

Dear CSN Members,

Below is the climate security update for this week, including the special section on Ukraine.

**A note about the Ukraine Special Section:** I started the Ukraine Special Section in February 2022 when Russian forces invaded the country. At that time, I hoped it would be a temporary addition to the weekly update. It has become a bit of a permanent feature because of the length of the war and the impact it is having on the environment and energy, not to mention the impact of climate change on aspects of the country and region.

In recognition of the other areas of the world experiencing conflict and crisis with similar links to climate, energy and the environment, I plan to feature different focal areas in the special section. I will still include a special section on Ukraine some weeks but you will see other regions of the world and other topical areas featured as well.

Hope everyone has a nice weekend.

Kristen

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## NPS Climate & Security Network Weekly Update: 7 July 2023

### Special Section: Ukraine

- Earth.org: [The Environmental Impact of the Kakhovka Dam Explosion in Ukraine](#)
- Time: [Ukraine's Zelensky Meets With Greta Thunberg to Discuss the War's Effect on Ecology](#)
- Axios: [3 keys to peace as the war in Ukraine hits 500 days](#)
- CNN: [Russia is accused of 'ecocide' in Ukraine. But what does that mean?](#)
- Folha De S.Paulo (Brazil): [Brazil unlocks climate impasse after negotiating with Ukraine and Russia](#)

### NEWS

- [World shipping body votes on 'historic' emissions cuts to curb warming](#)  
7 July 2023, The Washington Post
- [Climate Change: Shipping agrees net-zero goal but critics chide deal](#)  
7 July 2023, BBC News
- [Climate change is making our water/energy conundrum much more complicated](#)  
7 July 2023, The Hill
- [E.U.'s 'green' hydrogen rules may shape American industry](#)  
7 July 2023, E&E News
- [Earth saw hottest day yet Thursday, the fourth straight global record](#)  
7 July 2023, Axios

- [\*\*John Kerry to Visit China to Restart Climate Negotiations\*\*](#)  
6 July 2023, The New York Times
- [\*\*Declassified docs: U.S. resisted calls for climate aid since Nixon\*\*](#)  
6 July 2023, E&E News
- [\*\*The UN Security Council Debates its Role in Tackling Climate Security\*\*](#)  
6 July 2023, New Security Beat
- [\*\*The Security Implications of Human-Driven Biotic Eruptions\*\*](#)  
6 July 2023, The Center for Climate & Security
- [\*\*‘Never just the heat’: Signals of climate distress on the rise\*\*](#)  
6 July 2023, Al Jazeera
- [\*\*The overlooked climate consequences of AI\*\*](#)  
6 July 2023, Grist
- [\*\*June 2023 Update: Military Responses to Climate Hazards \(MiRCH\) Tracker\*\*](#)  
5 July 2023, Center for Climate & Security
- [\*\*As Canada reels from wildfire, First Nations hope for larger role\*\*](#)  
5 July 2023, Al Jazeera
- [\*\*How climate change inflames extremist insurgency in Africa\*\*](#)  
July 2023, The Washington Post
- [\*\*The Geopolitics of Climate Change: China and the United States at the UN Security Council\*\*](#)  
4 July 2023, Homeland Security Today
- [\*\*Protected Areas Safeguard Climate\*\*](#)  
4 July 2023, NASA Earth Observatory
- [\*\*June Extremes Suggest Parts of the Climate Systems Are Reaching Tipping Points\*\*](#)  
4 July 2023, Inside Climate News
- [\*\*What is the EU’s Joint Communication on Climate-Security Nexus all about?\*\*](#)  
3 July 2023, Euronews
- [\*\*China’s Gas Buying Spree Is About More Than Just Energy Security\*\*](#)  
3 July 2023, Bloomberg
- [\*\*Equity suffers as countries pivot to energy security – plus other top energy stories this week\*\*](#)  
3 July 2023, World Economic Forum
- [\*\*Australia sides with China, Russia in bid to sink Pacific nations’ climate plan\*\*](#)  
3 July 2023, The Sydney Morning Herald
- [\*\*The surprising upside of climate migration\*\*](#)  
1 July 2023, The Economist

- [Inside the First Youth-Led Climate Lawsuit to Go to Trial](#)  
1 July 2023, Wired
- [Maintaining a Functional Meteorological Satellite Program for National Defense](#)  
30 June 2023, American Security Project
- [Antarctic Sea Ice Reaches a “Record-Smashing Low”](#)  
30 June 2023, Discover Magazine
- [Climate Security is National Security](#)  
30 June 2023, Defense One
- [EU’s New Outlook on the Climate and Security Nexus: What to Know](#)  
30 June 2023, Impakter
- [A Tale of Two Dams: Mega Projects and Water Cooperation in Central Asia](#)  
30 June 2023, Planetary Security Initiative
- [Is Soil How We Save The Climate?](#)  
30 June 2023, Forbes
- [International Court Clarifies Process For Input on Climate Change Opinion](#)  
30 June 2023, Forbes
- [New EU strategy on climate and security](#)  
29 June 2023, Planetary Security Initiative
- [The Geopolitics of Climate Change: China and the United States at the UN Security Council](#)  
29 June 2023, Planetary Security Initiative
- [The choice between a poorer today and a hotter tomorrow](#)  
27 June 2023, The Economist
- [Putting salt in tap water and drilling wells in parks: one country’s desperate quest to avoid running dry](#)  
26 June 2023, CNN
- [MIT climate and sustainability interns consider aviation emissions and climate change](#)  
26 June 2023, MIT News
- [Panel addresses technologies needed for a net-zero future](#)  
23 June 2023, MIT News
- [Buttigieg says US ‘green corridors’ initiative is key to cutting shipping industry emissions](#)  
19 June 2023, The San Diego Union-Tribune

## **REPORTS, PUBLICATIONS & OTHER RESOURCES**

- **Report:** [Congressionally Mandated Research Plan and an Initial Research Governance Framework Related to Solar Radiation Modification](#)  
White House, June 2023

- **Article:** [Global benefits of the international diffusion of carbon pricing policies](#)  
Nature Climate Change, 3 July 2023
- **Podcast:** [Peter Gleick on Water Poverty, Conflict and a Hope for the Future](#)  
Climate One, 30 June 2023
- **Podcast:** [Climate Change and Disability Rights](#)  
Just Security, 5 July 2023
- **Video:** [Climate Conversations: Artificial Intelligence](#)  
National Academies of Sciences, Engineering and Medicine, June 2023
- **Issue Brief:** [Policy Sprint: Building a Biofuels Industry in Africa](#)  
Atlantic Council, June 2023
- **Speech:** [Remarks by Executive Vice President Timmermans and High Representative/Vice-President Borrell on the new outlook on threats of climate change and environmental degradation on peace, security and defence](#)  
European Commission, 28 June 2023
- **Article:** [Empowering citizen-led adaptation to systemic climate change risks](#)  
Nature Climate Change, 22 June 2023
- **Video:** [Post G7 Summit: Advancing industrial decarbonization & climate-aligned trade](#)  
Atlantic Council, June 2023
- **Report:** [The Amazon Domino Effect: How Deforestation Can Trigger Widespread Degradation](#)  
Climate Policy Initiative, July 2023

## EVENTS

- **[NEW]** [Report launch: The imperative of the Versatile Test Reactor for nuclear innovation](#)  
11 July 2023 / 6:30 pm ET / 3:30 pm PT / Virtual  
Atlantic Council
- [DOD Energy & Power Summit](#)  
12-13 July 2023 / National Harbor, MD  
Defense Strategies Institute
- [Hydrogen: A rising pillar of our clean energy future](#)  
13 July 2023 / 1:00 pm ET / 10:00 am PT / Virtual  
C3E
- **[NEW]** [Renewable Energy & Energy Efficiency Expo](#)  
18 July 2023 / 9:30 am – 5:00 pm ET / 6:30 am – 3:00 pm PT / Washington, DC & Virtual  
Environmental and Energy Study Institute
- **[NEW]** [Funding Climate Action Planning](#)  
18 July 2023 / 2 pm ET / 11 am PT / Virtual  
KPMG

- **[NEW] 5<sup>th</sup> Annual ESG and Climate Risk Week**  
12-14 September 2023 / London, UK and Virtual  
The Economist
- **Greenhouse Gas Emissions from Wildland Fires: A Workshop**  
13 – 15 September 2023 / Washington, D.C. and Virtual  
National Academies of Sciences, Engineering and Medicine
- **Berlin Climate and Security Conference**  
6 October 2023 / Berlin, Germany  
adelphi, Germany Federal Foreign Office, and Climate Diplomacy
- **Atmospheric Methane Removal: Needs, Challenges and Opportunities**  
17-18 October 2023 / Washington DC and Virtual  
National Academies of Sciences, Engineering, and Medicine
- **Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges**  
13-15 November 2023 / Washington DC  
National Academies of Sciences, Engineering, and Medicine and the Transportation Research Board
- **DOD Energy & Environment Innovation Symposium**  
28 November – 1 December 2023 / Arlington, VA  
Strategic Environmental Research and Development Program (SERDP) and Environmental Security Technology Certification Program (ESTCP)
- **AGU 2023 / American Geophysical Union Fall Meeting**  
11 – 15 December 2023 / San Francisco, CA & Virtual  
American Geophysical Union
- **Twentieth International Conference on Environmental, Cultural, Economic & Social Sustainability**  
24 – 26 January 2024 / Aveiro, Portugal & Virtual  
University of Aveiro (Portugal)
- **[NEW] World Ocean Summit & Expo**  
11 – 13 March 2024 / Lisbon, Portugal  
World Ocean Initiative, The Economist Group

## OPPORTUNITIES

- **[NEW] Director – Board on Atmospheric Sciences and Climate and Polar Research Board**  
National Academies of Sciences, Engineering and Medicine
- **Call for Applications: Climate Security Fellows 2023-2024**  
Center for Climate and Security / **Applications due 15 July 2023.**
- **Army War College Research Fellow: Environmental Impacts to U.S. strategic objectives in the Indo-Pacific**  
**Applications due 21 July 2023.**

- **[\[NEW\] Comments Sought on Ocean Justice Strategy](#)**  
Council on Environmental Quality / **Comments due 24 July 2023.**
- **[\[NEW\] Call for Papers: Artificial Intelligence and Climate: The Role of AI in a Climate-Smart Sustainable Future](#)**  
Association for the Advancement of AI / **Submissions due 28 July 2023.**
- **[Veterans Advanced Energy Fellowship](#)**  
**Applications due 31 July 2023.**
- **[Call for Proposals: Operational Energy Management System](#)**  
**Commanding Energy proposals due 1 August 2023.**  
**Operational Energy Prototyping Fund proposals due 1 August 2023.**  
**Aviation and Space Efficiencies proposals due 1 November 2023.**  
**Ground Vehicle and Hybridization proposals due 2 February 2024.**
- **[Competitive Funding Opportunity: NOAA Climate Resilience Regional Challenge](#)**  
**Letters of intent due 21 August 2023.**
- **[Call for Papers: Pathways to Sustainability Innovation: Perspectives from Civil Society, Government and Business](#)**  
**Proposals due 14 October 2023.**
- **[Call for Input: Atmospheric Methane Removal: Technical Input](#)**  
**Submit input by 31 October 2023.**

Dear CSN Members,

Below is the climate security update for this week, including a special section on the record-setting temperatures around the globe in early July.

