2024
- **Comment:** [Traditional Conflicts and Dynamic Coalitions at the World Climate Conference](#)
German Institute for International and Security Affairs, February 2024
- **Event Summary:** [Integrating Climate Change into Professional Military Education](#)
International Military Council on Climate & Security, February 2024
- **Article:** [The European Union-Russia energy divorce: state of play](#)
Bruegel, 22 February 2024
- **Information Resource:** [Climate change mitigation: reducing emissions](#)
European Environment Agency, 22 February 2024
- **Event Video:** [Energy Earthshots: The Frontier of Climate Innovation](#)
Environmental and Energy Study Institute, 1 February 2024
- **Event Video:** [Innovations in Weather Forecasting for a Changing Climate](#)
Environmental and Energy Study Institute, 15 February 2024
- **Report:** [National resilience: Lessons for Australian policy from international experience](#)
The Australian Strategic Policy Institute, February 2024
- **Video:** [Peace Points: The world in early 2024 – Taking stock and looking ahead](#)
Stockholm International Peace Research Institute, February 2024
- **Article:** [Microgrids for the 21st Century: The Case for a Defense Energy Architecture](#)
Joint Force Quarterly, January 2024
- **Report:** [State of Power 2024: Energy, Power and Transition](#)
Transnational Institute, February 2024
- **Report:** [Western Sanctions and Russia's Role for Global Energy](#)
Russian Analytical Digest, 29 January 2024

EVENTS

- [Getting a Handle on Clean Hydrogen](#)
5 March 2024 / 11 am ET / 8 am PT / Virtual
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- [\[NEW\] Telling the Story of Climate Change: Lessons from an LA Times Reporter](#)
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Center for the Blue Economy, Middlebury Institute of International Studies at Monterey
- [GWSC Deep Dive Webinar Series: Water Wars](#)
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- [\[NEW\] Analytics and Artificial Intelligence to Improve Water Conservation Measures for DoD Installations](#)
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26-29 March 2024 / Tallahassee, Florida
National Oceanic and Atmospheric Administration
- [\[NEW\] Introduction to Strategic Science Communication](#)
12 April 2024 / 1 pm ET / 10 am PT / Virtual
Compass
- [\[NEW\] Innovations in Climate Resilience Conference 2024](#)
22-24 April 2024 / Washington DC
Battelle and National Lab Technical Partners
- [2024 Stockholm Forum on Peace and Development](#)
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Environmental Security Technology Certification Program / **Pre-proposals due 7 March 2024.**
- [SERDP Exploratory Development \(SEED\)](#)
Strategic Environmental Research and Development Program / **Proposals due 14 March 2024.**

- **[NEW] [Call for Community Liaisons/Speakers: State-of-the-Science and the Future of Cumulative Impact Assessment](#)**
National Academies of Sciences, Engineering and Medicine / **Submissions due 15 March 2024.**
- **[Call for Papers: Special Issue: Climate Change: How the Sound of the Planet Reflects the Health of the Planet](#)**
Journal of the Acoustical Society of America / **Submissions due 30 June 2024.**
- **[Funding Opportunity: Environmental and Climate Justice Climate Change Program](#)**
Environmental Protection Agency / **Applications accepted on a rolling basis through 21 November 2024.**

Dear CSN Members,

Below is the climate security update for this week and, inspired by the participants in a Civil-Military Coordination in Disaster Relief course this week at NPS, a special section on climate change financing.

I'm also pleased to share an upcoming 2-part event on Sea Level Rise and Security issues. Please plan to join us for:

- [**Combined Naval Address on Climate, Energy and Environment Featuring John Englander**](#)
26 March 2024 / 12:30 ET / 09:30 PT / Virtual
Co-hosted by NPS, Naval War College, U.S. Naval Academy, U.S. Naval Community College and Marine Corps University
- [**Seapower Conversation: Security Challenges from Rising Seas**](#)
2 May 2024 / 1:00 pm ET / 10:00 am PT / Monterey, CA and Virtual
Climate & Security Network and Naval Warfare Studies Institute

Hope everyone has a nice weekend.

Kristen

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NPS Climate & Security Network Weekly Update: 8 March 2024

Special Section: Climate Change Financing

- Inside Climate News: [**How Developing Nations Battered by Climate Change Are Crushed by Debt from International Lenders**](#)
- Amnesty International: [**Pakistan: Extreme weather events exemplify the urgent need to operationalize the Loss and Damage Fund**](#)
- Balkan Green Energy News: [**Bridging the climate financing gap – seizing the opportunity**](#)
- UN News: [**UN chief appeals for greater support for small islands fighting climate change**](#)
- Arab News: [**A new model for climate financing**](#)
- Nature: [**A giant fund for climate disasters will soon open. Who should be paid first?**](#)
- Context: [**The Pacific island nation changing the loss and damage debate**](#)

NEWS

- [**International Court Adds Participant, Keeps Deadline For Climate Change Opinion**](#)
8 March 2024, Forbes
- [**Under the Weather – The National Security Risks from Climate Change Could Go Well Beyond What the U.S. Government Thinks**](#)
7 March 2024, Just Security
- [**How climate change primed Texas to burn**](#)
7 March 2024, Grist