Also, I'm pleased to share an upcoming CSN event:

- **[CSN / NEW] [Climate Change Law: The Impact of Recent Cases on Climate Security](#)**  
2 August 2023 / 1200 – 1300 PT / Virtual via Zoom  
[Register here.](#)

The event will be geared for a non-legal audience and will feature EAG Intern Rebecca Grippo and me.

Hope everyone has a nice weekend.

Kristen

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## NPS Climate & Security Network Weekly Update: 14 July 2023

### Special Section: Record Heat Across Planet

- Politico: [Scientists are freaking out about surging temperatures. Why aren't politicians?](#)
- Grist: [How climate change fuels heat waves](#)
- Financial Times: [Climate graphic of the week: Global heat records alarm scientists](#)
- Science News: [Last week was the hottest ever recorded – here's why we keep smashing records](#)
- The Weather Channel: [Earth's Unofficial Record Heat Streak](#) (video)
- Grist: ['We are in uncharted territory': Earth logs hottest week on record](#)
- Forbes: [131 Degrees – Death Valley Projected To Set Earth's Modern Temperature Record](#)

### NEWS

- [COP28: Admit your failures, climate summit host Al Jaber tells nations](#)  
13 July 2023, BBC News
- [Forecasters see overwhelming chance El Niño will last through early 2024](#)  
13 July 2023, The Hill
- [Samoa and the Alliance of Small Islands States show climate security is also about loss and damage](#)  
13 July 2023, The Interpreter
- [International negotiators just missed a deadline to regulate deep sea mining. Now what?](#)  
13 July 2023, Grist
- [Grid rewiring: An answer for Biden's climate goals?](#)

13 July 2023, E&E News

- [\*\*Africa's energy poverty: Dwindling forests, high power costs worsening energy security in Sierra Leone\*\*](#)  
12 July 2023, Down to Earth
- [\*\*The Waters Could Claim Nuclear Weapons\*\*](#)  
12 July 2023, Foreign Policy
- [\*\*World Population Day: Understanding Current Trends to Enhance Rights and Climate Resilience\*\*](#)  
11 July 2023, New Security Beat
- [\*\*Department of the Air Force rolls out Climate Campaign Plan\*\*](#)  
11 July 2023, Air Force Release
- [\*\*Climate change threatens to cause 'synchronized harvest failures' across the globe, with implications for Australia's food security\*\*](#)  
11 July 2023, The Conversation
- [\*\*World's war on greenhouse gas emissions has a military blind spot\*\*](#)  
10 July 2023, Reuters
- [\*\*Ford F-150 Lightning Trucks arrive at Fort Carson as Army begins transition to electric vehicles\*\*](#)  
10 July 2023, The Gazette (CO)
- [\*\*Understanding El Niño's Broad and Pervasive Impacts is Essential To Mitigation\*\*](#)  
10 July 2023, New Security Beat
- [\*\*Upper Critical Temperature: How Hot Is Too "Too Hot" for Humans?\*\*](#)  
8 July 2023, SciTech Daily
- [\*\*Does Taiwan's massive reliance on energy imports put its security at risk?\*\*](#)  
7 July 2023, Atlantic Council
- [\*\*NATO Climate Security Developments Ahead of Vilnius\*\*](#)  
7 July 2023, American Security Project

## **REPORTS, PUBLICATIONS & OTHER RESOURCES**

- **Report:** [\*\*Climate Change and Vulnerability in the Middle East\*\*](#)  
Carnegie Endowment for International Peace, 6 July 2023
- **Policy Study:** [\*\*Societal Transformation through Long-term Decarbonisation and Climate-Resilience Planning\*\*](#)  
South African Institute of International Affairs, June 2023
- **Report:** [\*\*Geopolitics of the Energy Transition: Critical Minerals\*\*](#)  
International Renewable Energy Agency, July 2023
- **Policy Study:** [\*\*Climate-Induced Internal Displacement in MENA Countries\*\*](#)  
EuroMesco, June 2023

- **Report:** [Demography and climate change](#)  
European Commission, June 2023
- **Article:** [Drought impacts on the electricity systems, emissions, and air quality in the western United States](#)  
Proceedings of the National Academy of Sciences, 6 July 2023
- **Article:** [The silent impact of underground climate change on civil infrastructure](#)  
Nature, 11 July 2023
- **Research Paper:** [Preparing NATO for climate-related security challenges](#)  
International Security Programme, July 2023
- **Report:** [Assessing the Evidence: Migration, Environment and Climate Change in Ireland](#)  
UN International Organization for Migration, June 2023
- **Report:** [Key Challenges for California's Energy Future](#)  
California Council on Science & Technology, June 2023
- **Policy Brief:** [South Asia's Dual Dilemma: Climate Impacts Heighten Conflict Vulnerability](#)  
Institute for Security & Development Policy, 7 July 2023
- **Report:** [A Framework for a Win-Win Europe-Africa Energy and Climate Partnership](#)  
French Institute of International Relations Center for Energy & Climate, July 2023
- **Policy Brief:** [Scientific Evidence Supports UN Security Council Engagement with Climate Change](#)  
Peace Research Institute Oslo, July 2023
- **Report:** [Impact of the Afghan crisis on the environment, water and energy in Central Asian Regions bordering Afghanistan](#)  
Organization for Security Cooperation in Europe, July 2023
- **Report:** [Climate Change: State Department Did Not Track Greenhouse Gas Emissions From U.S. Delegation Travel to Meetings 26 and 27 of the United Nations Conference of the Parties](#)  
U.S. Government Accountability Office, 29 June 2023
- **Workshop Proceedings:** [Climate Security in South Asia](#)  
National Academies of Sciences, Engineering and Medicine, June 2023
- **Report:** [Rethinking European Energy Relations in Times of Crisis](#)  
Clingendael Netherlands Institute of International Relations, June 2023
- **Statement of Policy:** [National Defense Authorization Act for Fiscal Year 2024](#)  
Office of Management and Budget, 10 July 2023  
- *See last page for: Federal Contractor Disclosure of Greenhouse Gas Emissions*
- **Article:** [Accurate medium-range global weather forecasting with 3D neural networks](#)  
Nature, 5 July 2023

- **Policy Brief:** [How to encourage private sector climate initiatives in Kenya](#)  
Danish Institute for International Studies, 3 July 2023
- **Issue Brief:** [China's Pursuit of food and energy security in the Indian Ocean: Consequences for India's Development](#)  
Institute for Security and Development Policy, June 2023
- **Article:** [The Sustainable Development Goals and the United States](#)  
The Environmental Forum, July 2023
- **Report:** [Wielding the Energy Weapon: Difference Between Oil and Natural Gas](#)  
Baker Institute for Public Policy, June 2023
- **Video:** [Is the Energy Transition Moving Too Fast?](#)  
Aspen Ideas, June 2023

## EVENTS

- [Renewable Energy & Energy Efficiency Expo](#)  
18 July 2023 / 9:30 am – 5:00 pm ET / 6:30 am – 3:00 pm PT / Washington, DC & Virtual  
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- **[NEW] Global Water Challenge**  
20-21 September 2023 / Oak Ridge, TN  
Oak Ridge National Laboratory Climate Security Workshop Series  
For details and registration, [email Dr. Carter Christopher](#).
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- **[NEW] Call for Applicants: New Voices in Sciences, Engineering and Medicine**  
National Academies of Sciences, Engineering and Medicine / **Applications due 10 August 2023.**
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- **Call for Input: Atmospheric Methane Removal: Technical Input**  
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Dear CSN Members,

Below is the climate security update for this week, including a special section on the heat and flooding across the globe.

Also, I'm pleased to share news from the Center for Infrastructure Defense at NPS:

- [\*\*NPS Student, Faculty Research Helps Develop Climate-Ready Force through Infrastructure Resilience\*\*](#)  
19 July 2023, Naval Postgraduate School

You can also hear more about their work in the video at:

- [\*\*Kuleana: Disaster Prep\*\*](#)  
June 2023, KITV (HI)  
*NPS featured at around 13:30*

Hope everyone has a nice weekend.