- [How to Clean Up the Clean Energy Transition: Preventing Violence Over New ‘Conflict Minerals’](#)
6 March 2024, Just Security
- [New rules will force U.S. firms to divulge role in warming the planet](#)
6 March 2024, The Washington Post
- [S.E.C. Approves New Climate Rules Far Weaker Than Originally Proposed](#)
6 March 2024, The New York Times
- [New Data Details the Risk of Sea-Level Rise for U.S. Coastal Cities](#)
6 March 2024, The New York Times
- [A new satellite will track climate-warming pollution. Here’s why that’s a big deal.](#)
5 March 2024, National Public Radio
- [Army joins battle against wildfires in West Texas Panhandle](#)
5 March 2024, Amarillo Globe-News
- [Want clean electricity? These are the overlooked elected officials who get to decide.](#)
5 March 2024, Grist
- [The Arctic Ocean could be ‘ice-free’ within the decade, researchers warn](#)
5 March 2024, Los Angeles Times
- [Asia faces serious climate change economic loss](#)
5 March 2024, The Asset
- [UN Environment Assembly Concludes With Renewed Commitments to Tackle Climate, Biodiversity and Pollution](#)
4 March 2024, Health Policy Watch
- [How to ‘decouple’ emissions from economic growth? These economists say you can’t.](#)
4 March 2024, Grist
- [How the world’s largest ocean decarbonization plant will work](#)
4 March 2024, Eco-Business
- [Texas will add more grid batteries than any other state in 2024](#)
3 March 2024, Grist
- [US Military Eyeballs Super-Sporty Electric Vehicles For All-Terrain Duty](#)
3 March 2024, Clean Technica
- [Would limiting US fossil fuel production actually help climate change?](#)
3 March 2024, The Hill
- [Protecting climate refugees requires a legal definition](#)
2 March 2024, Al Jazeera
- [Military leaders discuss climate change’s impact on security](#)
2 March 2024, U.S. Army Release

- [**The New Arctic: Amid Record Heat, Ecosystems Morph and Wildlife Struggle**](#)
1 March 2024, New Security Beat
- [**Trade facilitation could make countries more resilient to climate impacts**](#)
29 February 2024, Brookings
- [**People displaced by climate crisis to testify in first-of-its-kind hearing in US**](#)
29 February 2024, The Guardian
- [**Safety fears stall U.N. bid to examine sun-blocking climate change tech**](#)
29 February 2024, Reuters
- [**Power when the sun doesn't shine**](#)
29 February 2024, MIT News
- [**Why irrigation needs to think smaller to save Kenyan pastoralism**](#)
28 February 2024, The New Humanitarian
- [**Greenland stakes a Course within Defense and Diplomacy**](#)
27 February 2024, The Arctic Institute
- [**What a Major Solar Storm Could Do To Our Planet**](#)
26 February 2024, The New Yorker
- [**Switzerland calls on UN to explore possibility of solar geoengineering**](#)
22 February 2024, The Guardian
- [**Smith v Fonterra: A Common Law Climate Litigation Breakthrough**](#)
12 February 2024, Climate Law Blog (Sabin Cetner for Climate Change Law)

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Guidance:** [**OMB Ecosystem Services Guidance: Explanation and Response to Public Input**](#)
Office of Management and Budget, 28 February 2024
- **Book Review:** [**Climate Change, Conflict and \(In\)Security: Hot War**](#)
Small Wars Journal, 5 March 2024
- **Event Summary:** [**Arctic Security – a Tabletop Game for the World House Student Fellows Program**](#)
Center for Climate & Security, 7 March 2024
- **Comments:** [**DASD Caroline Baxter On Integrating Climate Change into Professional Military Education**](#)
Center for Climate & Security, 7 March 2024
- **Podcast:** [**Climate change: Saving nature from rising temperatures and conflict around the world**](#)
United Nations News, 28 February 2024
- **Podcast:** [**Rising tides, shifting borders – Migration in a changing climate**](#)
Overseas Development Institute, 5 March 2024

- **Report:** [The unjust climate: Measuring the impacts of climate change on rural poor, women and youth](#)
Food and Agriculture Organization of the United Nations, March 2024
- **Podcast:** [Sarah Ladislav on US Climate Security and “Mutually Assured Resilience”](#)
New Security Beat, 5 March 2024
- **Report:** [Cultivating a more enabling environment: Strengthening women’s resilience in climate-vulnerable and conflict-affected communities](#)
Women for Women International, February 2024
 - **Related Podcast:** [Climate, Conflict, and Women’s Resilience: A Recent Women for Women International Report](#)
New Security Beat, 8 March 2024
- [Climate threats to coastal infrastructure and sustainable development outcomes](#)
Nature Climate Change, 1 March 2024
- **Article:** [Public perceptions and support of climate intervention technologies across the Global North and Global South](#)
Nature Communications, 6 March 2024
- **Article:** [Climate Change and Military Power: Hunting for Submarines in the Warming Ocean](#)
Texas National Security Review, Spring 2024
- **Report:** [Supporting Sustainable Security in a Hot and Hungry World](#)
Nexus²⁵, March 2024
- **Resource:** [Climate Change and Freshwater Harmful Algal Blooms](#)
U.S. Environmental Protection Agency, 4 March 2024
- **Report:** [Attack Surface of Wind Energy Technologies in the United States](#)
Idaho National Laboratory, January 2024
- **Report:** [Nature-Based Solutions & Risk Management: Recommendations for Integrating Nature into Risk Science and Insurance](#)
Center for Coastal Climate Resilience, UC Santa Cruz, February 2024
- **Technical Document:** [Repository of systematic reviews on interventions in environment, climate change and health](#)
World Health Organization, 5 February 2024

EVENTS

- **[NEW]** [Using EPA’s Sustainable Procurement Tools to Achieve Sustainability Goals](#)
13 March 2024 / 11:00 am PT / Virtual
U.S. Environmental Protection Agency
- **[NEW]** [Enabling energy access in Africa](#)
13 March 2024 / 10:00 am ET / 7:00 am PT / Virtual
Atlantic Council
- [A Resilient Pacific: Building Connections, Envisioning Solutions](#)

14-15 March 2024 / Palo Alto, CA
Stanford University

- [**Workshop on Climate Change and Human Migration: An Earth Systems Science Perspective**](#)
18-19 March 2024 / Virtual
National Academies of Sciences, Engineering and Medicine
- [**Comprehensive Initiatives in Climate Management Planning**](#)
21 March 2024 / Noon ET / 9:00 am PT / Virtual
SERDP & ESTCP
- [**33rd Annual International Conference on Soil, Water, Energy and Air**](#)
18-21 March 2024 / San Diego, CA
AEHS Foundation
- [**AI and Physical Science for Climate Innovation Symposium**](#)
26-27 March 2024 / Berkeley, CA
Climate Change AI
- [**Energy Exchange**](#)
26-28 March 2024 / Pittsburgh, PA
U.S. Department of Energy
- [**21st Annual Climate Prediction Applications Science Workshop \(CPASW\) & 48th Annual Climate Diagnostics and Prediction Workshop \(CDPW\) Joint Meeting**](#)
26-29 March 2024 / Tallahassee, Florida
National Oceanic and Atmospheric Administration
- [**Introduction to Strategic Science Communication**](#)
12 April 2024 / 1 pm ET / 10 am PT / Virtual
Compass
- [**Innovations in Climate Resilience Conference 2024**](#)
22-24 April 2024 / Washington DC
Battelle and National Lab Technical Partners
- [**2024 Stockholm Forum on Peace and Development**](#)
6 May 2024 / Stockholm & Virtual
Stockholm International Peace Research Institute
- [**ICLR 2024 Workshop: Tackling Climate Change with Machine Learning**](#)
11 May 2024 / Vienna, Austria
Climate Change AI
- [**6th National Adaptation Forum**](#)
14-16 May 2024 / Saint Paul, MN
EcoAdapt and American Society of Adaptation Professionals
- [**Climate Leadership Conference**](#)
21-23 May 2023 / Cleveland, OH

The Climate Registry and partners

- [Getting to Zero Forum](#)
21-23 May 2024 / Charlotte, NC
New Buildings Institute
- [Climate Crossroads Summit 2024](#)
16-17 July 2024 / Washington, DC & Virtual
National Academies of Sciences, Engineering, and Medicine
- [17th International Conference on Climate Change: Impacts & Responses](#)
23 – 25 January 2025 / Miami, FL
Florida International University and Partners

OPPORTUNITIES

- **[NEW]** [Call for Research Fellows: Project Drawdown](#)
Project Drawdown / **Application review begins 15 March 2024.**
- [Call for Community Liaisons/Speakers: State-of-the-Science and the Future of Cumulative Impact Assessment](#)
National Academies of Sciences, Engineering and Medicine / **Submissions due 15 March 2024.**
- **[NEW]** [Call for Proposals: National Defense Center for Energy and Environment](#)
NDECC / **Quad Charts due 1 April 2024.**
- [Call for Papers: Special Issue: Climate Change: How the Sound of the Planet Reflects the Health of the Planet](#)
Journal of the Acoustical Society of America / **Submissions due 30 June 2024.**
- [Funding Opportunity: Environmental and Climate Justice Climate Change Program](#)
Environmental Protection Agency / **Applications accepted on a rolling basis through 21 November 2024.**

Dear CSN Members,

Below is the climate security update for this week and a special section on the EU's first climate risk report issued this week by the European Environment Agency.

Also, very pleased to share an article on the NPS-Stanford collaboration and a recent workshop at Stanford's Hopkins Marine Station in Monterey:

- [NPS, Stanford Collaborate on Ocean and Climate Security Solutions at Workshop](#)
13 March 2024, EIN Presswire

Hope everyone has a nice weekend and a Happy St. Patrick's Day!