Kristen

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**NPS Climate & Security Network Weekly Update: 21 July 2023**

**Special Section: Record Heat & Flooding Around the World**

- USA Today: [\*\*A letter from Earth: I'm giving you record temperatures and wild floods. TAKE A HINT!!\*\*](#)
- Grist: [\*\*Extreme heat is ramping up all over the world. So are solutions.\*\*](#)
- The New York Times: [\*\*Global Warming Is Bringing More Change Than Just Heat\*\*](#)
- Inside Climate News: [\*\*The World Is Reeling From Record Heat and Flooding. Scientists Say It's the Cost of Climate Inaction\*\*](#)
- Foreign Policy: [\*\*Climate Catastrophes Strike Around the Globe\*\*](#)
- MSNBC: [\*\*This intense heat isn't normal. And its deadly impacts won't be evenly spread.\*\*](#)

**NEWS**

- [\*\*Threatened by Climate Change, Virginia Military Bases Join Conservation Partnership\*\*](#)  
21 July 2023, Williamsburg Yorktown Daily
- [\*\*This little-known federal regulator could crack down on fraudulent carbon offsets\*\*](#)  
21 July 2023, Grist
- [\*\*As climate change transforms the Arctic, Homeland Security must adapt, official says\*\*](#)  
20 July 2023, Alaska Beacon
- [\*\*Baked Alaska: Climate change's extreme heat is warming the state, and creating national security problems\*\*](#)

20 July 2023, USA Today

- [\*\*Ice core from secret US Army base reveals dramatic historical Greenland ice-sheet melting\*\*](#)  
20 July 2023, Australian Broadcasting Corporation
- [\*\*How Will the U.S. Military Achieve Bold DER Goals?\*\*](#)  
20 July 2023, T&D World
- [\*\*Europe's latest energy security tactic: hoarding Chinese solar panels\*\*](#)  
20 July 2023, Quartz
- [\*\*Govt steps up efforts to ensure energy security, combat environmental challenges\*\*](#)  
20 July 2023, The Sun Daily
- [\*\*One year in, the Inflation Reduction Act is working – kind of\*\*](#)  
20 July 2023, Grist
- [\*\*Taiwan's Energy \(In\)security: Between Green Ambitions vs. Fossil Fuel Realities\*\*](#)  
20 July 2023, The Diplomat
- [\*\*California Is a Model for Climate Change Action When International Efforts Fall Short\*\*](#)  
20 July 2023, Carnegie Endowment for International Peace
- [\*\*Rivers As Weapons Of War – And Warnings Of Climate Change \(Part 1\)\*\*](#)  
[\*\*Rivers As Weapons Of War – And Warnings Of Climate Change \(Part 2\)\*\*](#)  
20 July 2023, Forbes
- [\*\*The world's moving closer to deep-sea mining. There are no rules.\*\*](#)  
19 July 2023, E&E News
- [\*\*Burning Threats: How Wildfires Undermine U.S. National Security\*\*](#)  
19 July 2023, Just Security
- [\*\*Kerry's visit to China ends with no major agreements\*\*](#)  
19 July 2023, E&E News
- [\*\*Canoo & U.S. Department of Defense Expand Partnership\*\*](#)  
18 July 2023, CleanTechnica
- [\*\*The World Bank Is Failing on Climate Change\*\*](#)  
18 July 2023, Foreign Affairs
- [\*\*EU and Japan to reinforce energy cooperation through a dedicated dialogue on global LNG architecture\*\*](#)  
18 July 2023, European Commission
- [\*\*Climate Envoy John Kerry Rejects Reparations. What Does This Mean for Climate Finance?\*\*](#)  
18 July 2023, Forbes
- [\*\*Climate change threatens UK food and security, says report\*\*](#)  
17 July 2023, The Times (UK)

- [US, China aim to revive climate cooperation as tensions simmer](#)  
17 July 2023, Reuters
- [Riyadh, Tokyo to cooperate on energy security, hydrogen and ammonia](#)  
16 July 2023, Reuters
- [A Climate Hawk's Issues With Electric Vehicles](#)  
14 July 2023, The New York Times
- [Climate Change Threatens U.S. Nuclear Strike Capability](#)  
14 July 2023, E&E News
- [China is obsessed with food security. Climate change will challenge it](#)  
13 July 2023, The Economist
- [Biden-Harris Administration Take Latest Step in National Phasedown of Climate-Damaging Hydrofluorocarbons](#)  
11 July 2023, U.S. Environmental Protection Agency

#### REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Guidance:** [FEMA Response and Recovery Climate Change Planning Guidance](#)  
U.S. Federal Emergency Management Agency, July 2023
- **Report:** [NATO Climate Change and Security Impact Assessment](#)  
NATO Secretary General, July 2023
- **Speech:** [Russia's war is impacting energy security](#)  
UK Statement to the OSCE, 18 July 2023
- **Article:** [The US needs a new system for declaring natural disasters and distributing federal aid](#)  
Brookings, 14 July 2023
- **Brief:** [Beyond Force: A Realist Pathway Through the Green Transition](#)  
Information Technology & Innovation Foundation, July 2023
- **Study:** [Compensation for victims of climate change disasters](#)  
European Parliament, July 2023
- **Policy Brief:** [South Asia's Dual Dilemma: Climate Impacts Heighten Conflict Vulnerability](#)  
Institute for Security & Development Policy, 7 July 2023
- **Digest:** [Climate Change in Russia](#)  
Russian Analytical Digest, July 2023
- **Briefing Paper:** [The Geoeconomics of the Hydrogen Era](#)  
Finnish Institute of International Affairs, July 2023
- **Comment:** [The Global Shift Away from Fossil Energy](#)  
German Institute for International and Security Affairs, July 2023
- **Brief:** [The Unique Promise of Environmental Cooperation in the Gulf](#)

Center for Strategic & International Studies, July 2023

- **Policy Brief:** [Unlocking Global Gateway towards the Green Transition](#)  
Egmont Royal Institute for International Relations, July 2023
- **Report:** [The Biodiversity Beyond National Jurisdiction Agreement \(High Seas Treaty\)](#)  
Congressional Research Service, 14 July 2023
- **Podcast:** [Green Energy / Red States](#)  
Climate One, 14 July 2023
- **Brief:** [Climate Change & Environment Nexus Brief: Biodiversity and Sustainable Development](#)  
Planetary Security Initiative, 10 July 2023
- **Newsletter:** [The Climate Issue](#)  
Los Alamos National Laboratory, 24 July 2023
- **Monthly Model:** [Pan-Arctic Sea Ice Concentration](#)  
NPS Regional Arctic System Model, 1 June 2023

## EVENTS

- **[NEW]** [Partnership How-To's – Lessons Learned for Successful Energy-Efficiency Programs](#)  
27 July 2023, Department of Energy
- **[CSN]** [Climate Change Law: The Impact of Recent Cases on Climate Security](#)  
2 August 2023 / 1200 – 1300 PT / Virtual via Zoom  
[Register here.](#)
- [5<sup>th</sup> Annual ESG and Climate Risk Week](#)  
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6 October 2023 / Berlin, Germany  
adelphi, Germany Federal Foreign Office, and Climate Diplomacy

- [\*\*Atmospheric Methane Removal: Needs, Challenges and Opportunities\*\*](#)  
17-18 October 2023 / Washington DC and Virtual  
National Academies of Sciences, Engineering, and Medicine
- [\*\*Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges\*\*](#)  
13-15 November 2023 / Washington DC  
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Strategic Environmental Research and Development Program (SERDP) and Environmental Security Technology Certification Program (ESTCP)
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- [\*\*Twentieth International Conference on Environmental, Cultural, Economic & Social Sustainability\*\*](#)  
24 – 26 January 2024 / Aveiro, Portugal & Virtual  
University of Aveiro (Portugal)
- [\*\*World Ocean Summit & Expo\*\*](#)  
11 – 13 March 2024 / Lisbon, Portugal  
World Ocean Initiative, The Economist Group

## OPPORTUNITIES

- [\*\*Call for Abstracts: Climate Change & Security\*\*](#)  
NATO Science & Technology Organization Centre for Maritime Research and Experimentation / **Abstracts due 28 July 2023.**
- [\*\*\[Updated\] Call for Papers: Artificial Intelligence and Climate: The Role of AI in a Climate-Smart Sustainable Future\*\*](#)  
Association for the Advancement of AI / **Submissions due 28 July 2023.**  
[Associated link from Climate Change AI.](#)
- [\*\*Veterans Advanced Energy Fellowship\*\*](#)  
**Applications due 31 July 2023.**
- [\*\*Call for Proposals: Operational Energy Management System\*\*](#)  
**Commanding Energy proposals due 1 August 2023.**  
**Operational Energy Prototyping Fund proposals due 1 August 2023.**  
**Aviation and Space Efficiencies proposals due 1 November 2023.**  
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National Academies of Sciences, Engineering and Medicine / **Applications due 10 August 2023.**

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Letters of intent due 21 August 2023.
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Proposals due 14 October 2023.
- [\*\*Call for Input: Atmospheric Methane Removal: Technical Input\*\*](#)  
Submit input by 31 October 2023.

Dear CSN Members,

Below is the climate security update for this week, including a special section on increasing ocean temperatures.

A few notes:

CSN Member Jessica Yllemo of the American Security Project is featured here:

- **Podcast: [The U.S. Department of Defense Adapts to Climate Change](#)**  
America Adapts, 24 July 2023

Arnie Dupuy of the NPS Energy Academic Group contributed this article to the Atlantic Council:

- **[A new Black Sea natural gas project could be a game changer for the region – and a challenge for Putin](#)**  
26 July 2023, Atlantic Council

And, a reminder of an upcoming CSN Event:

- **[\[CSN\] Climate Change Law: The Impact of Recent Cases on Climate Security](#)**  
2 August 2023 / 1200 – 1300 PT / Virtual via Zoom  
[Register here.](#)

Hope everyone has a good weekend.