Kristen

Kristen M Fletcher
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NPS Climate & Security Network Weekly Update: 15 March 2024

Special Section: European Climate Risk Assessment

- European Environment Agency Report: [European climate risk assessment](#)
- European Environment Agency Release: [Europe is not prepared for rapidly growing climate risks](#)
- Politico: [5 things we learned from the EU's big \(and first\) climate risk report](#)
- Euronews: [European leaders 'outpaced' by increasing risk from climate change, environment watchdog warns](#)
- Al Jazeera: [Climate change threatens EU with mass deaths and huge costs: Report](#)

NEWS

- [Australia pledges millions for Mekong water security and climate change resilience](#)
15 March 2024, The Mandarin
- [Climate change is spurring a longer spring – with consequences](#)
15 March 2024, Axios
- [A New Surge in Power Use Is Threatening U.S. Climate Goals](#)
14 March 2024, The New York Times
- [The UK Is Failing On Net Zero And Energy Security](#)
14 March 2024, Forbes
- [Bangladesh's Climate Advocacy: Efforts Of The Global South In Pursuit Of Climate Justice](#)
14 March 2024, Eurasia Review
- [Senate Foreign Relations Committee Hearing: Need for Stronger US Leadership on Food Security in a Time of Climate Crisis](#)

13 March 2024, Center for Climate & Security

- [As heat becomes a national threat, who will be protected?](#)
13 March 2024, Grist
- [How to overcome political polarization on climate change](#)
13 March 2024, Knowable Magazine
- [The Financing Dilemma: How The Private Sector Can Bridget The Climate Financing Gap](#)
13 March 2024, Forbes
- [One planet, two realities: Realizing energy transition in the Global South](#)
13 March 2024, S&P Global
- [Energy industry methane emissions rise close to record in 2023](#)
13 March 2024, Al Jazeera
- [Heat, Oil and Dust: The State of Iran's Lakes and Its Climate Future](#)
12 March 2024, New Security Beat
- [Việt Nam and Laos team up to protect water and environment in Mã and Neun-Cả rivers](#)
12 March 2024, Việt Nam News
- [North Sea Countries Not Aligned With Climate Targets, Report Shows](#)
12 March 2024, Forbes
- [These Cattle Farmers Are Cutting Emissions and Boosting Nature](#)
11 March 2024, Time
- [Launch of the Iraq Environment and Climate Change Policy Advisory Group](#)
11 March 2024, United Nations Release
- ['Once-Unthinkable' Ways We Can Cool the Planet](#)
10 March 2024, Newser
- [The Inter-American Court evaluates Escazú Agreement's protection for environmental defenders](#)
7 March 2024, International Service for Human Rights
- [A Better Approach for Preparing the U.S. Military for Climate Shocks](#)
7 March 2024, Real Clear Defense
- [Brussels warns of water conflict danger in EU](#)
6 March 2024, Politico
- [The Political Calculus Behind Xi Jinping's Emphasis on Climate Leadership](#)
6 March 2024, The Diplomat
- [More climate records fall in world's warmest February](#)
6 March 2024, BBC

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Annual Report:** [Annual Threat Assessment of the U.S. Intelligence Community](#)
Office of the Director of National Intelligence, 5 February 2024
Note Environmental Change & Extreme Weather Section on p.32
- **Report:** [The Lifecycle Emissions of Electric Vehicles](#)
Bloomberg NEF, 11 March 2024
- **Working Paper:** [The Socioeconomic Impacts of Climate Change in Developing Countries in the Next Decades](#)
Center for Global Development, February 2024
- **Paper:** [Understanding the Energy Drivers of Turkey's Foreign Policy](#)
Carnegie Europe, February 2024
- **Report:** [Reducing Europe's Reliance on Russian Energy Imports: Key Strategies under Five Scenarios](#)
Atlantic Council, March 2024
- **Prediction Model:** [Regional Arctic System Model Sea Ice Prediction](#)
Naval Postgraduate School, 1 March 2024
- **Report:** [Beyond the Eye of the Storm: Mapping Out a Comprehensive Research Agenda for the National Security Implications of Climate Change](#)
RAND, 7 March 2024
- **Article:** [Groundwater recharge is sensitive to changing long-term aridity](#)
Nature Climate Change, 12 March 2024
- **Article:** [Climate threats to coastal infrastructure and sustainable development outcomes](#)
Nature Climate Change, 1 March 2024
- **Policy Brief:** [Energising eastern Europe: How the EU can enhance energy sovereignty through cooperation with Ukraine and Moldova](#)
European Council on Foreign Relations, 11 March 2024
- **Monthly Report:** [Assessing the U.S. Climate in February 2024](#)
National Centers for Environmental Information, 8 March 2024
- **Monthly Report:** [February 2024 Global Climate Report](#)
National Centers for Environmental Information, 14 March 2024
- **Tool:** [Climate at a Glance Global Time Series](#)
National Centers for Environmental Information, March 2024
- **Article:** [Energy as a Strategic Space for China: Words and Actions Point to a Competitive Future](#)
The National Bureau of Asian Research, 28 February 2024
- **Article:** [Disappearing cities on US Coasts](#)
Nature, 6 March 2024
- **Report:** [Food as the "Silent Weapon": Russia's Gains and Ukraine's Losses](#)

Center for Strategic and International Studies, February 2024

- **Article:** [Invest in Networks for Exponential Climate Wins](#)
Stanford Social Innovation Review, 27 February 2024
- **Article:** [Plastic pollution amplified by a warming climate](#)
Nature Communications, 6 March 2024
- **Article:** [The role of human rights law in climate obligations](#)
Open Global Rights, 8 March 2024

EVENTS

- [Workshop on Climate Change and Human Migration: An Earth Systems Science Perspective](#)
18-19 March 2024 / Virtual
National Academies of Sciences, Engineering and Medicine
- **[NEW]** [CMU Energy Week 2024](#)
19-21 March 2024 / Pittsburgh, PA
Carnegie Mellon University
- [Comprehensive Initiatives in Climate Management Planning](#)
21 March 2024 / Noon ET / 9:00 am PT / Virtual
SERDP & ESTCP
- [33rd Annual International Conference on Soil, Water, Energy and Air](#)
18-21 March 2024 / San Diego, CA
AEHS Foundation
- **[NEW]** [Innovative Interdisciplinary Programs to deal with Natural Disasters](#)
20 March 2024 / 2 pm ET / 11 am PT / Virtual
The Chronicle of Higher Education
- **[NEW]** [Comprehensive Initiatives in Climate Management Planning](#)
21 March 2024 / 12 pm ET / 9 am PT / Virtual
SERDP & ESTCP
- **[NEW]** [2024 Sustainable Energy in America Factbook](#)
21 March 2024 / 2 – 3:30 pm ET / 11 am – 12:30 pm PT / Washington DC & Virtual
Environmental and Energy Study Institute
- **[NEW]** [Climate Conversations: Women in Climate Science](#)
22 March 2024 / 12:30 – 1:45 ET / 9:30 – 10:45 PT / Virtual
National Academies of Sciences, Engineering, and Medicine
- **[NPS]** [Combined Naval Address on Climate, Energy and Environment Featuring John Englander](#)
26 March 2024 / 12:30 ET / 09:30 PT / Virtual
Co-hosted by NPS, Naval War College, U.S. Naval Academy, U.S. Naval Community College and Marine Corps University

- [AI and Physical Science for Climate Innovation Symposium](#)
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26-29 March 2024 / Tallahassee, Florida
National Oceanic and Atmospheric Administration
- [\[NEW\] NIA Virtual Workshop on Impacts of Extreme Weather Conditions and Disasters on Older Adult Health](#)
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Battelle and National Lab Technical Partners
- [\[NPS\] Seapower Conversation: Security Challenges from Rising Seas](#)
2 May 2024 / 1:00 pm ET / 10:00 am PT / Monterey, CA and Virtual
NPS Climate & Security Network and Naval Warfare Studies Institute
- [2024 Stockholm Forum on Peace and Development](#)
6 May 2024 / Stockholm & Virtual
Stockholm International Peace Research Institute
- [\[NEW\] Brines as a Resource for Critical Minerals](#)
7 May 2024 / 11 am – 4 pm ET / 8 am – 1 pm PT / Washington, DC & Virtual
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- [ICLR 2024 Workshop: Tackling Climate Change with Machine Learning](#)
11 May 2024 / Vienna, Austria
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21-23 May 2024 / Charlotte, NC
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- [Climate Crossroads Summit 2024](#)
16-17 July 2024 / Washington, DC & Virtual
National Academies of Sciences, Engineering, and Medicine
- [17th International Conference on Climate Change: Impacts & Responses](#)
23-25 January 2025 / Miami, FL
Florida International University and Partners

OPPORTUNITIES

- [Call for Proposals: National Defense Center for Energy and Environment](#)
NDECC / **Quad Charts due 1 April 2024.**
- [Call for Papers: Special Issue: Climate Change: How the Sound of the Planet Reflects the Health of the Planet](#)
Journal of the Acoustical Society of America / **Submissions due 30 June 2024.**
- [Funding Opportunity: Environmental and Climate Justice Climate Change Program](#)
Environmental Protection Agency / **Applications accepted on a rolling basis through 21 November 2024.**

Dear CSN Members,

Below is the climate security update for this week and a special section on water security in honor of World Water Day.

A reminder of some upcoming CSN events

- **[\[NPS\] Combined Naval Address on Climate, Energy and Environment Featuring John Englander](#)**
26 March 2024 / 12:30 ET / 09:30 PT / Virtual
Co-hosted by NPS, Naval War College, U.S. Naval Academy, U.S. Naval Community College and Marine Corps University
- **[\[NEW\] \[NPS\] Global Climate and Energy Policy Trends – 2024 and Beyond](#)**
16 April 2024 / Noon – 1 pm PT / Monterey, CA
NPS Climate & Security Network & NPS Energy Academic Group
- **[\[NEW\] \[NPS\] Climate & Security Network 3rd Birthday Bash](#)**
23 April 2024 / 4:30 pm PT / Trident Room, NPS Campus, Monterey, CA
Hosted by CSN / In-person only

Hope everyone has a nice weekend,

Kristen

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NPS Climate & Security Network Weekly Update: 22 March 2024

Special Section: Water Security

- UNESCO: [UN World Water Development Report 2024: water for prosperity and peace](#)
- NBC News: [Climate change is throwing the water cycle into chaos across the U.S.](#)
- National Geographic: [How Climate Change Impacts Water Access](#)
- Earth.org: [Global Water Crisis: Why the World Urgently Needs Water-Wise Solutions](#)
- WaterWorld: [Navigating the digital landscape toward a water secure future](#)
- Global Water Security Center: [Analysis Products on Water Events & Locations](#)
- New Security Beat: [The Global Challenge of Water's Weaponization in War: Lessons from Yemen, Ukraine and Libya](#)
- Context: [‘We all need water’: Panama’s canal, and people, thirst for more](#)
- Observer Research Foundation: [Africa: Climate change, water stress, droughts and conflict](#)
- USAID: [Framework for Financing Water Resources Management](#)