Kristen

Kristen M Fletcher  
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[Energy Academic Group](#) | [Climate & Security Network](#)  
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[kristen.fletcher@nps.edu](mailto:kristen.fletcher@nps.edu)

**NPS Climate & Security Network Weekly Update: 28 July 2023**

### **Special Section: Increasing Ocean Temperatures**

- Forbes: [Seawater Near Florida Reaches Hot Tub Temperatures As It Hits Record Levels](#)
- The Guardian: [Florida ocean records ‘unprecedented’ temperatures similar to a hot tub](#)
- The New York Times: [101°F in the Ocean Off Florida: Was it a World Record?](#)
- The Washington Post: [Ocean temperatures are off the charts. Here’s where they’re hottest.](#)
- NOAA: [The ongoing marine heat waves in U.S. waters, explained](#)
- Earth.org: [The Impact of Rising Ocean Temperatures on Humans, Marine Biodiversity and Ecosystems](#)

### **NEWS**

- [International Humanitarian Law and Russia’s Termination of the Black Sea Grain Initiative](#)  
28 July 2023, Just Security
- [FERC approves ‘historic’ rule to address renewables backlog](#)  
28 July 2023, E&E News

- [\*\*No Water, No Food – Glacier Loss Threatens US and Chinese Agriculture\*\*](#)  
27 July 2023, New Security Beat
- [\*\*New England’s Natural Hurricane Shield Is Melting Away This Summer\*\*](#)  
27 July 2023, WBZ News Radio (MA)
- [\*\*Climate Litigation Has Exploded, but Is it Making a Difference?\*\*](#)  
27 July 2023, Inside Climate News
- [\*\*Pakistan approves national plan for climate change resilience.\*\*](#)  
26 July 2023, La Prensa Latina
- [\*\*Alaska is facing a massive mineral boom, but at what cost?\*\*](#)  
26 July 2023, Grist
- [\*\*Want to Beat Global Warming? Beat Global Indebtedness First\*\*](#)  
25 July 2023, New Security Beat
- [\*\*Climate change role in July heatwaves ‘overwhelming’, scientists say\*\*](#)  
25 July 2023, Reuters
- [\*\*Scientists discover lithium replacement that may revolutionize EV batteries: ‘99.7% efficient after over 400 hours of use’\*\*](#)  
25 July 2023, MSN
- [\*\*The race to defuse an oil ‘time bomb’ disaster threatening the Red Sea\*\*](#)  
25 July 2023, Grist
- [\*\*Climate Change and China’s International Image\*\*](#)  
24 July 2023, American Security Project
- [\*\*An integrative approach to water security\*\*](#)  
22 July 2023, PhilStar Global
- [\*\*Military Exemptions: How One of the World’s Largest Polluters Gets a Free Pass\*\*](#)  
22 July 2023, Impakter
- [\*\*The Climate Security Nexus: A Transatlantic Conversation With NATO\*\*](#)  
21 July 2023, New Security Beat
- [\*\*App Helps Guide Military Operations During Inclement Weather\*\*](#)  
21 July 2023, Government Technology
- [\*\*New Tech Brings Resilience to Small-Town Hydropower\*\*](#)  
21 July 2023, Idaho National Laboratory
- [\*\*A secure gas supply and climate action go hand-in-hand\*\*](#)  
21 July 2023, The Hill
- [\*\*Cop28 sets beacon for military planners scrambling for lower emissions\*\*](#)  
21 July 2023, The National News (UK)
- [\*\*NATO steps up work on climate change and security\*\*](#)

21 July 2023, ADS Advance

- [Report shows need for improved military infrastructure amidst climate change](#)  
21 July 2023, KTVF (AK)
- [Norway throws importance of oil & gas for Europe's energy security into stark relief](#)  
21 July 2023, Offshore Energy
- [US electric grid facing cyber risks from renewable energy tech](#)  
21 July 2023, SC Media
- [Five Takeaways from the 2023 NATO Summit in Vilnius](#)  
20 July 2023, Inkstick
- [New catalyst could dramatically cut methane pollution from millions of engines](#)  
20 July 2023, SLAC National Accelerator Laboratory
- [UK Looks To Boost Energy Security With Small Modular Nuclear Reactors](#)  
18 July 2023, OilPrice.com
- [Droughts in Western states drive up emissions and threaten human health](#)  
17 July 2023, Stanford News
- [An Arctic 'Great Game' as NATO allies and Russia face off in far north](#)  
17 July 2023, The Washington Post
- [OSCE Joint Meeting on Security-Environment Nexus Amid Ukraine Aggression](#)  
14 July 2023, Mirage

## REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Strategy:** [Department of Defense Operational Energy Strategy](#)  
Under Secretary of Defense for Acquisition and Sustainment, May 2023 (signed out July 2023)
- **Monthly Reports:**
  - [June 2023 Global Climate Report](#)
  - [June 2023 U.S. Climate Report](#)National Centers for Environmental Information, July 2023
- **Article:** [Warning of a forthcoming collapse of the Atlantic meridional overturning circulation](#)  
Nature, 25 July 2023
- **Newsletter:** [SDG Summit 2023](#)  
Sustainable Development Goals Summit, 7 July 2023
- **Article:** [Carbon Time Machine](#)  
The Washington Quarterly, July 2023
- **Analysis:** [Water and Climate Change Will Shape Iraq-Turkey Relations](#)  
Foreign Policy Research Institute, 19 July 2023
- **Article:** [Reclaiming open climate adaptation futures](#)

Nature Climate Change, 20 July 2023

- **Podcast: [Building a Better Battery Supply Chain with JB Straubel and Amy Boulanger](#)**  
Climate One, 28 July 2023

## EVENTS

- **[\[CSN\] Climate Change Law: The Impact of Recent Cases on Climate Security](#)**  
2 August 2023 / 1200 – 1300 pm PT / Virtual via Zoom  
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- **[\[NEW / NPS\] What Will Keep the Lights On?: Microgrids, Energy Security and Climate Change](#)**  
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*For those in the Monterey area that need base access, contact [kristen.fletcher@nps.edu](mailto:kristen.fletcher@nps.edu).*
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The Economist
- **[Greenhouse Gas Emissions from Wildland Fires: A Workshop](#)**  
13 – 15 September 2023 / Washington, D.C. and Virtual  
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- **[\[NEW\] 2023 Sustainable Development Goals Summit](#)**  
18-19 September 2023 / New York  
United Nations
- **[Global Water Challenge](#)**  
20-21 September 2023 / Oak Ridge, TN  
Oak Ridge National Laboratory Climate Security Workshop Series  
For details and registration, [email Dr. Carter Christopher](#).
- **[Climate Change & Security](#)**  
3 – 5 October 2023 / Lerici, Italy  
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- [\*\*Call for Input: Atmospheric Methane Removal: Technical Input\*\*](#)  
**Submit input by 31 October 2023.**

Dear CSN Members,

Below is the climate security update for this week, including a special section on polar regions.

Many thanks to those who attended the CSN Climate Change Law Brief this week. Video and slides will be available next week.

And, please **SAVE THE DATE** for an upcoming CSN Brief:

- **The Global Water Security Center: Translating environmental data for security decisions**  
23 August 2023 / 1200 PT / Hybrid: In-person at NPS & via Zoom  
Speaker: Dr. Kate Brauman, [Global Water Security Center](#)

We'll publish details on this event next week.

Hope everyone has a good weekend.

Kristen

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## NPS Climate & Security Network Weekly Update: 4 Aug 2023

### Special Section: Climate Change & the Polar Regions

- Inside Climate News: [On the Coast of Greenland, Early Arctic Spring Has Been Replaced by Seasonal Extremes, New Research Shows](#)
- The New York Times: [A Look at How Much Less Antarctic Sea Ice There Is This Year](#)
- Stanford Earth Matters Magazine: [Mission to understand Arctic carbon uptake and 'jewels of the sea'](#)
- Congressional Research Service: [Coast Guard Polar Security Cutter \(Polar Icebreaker\) Program: Background and Issues for Congress](#)
- Observer Research Foundation: [The Consequences of Arctic Amplification in a Warming World](#)
- Grist: [Why the climate movement doesn't talk about polar bears anymore](#)

### NEWS

- [Iran's surprise 'unprecedented heat' shutdown raises questions](#)  
3 August 2023, Al Jazeera
- [Why international support for Haiti must include climate security](#)  
3 August 2023, The New Humanitarian
- [House cuts to Pentagon climate-resilience plans weaken the military](#)  
2 August 2023, Defense One
- [UK's North Sea move shows tensions between energy security, climate](#)  
1 August 2023, Axios

- [Kenya's National Security Advisor Monica Juma on Climate and Security in the Horn of Africa](#)  
31 July 2023, UN Dispatch
- [Emerging economies' soaring coal consumption imperils global environmental security](#)  
31 July 2023, The American Bazaar
- [It's not just hot. Climate anomalies are emerging around the globe.](#)  
31 July 2023, The Washington Post
- [Climate change is already affecting food security. How can Canadians prepare?](#)  
30 July 2023, Global News (Canada)
- [UK's energy security plan aims to boost job creation and reduce reliance on hostile states like Russia](#)  
30 July 2023, Sky News (UK)
- [Mangrove provides ecological security to coastal communities](#)  
29 July 2023, The Statesman (India)
- [A Climate Warning from the Cradle of Civilization](#)  
29 July 2023, The New York Times
- [Climate pressures enable cyber threats against critical national infrastructure](#)  
28 July 2023, International Airport Review
- [How forests can cut carbon, restore ecosystems and create jobs](#)  
27 July 2023, MIT News
- [Why Scientists Are Clashing Over the Atlantic's Critical Currents](#)  
26 July 2023, Wired
- [Biden sees international backlash for boosting the EV battery industry in the U.S.](#)  
26 July 2023, NPR
- [Unraveling the Heat Wave: Separating Weather from Climate Change](#)  
26 July 2023, Forbes

#### REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Draft Report:** [Worldwide daily fingerprints of climate change during Earth's hottest month](#)  
1 August 2023, Climate Central
- **Statement:** [Joint Statement on Australia-U.S. Ministerial Consultations](#)  
Department of Defense Release, 29 July 2023  
(*Section on Driving Climate Action and the Transition to Clean Energy*)
- **Draft Public Guidance:** [Guidance for Assessing Changes in Environmental and Ecosystem Services in Benefit-Cost Analysis](#)  
Office of Information and Regulatory Affairs, Office of Management and Budget, August 2023; [Related White House Statement](#)

- **Report:** [Building Larger and More Diverse Supply Chains for Energy Minerals](#)  
Center for Strategic and International Studies, July 2023
- **Issue Brief:** [Transforming Ukraine into a European Energy Hub](#)  
Atlantic Council, August 2023
- **Summary:** [Climate Change: Elements of an Organizational Arrangement for Prioritizing Federal Resilience Investments](#)  
U.S. Government Accountability Office, June 2023
- **Paper:** [Italy and Norway: Perspectives for a Further Energy Cooperation](#)  
Istituto Affari Internazionali, July 2023
- **Policy Brief:** [Climate-linked mobility: a key to development](#)  
Institute for Security Studies, 28 July 2023
- **Comment:** [Destructive Ambiguity Hampers Progress in UN Climate Process](#)  
German Institute for International and Security Affairs, July 2023
- **Report:** [How Do We Know Whether Federal Disaster Programs Are Equitable?](#)  
Homeland Security Operational Analysis Center, July 2023
- **Article:** [Iraq is running out of water](#)  
Planetary Security Initiative, 27 July 2023
- **Commentary:** [Rebooting Food Systems and Accelerating Climate Action Must Go Hand-in-Hand](#)  
Istituto Affari Internazionali, July 2023
- **Paper:** [Our Uncommon Future: Intersectionality of Climate Change and SDGs in the Global South](#)  
Observer Research Foundation, 31 July 2023
- **Policy Brief:** [Power Couple: How Europe and Algeria Can Move Beyond Energy Cooperation](#)  
European Council on Foreign Relations, July 2023
- **Research:** [Understanding the growing radical flank of the climate movement as the world burns](#)  
Brookings, 26 July 2023
- **Report:** [Building Alliances: Stories of Inclusion, Climate Action and Equity](#)  
Resilient Nation Partnership Network and Federal Emergency Management Agency, July 2023
- **Paper:** [Northwestern Syria in the Time of Cholera, Earthquakes and Environmental Degradation](#)  
Carnegie Middle East Center, July 2023
- **Blog Post:** [Kakhovka Dam Collapse: Medium-Term Consequences](#)  
Water Peace Security, July 2023

## EVENTS

- [Leveraging offshore wind to decarbonize East Asia](#)  
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National Institutes of Health
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- [\*\*Grant Opportunity: Ocean-Based Climate Resilience\*\*](#)  
NOAA National Ocean Service / **Applications due 11 September 2023.**
- [\*\*\[NEW\] ESTCP FY 2024 Supplemental Solicitation: Climate Resilient Tools and Technologies\*\*](#)  
**Proposals due 14 September 2023.**
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On Sustainability Research Network / **Proposals due 14 October 2023.**
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Dear CSN Members,

Below is the climate security update for this week, including a special section on the Maui Wildfires.

Many thanks to those who attended the CSN Climate Change Law Brief last week. The briefing video and slides are [available here](#).

Also, for those of you looking for job opportunities in the climate space, you may want to visit:

- [What are some major employment opportunities in the climate space?](#)  
7 August 2023, MIT Climate Portal

Hope everyone has a good weekend.

Kristen

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**NPS Climate & Security Network Weekly Update: 11 Aug 2023**

### **Special Section: Maui Wildfires**

- White House: [Statement from President Joe Biden on the Wildfires in Hawaii](#)
- U.S. Department of Defense Release: [DOD Mobilizes Support in Response to Hawaii Wildfire](#)
- Navy Times: [Biden sends military to help with Hawaii wildfires](#)
- AP News: [What's driving Maui's devastating fires and how climate change is fueling those conditions](#)
- Al Jazeera: [What is the environmental impact of the fires on Hawaii's Maui island?](#)
- New York Times: [How Climate Change Turned Lush Hawaii Into a Tinderbox](#)
- E&E News: [Drought in the tropics: Hawaii wildfires highlight worsening trends](#)
- The Hill: [Hawaii National Guard activated in response to devastating wildfires](#)
- U.S. Department of Defense Release: [National Guard Takes On Maui Wildfires](#)
- AP News: [President Biden declares Hawaii a disaster area from devastating Maui wildfires](#)

### **NEWS**

- [The ocean is shattering heat records. Here's what that means for fisheries.](#)  
11 August 2023, Grist
- [DOE awards \\$1B for 2 carbon removal projects on Gulf Coast](#)  
11 August 2023, E&E News
- [Hydrogen-powered trucks look for a lane in the fight against climate change](#)  
11 August 2023, Axios
- [Navy concerns eliminate 700-square-mile zone from offshore wind development](#)  
10 August 2023, WRAL News (NC)

- [\*\*6 issues to watch as climate law remakes the energy sector\*\*](#)  
10 August 2023, E&E News
- [\*\*Biden's climate law: One year in\*\*](#)  
10 August 2023, Politico
- [\*\*What did Amazon nations agree upon at the summit in Brazil?\*\*](#)  
9 August 2023, Al Jazeera
- [\*\*What's killing Florida's coral reefs – and why you should care\*\*](#)  
9 August 2023, The Washington Post
- [\*\*Yellow jerseys of the fireline: A day fighting wildfires can require as much endurance as riding the Tour de France\*\*](#)  
8 August 2023, The Conversation
- [\*\*Biden deploys Pentagon to beat climate change and China\*\*](#)  
8 August 2023, The Japan Times
- [\*\*Friends Don't Let Friends Succumb to Climate Change: Competing With China by Helping Our Partners and Allies Adapt\*\*](#)  
8 August 2023, Just Security
- [\*\*America's Critical Infrastructure and Shift to Clean Energy a Matter of National Security?\*\*](#)  
8 August 2023, PR Newswire
- [\*\*Iowa National Guard prepares for natural disasters alongside utilities\*\*](#)  
8 August 2023, KCRG News (IA)
- [\*\*EPA is ignoring the glaring problem with dirty electric vehicles\*\*](#)  
7 August 2023, The Hill
- [\*\*A solution for California's wildfire safety deficit\*\*](#)  
7 August 2023, Stanford News
- [\*\*As climate change worsens, military eyes base of the future on Gulf Coast\*\*](#)  
6 August 2023, The Washington Post
- [\*\*The EPA's ambitious plan to cut auto emissions to slow climate change runs into skepticism\*\*](#)  
6 August 2023, AP News
- [\*\*U.S. and Pacific Islands Elevate Women's Leadership in Climate Security in Two-day Workshop\*\*](#)  
5 August 2023, U.S. Indo-Pacific Command Release
- [\*\*AFCEC plays vital role in DAF climate plan initiatives\*\*](#)  
5 August 2023, Air Force Release
- [\*\*July 2023 Update: Military Responses to Climate Hazards \(MiRCH\) Tracker\*\*](#)  
3 August 2023, Center for Climate & Security

- [Guest Blog: SACE and FEMA Promote Fossil Fuel Dependence and a Centralized Grid in Puerto Rico](#)  
2 August 2023, Sabin Center for Climate Change Law
- [The Short Sightedness of Anti-Electric Vehicle \(EV\) NDAA Amendments](#)  
31 July 2023, American Security Project

## REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Monthly Summary:** [Assessing the U.S. Climate in July 2023](#)  
National Centers for Environmental Information, 8 August 2023
- **Report:** [Feeding Resilience: A Review of Policies and the Intersection of Climate Change, Food Security and National Security Policy](#)  
Center for Climate & Security, August 2023
- **Article:** [Climate adaptation research priorities and funding: a review of US federal departments' climate action plans](#)  
Climate Policy, 5 August 2023
- **Article:** [Climate-Induced Decadal Ocean Wave Height Variability From Microseisms: 1931 – 2021](#)  
Journal of Geophysical Research: Oceans, 1 August 2023
- **Article:** [Climate intervention on a high-emissions pathway could delay but not prevent West Antarctic Ice Sheet demise](#)  
Nature Climate Change, 10 August 2023
- **Podcast:** [Unique time in history for energy and hydrogen](#)  
Stanford Doerr School of Sustainability, August 2023
- **Article:** [Antarctic extreme events](#)  
Frontiers in Environmental Science, 8 August 2023
- **Report:** [Critical Materials Assessment](#)  
U.S. Department of Energy, July 2023
- **Report:** [Our planet in hot water](#)  
NPR, 9 August 2023
- **Report:** [Antitrust and Sustainability: A Landscape Analysis](#)  
Columbia Center on Sustainable Investment and Sabin Center for Climate Change Law, July 2023
- **Policy Memo:** [How the US and EU can advance the green transition along with energy and resource security](#)  
Atlantic Council, 7 August 2023
- **Report:** [H1 2023 Natural Catastrophe Report: Preliminary Report](#)  
Gallagher Re, July 2023
- **Report:** [Modeling Climate Litigation Risk for \(Re\)Insurers](#)  
Sabin Center for Climate Change Law, July 2023

- **Report: [Landscape of Climate Finance for Agrifood Systems](#)**  
Climate Policy Initiative, July 2023
- **Report: [Understanding the Effectiveness of Coastal Nature-based Solutions: Practitioner-based Learning](#)**  
Aspen Global Change Institute and University of Arizona Center for Climate Adaptation Science and Solutions, June 2023
- **Climate One Podcasts:**
  - [Just a Walk or Bike Ride Away: The 15-Minute City](#), 11 August 2023
  - [Youth Activists 15 Years Later](#), 4 August 2023