NEWS

- [Scientists Are Shedding Light on ‘Dark Vessels’ at Sea](#)
22 March 2024, Inside Climate News

- [Global Briefing: WMO issues 'red alert' over wave of climate records](#)
22 March 2024, BusinessGreen
- [World Meteorological Day Brings Attention To Climate Action Needs](#)
21 March 2024, Forbes
- [Humans are significantly changing ocean surface temperatures and seasons](#)
20 March 2024, Earth.com
- [Cost of Climate Change: Why Saving Our Planet Now Is Cheaper](#)
20 March 2024, Forbes
- [How climate change is contributing to global unrest](#)
19 March 2024, The Week
- [Current Climate: Big Risks As Oceans Overheat](#)
18 March 2024, Forbes
- [Great Power Competition Comes to Antarctica](#)
18 March 2024, Foreign Affairs
- [Time is now to invest in women, peace and climate security in Asia and the Pacific](#)
18 March 2024, UN Women
- [CATL, the little-known Chinese battery maker that has the US worried](#)
18 March 2024, The Guardian
- [NVIDIA Announces Earth Climate Digital Twin](#)
18 March 2024, NVIDIA Release
- [NATO Chief Says Climate Change Undermines Global Security](#)
17 March 2024, Barron's
- [Batteries are being added to an Arizona solar farm and across the U.S. to maximize green power](#)
17 March 2024, Fast Company
- [Turning Tides: Climate Change Watershed Prompts Reevaluation of Nuclear Energy and Deep-Sea Mining](#)
15 March 2024, Modern Diplomacy
- [Sustainability Accelerator announces first greenhouse gas removal grants](#)
14 March 2024, Stanford Doerr School of Sustainability
- [A New Surge in Power Use Is Threatening U.S. Climate Goals](#)
14 March 2024, The New York Times
- [Reducing Europe's reliance on Russian energy imports: Key strategies under five scenarios](#)
14 March 2024, Atlantic Council
- [Why methane emissions are still a mystery](#)
14 March 2024, MIT Technology Review

- [Win-Wind: How a Bipartisan Ships Act Could Meet China and Climate Challenges](#)
12 March 2024, War on the Rocks
- [Is China a climate saint or villain?](#)
12 March 2024, The Economist
- [How Our Electric Grids are Blocking a Climate Revolution](#)
12 March 2024, Time

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Podcast:** [Climate Migration: Should I Stay or Should I Go?](#)
Climate One, 22 March 2024
- **New Regulation:** [Emissions from Vehicles and Engines](#)
U.S. Environmental Protection Agency, March 2024
- **Article:** [Batteries or hydrogen or both for grid electricity storage upon full electrification of 145 countries with wind-water-solar?](#)
iScience, 16 February 2024
- **Article:** [Aligning renewable energy expansion with climate-driven range shifts](#)
Nature Climate Change, 8 March 2024
- **Blog:** [Developing a Legal and Regulatory Framework for Low Carbon Transition of Indian economy on the path to Net Zero](#)
Climate Policy Initiative, 19 March 2024
- **Working Paper:** [The Paradox of Sustainability: A Critique of the Modern World's Approach to Sustainable Development](#)
Stanford University Walter H. Shorenstein Asia-Pacific Research Centre, March 2024
- **Article:** [Global warming and heat extremes to enhance inflationary pressures](#)
Nature Communications, Earth & Environment, 21 March 2024
- **Article:** [Preparing for domestic climate dislocations: What can we learn from the Great Migration?](#)
Brookings, 19 March 2024
- **Report:** [Climate Change, Insecurity, and Migration: A Closer Look at India](#)
Nexus²⁵, March 2024
- **Article:** [Enhanced CO2 uptake of the coastal ocean is dominated by biological carbon fixation](#)
Nature Climate Change, 22 March 2024
- **Podcast:** [Reshaping Multilateralism \(Podcast Trailer\)](#)
Nexus²⁵, March 2024

EVENTS

- [\[NPS\] Combined Naval Address on Climate, Energy and Environment Featuring John Englander](#)

26 March 2024 / 12:30 ET / 09:30 PT / Virtual
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- [AI and Physical Science for Climate Innovation Symposium](#)
26-27 March 2024 / Berkeley, CA
Climate Change AI
- [Energy Exchange](#)
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26-29 March 2024 / Tallahassee, Florida
National Oceanic and Atmospheric Administration
- [NIA Virtual Workshop on Impacts of Extreme Weather Conditions and Disasters on Older Adult Health](#)
26-27 March 2024 / Virtual
National Institute on Aging
- **[NEW]** [Film Screening: Ghost Fleet](#)
29 March 2024 / 6 – 8 pm PT / Monterey, CA & Virtual
Center for the Blue Economy
- [Introduction to Strategic Science Communication](#)
12 April 2024 / 1 pm ET / 10 am PT / Virtual
Compass
- **[NEW]** [17th Annual STAR-TIDES Capabilities Demonstration: Adapting to Climate Change](#)
15-16 April 2024 / George Mason University's Mason Square
17-18 April 2024 / Pentagon Center Courtyard
George Mason University Center for Resilient and Sustainable Communities
- **[NEW]** **[NPS]** [Global Climate and Energy Policy Trends – 2024 and Beyond](#)
16 April 2024 / Noon – 1 pm PT / Monterey, CA
Climate & Security Network & NPS Energy Academic Group
- [Innovations in Climate Resilience Conference 2024](#)
22-24 April 2024 / Washington DC
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6 May 2024 / Stockholm & Virtual
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- [6th National Adaptation Forum](#)
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EcoAdapt and American Society of Adaptation Professionals
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- [17th International Conference on Climate Change: Impacts & Responses](#)
23-25 January 2025 / Miami, FL
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OPPORTUNITIES