## EVENTS

- **[NEW] [US-Romania energy and climate cooperation: Advancing shared objectives](#)**  
11 August 2023 / 2:30 pm ET / 11:30 am PT / Washington, DC & Live-streamed Atlantic Council
- **[CSN] [The Global Water Security Center: Translating environmental data for security decisions with Dr. Kate Brauman](#)**  
23 August 2023 / 1200 PT / Monterey, CA & via Zoom  
NPS Climate & Security Network
- **[NPS] What Will Keep the Lights On?: Microgrids, Energy Security and Climate Change**  
29 August 2023 / 3 – 4 pm PT / ME Auditorium, NPS Campus  
*Note: no virtual option but a video will be posted [online](#) following the event.*  
*For those in the Monterey area that need base access, contact [kristen.fletcher@nps.edu](mailto:kristen.fletcher@nps.edu).*
- **[5<sup>th</sup> Annual ESG and Climate Risk Week](#)**  
12-14 September 2023 / London, UK and Virtual  
The Economist
- **[Greenhouse Gas Emissions from Wildland Fires: A Workshop](#)**  
13 – 15 September 2023 / Washington, DC and Virtual  
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- **[2023 Sustainable Development Goals Summit](#)**  
18-19 September 2023 / New York, NY  
United Nations
- **[NEW] [Workshop on Resilience of Navy Waterfront Facilities in a Changing Climate](#)**  
19 – 20 September 2023 / Annapolis, MD  
American Society of Civil Engineers  
*This is an invitation-only workshop; to attend, contact Tom Chase at [tchase@asce.org](mailto:tchase@asce.org).*
- **Global Water Challenge**  
20-21 September 2023 / Oak Ridge, TN  
Oak Ridge National Laboratory Climate Security Workshop Series  
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- **[NEW] [Clean Cars and National Security: The Importance of Increased Electrification and Strong Standards](#)**

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- **[\[NEW\] The Dynamics of Climate and the Macroeconomy: A Workshop](#)**  
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National Academies of Sciences, Engineering and Medicine
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NATO Science & Technology Organization Centre for Maritime Research and Experimentation
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adelphi, Germany Federal Foreign Office, and Climate Diplomacy
- **[Atmospheric Methane Removal: Needs, Challenges and Opportunities](#)**  
17-18 October 2023 / Washington, DC and Virtual  
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- **[Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges](#)**  
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Strategic Environmental Research and Development Program (SERDP) and Environmental Security Technology Certification Program (ESTCP)
- **[AGU 2023 / American Geophysical Union Fall Meeting](#)**  
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24 – 26 January 2024 / Aveiro, Portugal & Virtual  
University of Aveiro (Portugal)
- **[World Ocean Summit & Expo](#)**  
11 – 13 March 2024 / Lisbon, Portugal  
World Ocean Initiative, The Economist Group

## OPPORTUNITIES

- **[Competitive Funding Opportunity: NOAA Climate Resilience Regional Challenge](#)**  
**Letters of intent due 21 August 2023.**

- [Grant Opportunity: Ocean-Based Climate Resilience](#)  
NOAA National Ocean Service / **Applications due 11 September 2023.**
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Journal of the Acoustical Society of America. **Submissions due 30 June 2024.**

Dear CSN Members,

Below is the climate security update for this week, including a special section on the climate case out of Montana this week, *Held v. Montana*. This case was covered by NPS Legal Intern Bec Grippo in the 2 August Climate Change Law Briefing and is the **first youth case in the U.S. to make it to trial**. Among other findings, the court found that **“Plaintiffs have a fundamental constitutional right to a clean and healthful environment, which includes climate as part of the environmental life-support system.”** Further analysis will be included in the Climate Change Law briefer due out at the end of August.

Also, hope you can join next week’s CSN Speaker Series Event with our guest, Dr. Kate Brauman:

- [\[CSN\] The Global Water Security Center: Translating environmental data for security decisions with Dr. Kate Brauman](#)  
23 August 2023 / 1200 PT / Monterey, CA & via Zoom  
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Hope everyone has a good weekend.

Kristen

Kristen M Fletcher  
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NPS Climate & Security Network Weekly Update: 18 Aug 2023

**Special Section: *Held v. Montana***

- [Findings of Fact, Conclusions of Law and Order](#)
- The Conversation: [Montana kids win historic climate lawsuit – here’s why it could set a powerful precedent](#)
- The Guardian: [‘Gamechanger’: judge rules in favor of young activists in US climate trial](#)
- Daily Montanan: [The ‘youth climate trial’ decision is so simple, even I can understand it – and that’s the point](#)
- The New York Times: [Judge Rules in Favor of Montana Youths in a Landmark Climate Case](#)
- Forbes: [There Are Legal Limits To Montana’s Landmark Climate Change Ruling](#)
- Politico: [Montana judge sides with youth in historic climate trial](#)

**NEWS**

- [Maui wildfires spark new fears about outdated U.S. power grid](#)  
18 August 2023, Axios
- [Utilities are getting sued over wildfires. Who’s bearing the cost?](#)  
18 August 2023, Grist
- [This N.J. town erected barriers to hold back the sea. A public fight erupted.](#)  
18 August 2023, The Washington Post
- [Wealthy oil nation lays groundwork for ‘eye-popping’ climate fund](#)

18 August 2023, Politico

- [Climate change will make some Army bases too hot to train at, warn MPs](#)  
18 August 2023, I News (UK)
- [Cal Guard's Joint Forces Training Base Gets Solar Microgrid](#)  
17 August 2023, National Guard Release
- [China Leads the Race to the Bottom: Deep Sea Mining for Critical Minerals](#)  
17 August 2023, New Security Beat
- [Fire Exposes Flaws in Hawaii's Defenses Against Climate Shocks](#)  
17 August 2023, The New York Times
- [A rusting tanker, a civil war: Averting environmental disaster in Yemen](#)  
17 August 2023, The Washington Post
- [DOD Personnel Working With Hawaii, FEMA Officials to Speed Relief to Maui](#)  
17 August 2023, U.S. Department of Defense Release
- [Biomass plant's closure takes toll on logging industry](#)  
17 August 2023, WWNYTV
- [Climate Change Worsens Natural Disasters Alongside Racial Inequity](#)  
17 August 2023, Forbes
- [Russia hits Ukrainian grain depots again](#)  
16 August 2023, Navy Times
- [UN climate panel chair: Paris agreement's 1.5-degree target "a big ask"](#)  
16 August 2023, Axios
- [Military Lends Support in Maui Wildfire Aftermath](#)  
16 August 2023, U.S. Department of Defense Release
- [Military airlifts hundreds to safety from fires in Northwest Territories](#)  
16 August 2023, BBC
- [Energy-saving airlift prototype to be built by JetZero for Air Force](#)  
16 August 2023, Air Force Times
- [A First Look at Typhoon Doksuri: China's Climate Security Vulnerabilities](#)  
15 August 2023, The Center for Climate & Security
- [Climate Change and National Security Strategies: Assessing a Growing Trend](#)  
15 August 2023, New Security Beat
- [The U.S. Military Already Sees Climate as an Emergency](#)  
15 August 2023, World Politics Review
- [Indo-Pacific Environmental Security Forum – 2023 begins in Colombo](#)  
15 August 2023, The Island Online (Sri Lanka)

- [\*\*The Crossroads of Science Diplomacy: Italy and the Challenges of the European Union’s Greener Engagement in the Arctic\*\*](#)  
15 August 2023, The Arctic Institute
- [\*\*Beyond melting ice caps: Why climate change is a security issue\*\*](#)  
14 August 2023, Euractiv
- [\*\*Maui fires not just due to climate change but a ‘compound disaster’\*\*](#)  
12 August 2023, The Washington Post
- [\*\*Solar project at Los Alamos base expected to increase energy resilience in Southern California\*\*](#)  
12 August 2023, The Orange County Register
- [\*\*Winter is coming: Is Ukraine’s power grid ready for new Russian attacks?\*\*](#)  
12 August 2023, Atlantic Council
- [\*\*Global heating likely to hit world food supply before 1.5C, says UN expert\*\*](#)  
12 August 2023, The Guardian
- [\*\*What are the current opportunities and threats facing environmental security?\*\*](#)  
12 August 2023, Modern Diplomacy
- [\*\*Cordova, Alaska & NREL Push The Envelope Of Microgrid Design\*\*](#)  
11 August 2023, CleanTechnica
- [\*\*The US just invested more than \\$1 billion in carbon removal\*\*](#)  
11 August 2023, MIT Technology Review
- [\*\*Cutting methane emissions is key to slowing down climate change: EDF president Fred Krupp\*\*](#)  
11 August 2023, Eco-Business
- [\*\*On the Highway to Climate Hell: The world’s infrastructure was built for a climate that no longer exists.\*\*](#)  
11 August 2023, Foreign Policy
- [\*\*UAE’s al-Jaber urges more financing to help Caribbean and other regions fight climate change\*\*](#)  
10 August 2023, AP News
- [\*\*California floating wind plan gains mission approval with US ‘space force’ base\*\*](#)  
10 August 2023, Recharge

## REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Monthly Summary: [July 2023 Global Climate Report](#)**  
National Centers for Environmental Information, 14 August 2023
- **Articles from Nature Climate Change:**
  - [Surprising stability of recent global carbon cycling enables improved fossil fuel emission verification](#), August 2023

- [Evaluating fossil fuel companies' alignment with 1.5 °C climate pathways](#),  
August 2023
- [Detecting climate signals cascading through levels of biological organization](#),  
August 2023
- **Brief:** [Water Conflict Between Iran and Afghan Taliban Stirs Sectarian Tensions](#)  
The Jamestown Foundation, 8 August 2023
- **Report:** [Seizing the moment: targeting transformative disaster risk resilience](#)  
Economic and Social Commission for Asia and the Pacific
- **Policy Brief:** [How the EU and US can advance the green transition along with energy and resource security](#)  
European Policy Centre, 7 August 2023
- **Podcast:** [Navigating Science and Feelings on a Destabilized Planet](#)  
Climate One, 18 August 2023
- **Paper:** [Achieving Climate Security](#)  
United States Institute of Peace, August 2023
- **Report:** [“Climate Change is Controlling Everything, Let Them Compensate Us”:  
Stories of Loss and Damage in Kenya](#)  
Climate Refugees, August 2023
- **Article:** [The Ocean Decade as an instrument of peace](#)  
Current Opinion in Environmental Sustainability, August 2023
- **Prediction Model:** [Regional Arctic System Model Sea Ice Prediction](#)  
Naval Postgraduate School, 1 August 2023
- **Report:** [Climate Change: State and Local Efforts to Reduce Greenhouse Gas Emissions  
from Vehicles](#)  
U.S. Government Accountability Office, August 2023
- **Study:** [Compensation for victims of climate change disasters](#)  
European Union, August 2023
- **Article:** [Barriers to Force Projection: Climate Change and Aerial Forward Operability](#)  
Air & Space Operations Review, August 2023 (*pdf p. 6*)
- **Article:** [How to Address the Growing Backlash Against Net-Zero Policy](#)  
Tony Blair Institute for Global Change, 3 August 2023
- **Workshop Proceedings:** [Pathways to an Equitable and Just Energy Transition](#)  
National Academies of Sciences, Engineering and Medicine, July 2023
- **Workshop Proceedings:** [Climate Security in South Asia](#)  
National Academies of Sciences, Engineering and Medicine, July 2023
- **Policy Brief:** [Translating the Climate-Security Nexus](#)  
George C. Marshall European Center for Security Studies, August 2023

- **Working Paper:** [Coping with Climate Shocks: Food Security in a Spatial Framework](#)  
International Monetary Fund, 11 August 2023
- **Issue Brief:** [Federal Energy Legislation and the Infrastructure Achilles' Heel: The Energy Market Impacts of the IIJA, CHIPS Act, and IRA](#)  
Baker Institute for Public Policy, 7 August 2023
- **Article:** [US and European Energy Security amid Great-Power Competition](#)  
Journal of Indo-Pacific Affairs, July – August 2023 (*pdf p. 17*)
- **Article:** [Barking up the tree wrongly? How national security strategies frame climate and other environmental change as security issues](#)  
Political Geography, August 2023
- **Note:** [The environmental dark side of digitalization: an urban perspective](#)  
CIDOB, August 2023
- **Policy Brief:** [Barriers and Limits to Climate Security in the Pacific](#)  
Toda Peace Institute, July 2023
- **Video:** [Climate 2023: The Critical Importance of Electrification](#)  
NBC News, July 2023

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Dear CSN Members,

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Many thanks to Dr. Kate Brauman who presented on water security this week. For those interested in water security, this week's special section is dedicated to it below.

Hope everyone has a good weekend.

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## NPS Climate & Security Network Weekly Update: 25 Aug 2023

### Special Section: Water Security

- The Washington Post: [Here's where water is running out in the world and why](#)
- The Jerusalem Post: [Israel and Jordan inch closer to water-for-energy deal](#)
- World Economic Forum: [Visualizing the global population by water security levels](#)
- Relief Web: [Water dilemmas: The cascading impacts of water insecurity in a heating world](#)
- Phys.org: [Challenges ahead: Navigating climate change and water management](#)
- The Washington Post: [Lahaina's deadly fire has intensified Maui's fight over water rights](#)
- World Resources Institute: [Aqueduct 4.0: Updated decision-relevant global water risk indicators](#)

### NEWS

- [4 takeaways from the grid's record-breaking summer](#)  
25 August 2023 E&E News
- [Broader Lessons About Resilience from Maui's Fires](#)  
23 August 2023, Just Security
- [Making aviation fuel from biomass](#)  
23 August 2023, MIT News
- [DOD, Coast Guard Continue Support to Maui](#)  
22 August 2023, Department of Defense Release
- [How much are governments spending on clean energy? Here's the top-5 list](#)  
22 August 2023, The European Sting
- [El Niño and Militarized Fisheries Disputes in the East and South China Seas](#)  
22 August 2023, New Security Beat
- [Can We Learn from Oppenheimer in Responding to Climate Change?](#)

21 August 2023, Foreign Policy

- [Wind-powered cargo ship sets sail in a move to make shipping greener](#)  
21 August 2023, CNN
- [The Military Advantage of a Climate Emergency Declaration](#)  
21 August 2023, Heatmap
- [Q&A: Dr. Jeff Colgan on the Energy Security Impacts of Russia's War in Ukraine](#)  
21 August 2023, New Security Beat
- [Defending the Bay: How the Department of Defense contributes to Bay restoration](#)  
18 August 2023, Chesapeake Bay Program Release
- [Australia and California sign climate change MoU](#)  
18 August 2023, Energy Magazine
- [Extreme weather is the "new norm"](#)  
18 August 2023, World Meteorological Organization
- [US places tariffs on some big solar companies for dodging China duties](#)  
18 August 2023, Reuters
- [North Carolina Offshore Wind Leases Blocked](#)  
18 August 2023, The Carolina Journal
- [How Geopolitics is Complicating the Move to Clean Energy](#)  
18 August 2023, The New York Times
- [Sri Lanka forum with US backing targets environmental security](#)  
18 August 2023, Economy Next
- [Climate change exposes military to new stresses, requires increased investment: former defence chief](#)  
18 August 2023, Global News (Canada)
- [How maritime can help the defense sector be sustainable](#)  
16 August 2023, Marine Log
- [Why knowing how climate change contributes to extreme weather is key](#)  
16 August 2023, New Scientist
- [China calls for more secrecy on sensitive energy issues](#)  
16 August 2023, Reuters
- [How the Caribbean Is Building Climate Resilience](#)  
16 August 2023, Council on Foreign Relations
- [Climate change, wildfires and the role of Canada's military helicopters](#)  
16 August 2023, Vertical
- [NASA's Latest Climate Projections Could Help Decision-Makers Protect Their Regions](#)  
14 August 2023, Homeland Security Today

- [Severe drought in Panama hits global shipping industry](#)  
14 August 2023, Financial Times
- [China's Two Climate Directions](#)  
14 August 2023, The New York Times

## REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Audio:** [The National Guards turns to firefighting amid worsening climate change](#)  
National Public Radio, 22 August 2023
- **Report:** [Pacific Climate Security Assessment Guide](#)  
Pacific Islands Forum, August 2023
- **Climate Strategy:** [For People and Planet](#)  
UN Environment Programme, August 2023
- **Podcast:** [Footnote: How cities are reducing emissions by retrofitting buildings](#)  
Energy Reads, August 2023
- **Article:** [Does LEED certification save energy? Evidence from retrofitted federal buildings](#)  
Journal of Environmental Economics and Management, August 2023
- **Report:** [Climate, Peace and Security Study: Somali Region, Ethiopia](#)  
adelphi, July 2023
- **Article:** [Navigating the continuum between adaptation and maladaptation](#)  
Nature Climate Change, 21 August 2023
- **Article:** [Earth's hottest month: these charts show what happened in July and what comes next](#)  
Nature, 18 August 2023
- **Article:** [Arctic rivers tell tales of change](#)  
Nature Geoscience, 21 August 2023
- **Article:** [Demand-side solutions in the US building sector could achieve deep emissions reductions and avoid over \\$100 billion in power sector costs](#)  
One Earth, August 2023
- **Policy Brief:** [Climate Change and Health: A Security Challenge in the Pacific Islands](#)  
Toda Peace Institute, August 2023
- **Article:** [Postcolonial lessons and migration from climate change: ongoing injustice and hope](#)  
NPJ Climate Action, 21 August 2023
- **Podcast:** [What Happens When Great Power Conflict and Climate Action Collide?](#)  
The New York Times, 22 August 2023
- **Brief:** [Winter is Coming: How the UK Should Respond to Russia's Weaponisation of Energy Sources This Winter](#)

Henry Jackson Society, August 2023

- **Event Summary:** [Addressing the Interplay of Climate Change, Food and National Security](#)  
Center for Climate & Security, August 2023
- **Report:** [Towards a fair and sustainable Europe 2050](#)  
European Commission, August 2023
- **Report:** [Feeding Resilience: A Review of Policies at the Intersection of Climate Change, Food Security and National Security Policy](#)  
Center for Climate & Security, August 2023
- **Paper:** [Ending Africa's Chronic Food Insecurity: What the G20 Can Do](#)  
Observer Research Foundation, 16 August 2023

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- [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.**

Dear CSN Members,

Below is the climate security update for this week including a special section on the science of Hurricane Idalia.

I'm also pleased to share an article about microgrid research at NPS that includes CSN Planning Team Member and Systems Engineering Faculty member Dr. Douglas Van Bossuyt.

- [NPS Advances Energy Resilience, Sustainability Through Microgrid Research](#)  
28 August 2023, Naval Postgraduate School Release

Hope everyone has a good weekend.

Kristen

Kristen M Fletcher  
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[Energy Academic Group](#) | [Climate & Security Network](#)  
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[kristen.fletcher@nps.edu](mailto:kristen.fletcher@nps.edu)

**NPS Climate & Security Network Weekly Update: 1 September 2023**

**Special Section: The Science of Hurricane Idalia**

- Woods Hole Oceanographic Institute: [Argo Floats Track Hurricane](#)
- AP News: [What makes Idalia so potent? It's feeding on intensely warm water that acts like rocket fuel](#)
- Axios: [Top 5 Reasons Idalia stands apart from other storms](#)
- NBC News: [How Hurricane Idalia went from a Category 1 to a Category 4 overnight](#)
- Scientific American: [Hurricane Idalia Turns into a Monster Storm because of Heat in the Gulf of Mexico](#)
- The Washington Post: [As Idalia hit Florida, all of NOAA's hurricane-hunting planes were grounded](#)

**NEWS**

- [Modern slavery: Pakistan's latest climate change curse](#)  
1 September 2023, Al Jazeera
- [Cultural security in the Pacific: Why it matters for regional security](#)  
31 August 2023, The Interpreter
- [Uzbekistan aims for environmental security, sustainable development through 'green' development](#)  
31 August 2023, The Korea Times
- [In surprise move, UK names energy minister Grant Shapps next defense secretary](#)  
31 August 2023, Breaking Defense
- [For Maui vets, troops, the future remains unclear after Lahaina fires](#)  
31 August 2023, Navy Times
- [Climate change fueling insecurity in Nigeria](#)