- [Call for Proposals: National Defense Center for Energy and Environment](#)
NDECC / **Quad Charts due 1 April 2024.**
- [\[NEW\] Climate Change AI Summer School 2024](#)
Climate Change AI / **Applications due 14 April 2024.**
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Journal of the Acoustical Society of America / **Submissions due 30 June 2024.**
- [Funding Opportunity: Environmental and Climate Justice Climate Change Program](#)
Environmental Protection Agency / **Applications accepted on a rolling basis through 21 November 2024.**

Dear CSN Members,

Below is the climate security update for this week and, in honor of this week's Combined Naval Address, a special section on sea level rise.

A special thanks to Mr. John Englander for his presentation and sharing his insights with students and faculty of the Naval education institutions. For a video of the event, visit [the CSN events page](#).

Hope everyone has a nice weekend,

Kristen

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NPS Climate & Security Network Weekly Update: 29 March 2024

Special Section: Sea Level Rise

- [U.S. Interagency Sea Level Rise Scenario Tool](#)
- NASA: [NASA Analysis Sees Spike in 2023 Global Sea Level Due to El Niño](#)
- The Economist: [Antarctica, Earth's largest refrigerator, is defrosting](#)
- Inside Climate News: [Sinking Coastal Lands Will Exacerbate the Flooding from Sea Level Rise in 24 US Cities, New Research Shows](#)
- Earth.com: [Global sea levels spiked dramatically in 2023](#)
- Phys.org: [What can Charleston and other coastal cities teach South Florida about sea-level rise?](#)
- The Economist: [Europe's new-look winter: floods, high sea levels and melting glaciers](#)

NEWS

- [Climate change is messing with how we measure time: study](#)
29 March 2024, Forbes
- [European Court Announces April 6 For Release of Climate Change Opinion](#)
28 March 2024, Forbes
- [Accelerating Climate Change to Force Mass U.S. Migration](#)
27 March 2024, KQED
- [The 'Year of Climate' in International Courts](#)
27 March 2024, Just Security
- [Landmark Australia, Tuvalu Climate And Security Pact To Go Ahead](#)
26 March 2024, Barron's
- [Australia's energy transition collides with Japan's energy security](#)
26 March 2024, East Asia Forum
- [Decentralized Renewable Energy Helps Ukraine Weather Russian Attacks](#)

25 March 2024, OilPrice.com

- [Assessing Local Aspects of Climate Security and Environmental Peace](#)
25 March 2024, New Security Beat
- [Security Threats From Climate Change Spur NATO Investment in Startups](#)
25 March 2024, Bloomberg
- [China's 2024 energy strategy aims to boost green transition, ensure energy security](#)
23 March 2024, Global Times
- [Understanding and preventing conflict over water](#)
22 March 2024, Stanford Woods Institute for the Environment
- [Blue is the new green: The perspective of a small island nation](#)
22 March 2024, Brookings
- [Food prices will climb everywhere as temperatures rise due to climate change – new research](#)
22 March 2024, The Conversation
- [Security and climate change drive a return to nuclear energy as over 30 nations sign summit pledge](#)
21 March 2024, AP News

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Issue Brief:** [Assessing the Impact of Climate Change on Public Health and Nutrition Security](#)
Observer Research Foundation, March 2024
- **Brief:** [China's Food Security: Key Challenges and Emerging Policy Responses](#)
Center for Strategic and International Studies and Brookings, March 2024
- **Journal Issue:** [Environmental Security](#)
The Journal of Indo-Pacific Affairs, March-April 2024
- **Brief:** [Why Did Food Insecurity Increase from 2019 to 2022 in the United States?](#)
Center on Opportunity and Social Mobility, March 2024
- **Report:** [The American Climate Corps](#)
Congressional Research Service, 19 March 2024
- **Policy Report:** [Watts Next: Security Europe's Energy and Competitiveness](#)
EconPol Europe, March 2024
- **Podcast:** [Rising Temperatures, Rising Prices: How Climate Drives Inflation](#)
Climate One, 29 March 2024
- **Event Summary:** [Water @ Wilson: A New Tool for Water Security in Central and South Asia](#)
New Security Beat, 28 March 2024
- **Article:** [Global corporate tax competition challenges climate change mitigation](#)

Nature Climate Change, 28 March 2024

- **Policy Report:** [Climate Policy Priorities for the Next European Commission](#)
EconPol Europe, March 2024
- **Report:** [Decarbonizing Water: Applying the Voluntary Carbon Market toward Global Water Security](#)
University of Colorado, March 2024
- **Article:** [Iran Faces Dwindling Water and Escalating Climate Pressures, Aggravating Displacement Threats](#)
Migration Policy Institute, 6 March 2024
- **Report:** [Critical Infrastructure Resilience in Ukraine: Energy, Transportation, and Communication](#)
Center for Security Studies, March 2024
- **Report:** [Arctic Climate Science: A Way Forward for Cooperation through the Arctic Council and Beyond](#)
Harvard Belfer Center for Science and International Affairs, March 2024
- **Report:** [China's Cooperation with Southeast Asia to Support an Ambitious Clean Energy Transition by 2030](#)
Asia Society Policy Institute, March 2024
- **Report:** [Exposing Elite Protection and Corruption in Environmental Crime Across Africa](#)
ECO-SOLVE, Global Initiative Against Transnational Organized Crime, March 2024
- **Report:** [Invisible frontlines: Safeguarding the European Energy Infrastructure](#)
Danish Institute for International Studies, March 2024
- **Report:** [The EU's path out of the energy crisis: Out with the Old, In with the New?](#)
Danish Institute for International Studies, March 2024
- **Policy Memo:** [The Global Impact of China's Water and Related Environmental Problems](#)
Hudson Institute, March 2024
- **Policy Memo:** [Effective US Energy Policy Could Strengthen International Security](#)
Hudson Institute, March 2024
- **Digest Special Issue:** [Russian Environmentalism During the War](#)
Russian Analytical Digest, March 2024

EVENTS

- **[NEW]** [Earth Month Webinar: Connecting the Dots between Wasted Food, Hunger and the Climate Emergency](#)
3 April 2024 / 12 pm ET / 9 am PT / Virtual
Spoonfuls
- **[NEW]** [Climate Forward 2024: Climate at the Crossroads](#)

- 4 April 2024 / 12 – 5 pm PT / Los Angeles, CA
University of Southern California
- **[\[NEW\] Climate Security and its Challenges](#)**
8-9 April 2024 / Université du Québec à Montréal & Virtual
Climate Security Association of Canada
 - **[Introduction to Strategic Science Communication](#)**
12 April 2024 / 1 pm ET / 10 am PT / Virtual
Compass
 - **[17th Annual STAR-TIDES Capabilities Demonstration: Adapting to Climate Change](#)**
15-16 April 2024 / George Mason University's Mason Square
17-18 April 2024 / Pentagon Center Courtyard
George Mason University Center for Resilient and Sustainable Communities
 - **[\[NPS\] Global Climate and Energy Policy Trends – 2024 and Beyond](#)**
16 April 2024 / Noon – 1 pm PT / Monterey, CA
Climate & Security Network & NPS Energy Academic Group
 - **[\[NEW\] The role of development finance institutions in addressing food security in fragile economies](#)**
19 April 2024 / 9 – 10 ET / 6 – 7 PT / Virtual
Overseas Development Institute
 - **[Innovations in Climate Resilience Conference 2024](#)**
22-24 April 2024 / Washington DC
Battelle and National Lab Technical Partners
 - **[\[NEW\] True False, Hot Cold \(Film Screening\)](#)**
24 April 2024 / 7 pm PT / Los Angeles, CA
University of Southern California
 - **[\[NPS\] Seapower Conversation: Security Challenges from Rising Seas](#)**
2 May 2024 / 1:00 pm ET / 10:00 am PT / Monterey, CA and Virtual
NPS Climate & Security Network and Naval Warfare Studies Institute
 - **[2024 Stockholm Forum on Peace and Development](#)**
6 May 2024 / Stockholm & Virtual
Stockholm International Peace Research Institute
 - **[Brines as a Resource for Critical Minerals](#)**
7 May 2024 / 11 am – 4 pm ET / 8 am – 1 pm PT / Washington, DC & Virtual
National Academies of Sciences, Engineering, and Medicine
 - **[ICLR 2024 Workshop: Tackling Climate Change with Machine Learning](#)**
11 May 2024 / Vienna, Austria
Climate Change AI
 - **[6th National Adaptation Forum](#)**
14-16 May 2024 / Saint Paul, MN

EcoAdapt and American Society of Adaptation Professionals

- [Climate Leadership Conference](#)
21-23 May 2024 / Cleveland, OH
The Climate Registry and partners
- [Getting to Zero Forum](#)
21-23 May 2024 / Charlotte, NC
New Buildings Institute
- [Climate Crossroads Summit 2024](#)
16-17 July 2024 / Washington, DC & Virtual
National Academies of Sciences, Engineering, and Medicine
- [17th International Conference on Climate Change: Impacts & Responses](#)
23-25 January 2025 / Miami, FL
Florida International University and Partners

OPPORTUNITIES

- [Climate Change AI Summer School 2024](#)
Climate Change AI / **Applications due 14 April 2024.**
- [\[NEW\] Call for Abstracts: Session on Climate Change and Security in a Spatially Interconnected and Multi Domain Context](#)
European Meteorological Society / **Abstracts due 18 April 2024.**
- [Call for Papers: Special Issue: Climate Change: How the Sound of the Planet Reflects the Health of the Planet](#)
Journal of the Acoustical Society of America / **Submissions due 30 June 2024.**
- [Funding Opportunity: Environmental and Climate Justice Climate Change Program](#)
Environmental Protection Agency / **Applications accepted on a rolling basis through 21 November 2024.**