30 August 2023, Vanguard

- [Hicks Defines Need to Focus DOD on Climate Change Threats](#)  
30 August 2023, U.S. Department of Defense Release
- [NPS Research on Coast Guard Icebreaker to Enhance Arctic Readiness](#)  
30 August 2023, Naval Postgraduate School Release
- [Invasive species have created a cycle of wildfire in Hawai'i. Can Maui break it?](#)  
30 August 2023, Grist
- [China promised climate action. Its emissions topped US, EU, India combined](#)  
30 August 2023, Al Jazeera
- [Florida National Guard Activated as Hurricane Idalia Approaches](#)  
29 August 2023, U.S. Department of Defense Release
- [Too hot to handle: climate crisis report so secret Albanese government won't even reveal date it was completed](#)  
29 August 2023, The Guardian
- ['Quite the eerie feeling': Navy divers complete search for remains in Lahaina Harbor](#)  
29 August 2023, Defense One
- [California's wildland firefighters are being poisoned by smoke. And we're doing little to protect them](#)  
29 August 2023, San Francisco Chronicle
- [West must use COP28 to reverse climate neglect of Africa, or face new era of violence](#)  
28 August 2023, Euractiv
- [China's summer of climate destruction](#)  
28 August 2023, BBC News
- [Nuclear energy's role in the climate crisis and energy security](#)  
26 August 2023, Hindustan Times
- [A season of contradictions for wildfire](#)  
25 August 2023, E&E News
- [Transitioning to the clean energy grid: A deep dive into the levelized cost of electricity](#)  
24 August 2023, Atlantic Council
- [China, Australia Raise Climate Change, Security at Pacific Leaders Summit](#)  
24 August 2023, U.S. News & World Report
- [The US and China must unite to fight the climate crisis, not each other](#)  
21 August 2023, The Guardian
- [Debt-for-Climate Swaps Can Save the Planet. Why Aren't They?](#)  
15 August 2023, Stanford Social Innovation Review

## REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Federal Rule:** [Waters of the United States: Amendments to the 2023 Rule](#)

U.S. Environmental Protection Agency

- **Joint Statement:** [Joint Statement on Climate, Peace, and Security](#)  
U.S Mission to the United Nations, 31 August 2023
- **Video:** [Drought affecting Panama Canal threatens 40% of global cargo ship traffic](#)  
CBS News, 23 August 2023
- **Video:** [The Global Water Security Center: Translating environmental data for security decisions](#)  
Climate & Security Network Speaker Series, 23 August 2023
- **Note:** [Climate Challenges in Fragile and Conflict-Affected States](#)  
International Monetary Fund, 30 August 2023
- **Article:** [Quantifying Global Greenhouse Gas Emissions in Human Deaths to Guide Energy Policy](#)  
The Future of Energy Policy, 19 August 2023
- **Report:** [The Global Future of Nuclear Energy](#)  
Atlantic Council Global Energy Center, August 2023
- **Planetary Security Initiative Posts:**
  - [Yemen’s Environmental Crisis: The forgotten Fallout of an Enduring Conflict](#), 3 August 2023
  - [Climate change, security and military organizations: Changing notions in the Swedish armed forces](#), 7 August 2023
  - [Interview with Christophe Hodder: climate security in Somalia](#), 10 August 2023
  - [Implementing NATO’s climate security agenda: Challenges ahead](#), 16 August 2023
  - [Does climate change influence conflicts? Evidence for the Cameroonian regions](#), 22 August 2023
- **Prediction Model:** [Regional Arctic System Model Sea Ice Prediction](#)  
Naval Postgraduate School, 1 August 2023
- **Article:** [Arctic soil methane sink increases with drier conditions and higher ecosystem respiration](#)  
Nature Climate Change, 31 August 2023
- **Report:** [Implementing the Greenhouse Gas Reduction Fund: Investment needs, barriers and opportunities](#)  
Climate Policy Initiative, 24 August 2023
- **Article:** [Tropical Africa’s First Testbed for High-Impact Weather Forecasting and Nowcasting](#)  
Bulletin of the American Meteorological Society, August 2023

## EVENTS

- [Science on Tap: Marine Heat Waves](#)  
7 September 2023 / 5:30 – 7:30 pm PT / Pacific Grove, CA  
Pacific Grove Museum of Natural History

- [\*\*Summit: Accelerating US-emerging market clean energy partnerships\*\*](#)  
8 September 2023 / Washington DC & Virtual  
Atlantic Council Global Energy Center
- [\*\*5<sup>th</sup> Annual ESG and Climate Risk Week\*\*](#)  
12-14 September 2023 / London, UK & Virtual  
The Economist
- [\*\*Greenhouse Gas Emissions from Wildland Fires: A Workshop\*\*](#)  
13 – 15 September 2023 / Washington, DC and Virtual  
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- [\*\*Climate and National Security in the Copper State: How Continued Climate Action Benefits Arizona and National Security\*\*](#)  
14 September 2023 / 5 – 6 PM pm ET / Phoenix, AZ  
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- [\*\*\[NEW\] Nuclear Energy Policy Summit 2023: Accelerating Net Zero Nuclear\*\*](#)  
18-19 September 2023 / 9:00 am ET / 6:00 am PT / New York, NY & Virtual  
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18-19 September 2023 / New York, NY  
United Nations
- [\*\*Unlocking Climate Finance in Latin America and the Caribbean\*\*](#)  
19 September 2023 / 3 – 4:30 pm ET / New York, NY  
Wilson Center Latin America Program
- [\*\*Workshop on Resilience of Navy Waterfront Facilities in a Changing Climate\*\*](#)  
19 – 20 September 2023 / Annapolis, MD  
American Society of Civil Engineers  
*This is an invitation-only workshop; to attend, contact Tom Chase at [tchase@asce.org](mailto:tchase@asce.org).*
- **Global Water Challenge**  
20-21 September 2023 / Oak Ridge, TN  
Oak Ridge National Laboratory Climate Security Workshop Series  
For details and registration, [email Dr. Carter Christopher](mailto:email.Dr.Carter.Christopher).
- [\*\*Climate Security Risks in Iran and Turkey\*\*](#)  
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6 October 2023 / Berlin, Germany  
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17-18 October 2023 / Washington, DC and Virtual  
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- [2023 Federal Environmental Symposium](#)  
23-27 October 2023 / Bethesda, MD  
National Institutes of Health
- [Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges](#)  
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Strategic Environmental Research and Development Program (SERDP) and Environmental Security Technology Certification Program (ESTCP)
- [AGU 2023 / American Geophysical Union Fall Meeting](#)  
11 – 15 December 2023 / San Francisco, CA & Virtual  
American Geophysical Union
- [Twentieth International Conference on Environmental, Cultural, Economic & Social Sustainability](#)  
24 – 26 January 2024 / Aveiro, Portugal & Virtual  
University of Aveiro (Portugal)
- [World Ocean Summit & Expo](#)  
11 – 13 March 2024 / Lisbon, Portugal  
World Ocean Initiative, The Economist Group

## OPPORTUNITIES

- [Grant Opportunity: Ocean-Based Climate Resilience](#)  
NOAA National Ocean Service / **Applications due 11 September 2023.**
- [ESTCP FY 2024 Supplemental Solicitation: Climate Resilient Tools and Technologies](#)

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Journal of the Acoustical Society of America. **Submissions due 30 June 2024.**

Dear CSN Members,

Below is the climate security update for this week including a special section of imagery of recent global weather and climate related events from NASA's Earth Observatory.

Hope everyone has a good weekend.

Kristen

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## NPS Climate & Security Network Weekly Update: 8 September 2023

### Special Section: Recent Images from NASA's Earth Observatory

- [Storm Drenches Spain](#), 4 September 2023
- [Typhoon Saola Swipes China's Coast](#), 1 September 2023
- [Idalia Spawns Major Winds](#), 30 August 2023
- [Heat Dome Descends on Central U.S.](#), 23 August 2023
- [Atmospheric Rivers Swamp Central Chile](#), 21 August 2023
- [Panama Canal Traffic Back-up](#), 18 August 2023

### NEWS

- [Hurricane Lee intensifies at "exceptional rate" into Category 5 storm](#)  
7 September 2023, Axios
- [At Africa's First Climate Summit, A Clear Call to the World: Invest in Us](#)  
6 September 2023, The New York Times
- [Why the Arctic Is Being Threatened by War and Climate Change](#)  
6 September 2023, The Washington Post
- [Deputy SECDEF: Military Impacted by Climate Change](#)  
6 September 2023, The National Guard Association of the U.S.
- [5 issues to watch as Congress wrestles with the NDAA](#)  
6 September 2023, E&E News
- [Study suggests energy-efficient route to capturing and converting CO2](#)  
6 September 2023, MIT News
- [Sea ice is shrinking. These maps show by how much](#)  
6 September 2023, The Christian Science Monitor
- [12 Energy Dilemmas the World Needs to Address](#)  
6 September 2023, Worth
- [Ukraine's Environment Is a Victim of Russian Geopolitics. \(Again.\)](#)  
5 September 2023, New Security Beat

- [US Foreign Policy Has an Extinction Agenda](#)  
5 September 2023, Foreign Policy
- [Summer 2023: the hottest on record](#)  
5 September 2023, Copernicus Climate Change Service
- [Maui After Fire Illustrates Need to Plan for Longer-Term Disaster Displacement](#)  
5 September 2023, Just Security
- [Of Course EVs Are Appropriate For The Military!](#)  
4 September 2023, Clean Technica
- [Canadian army needs dedicated climate disaster force, says former top soldier](#)  
4 September 2023, CBC News (Canada)
- [There's a Battle Over Carbon Emerging from the War in Ukraine](#)  
3 September 2023, Politico
- [Climate change withering China's food security](#)  
2 September 2023, Asia Times
- [Powered by wind, the \\$10B transmission line will carry more energy than the Hoover Dam](#)  
1 September 2023, AP News
- [DOD Supports Hawaii as Officials Plan Long-Term Recovery](#)  
1 September 2023, Department of Defense Release
- [Oklo Tentatively Selected to Provide Clean and Resilient Power to Eielson Air Force Base](#)  
31 August 2023, Business Wire

## REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Briefing Paper:** [US-EU Climate Change Industrial Policy](#)  
Finish Institute of International Affairs, August 2023
- **Brief:** [For North American Energy Security, Go Local](#)  
Center for Strategic & International Studies, August 2023
- **Belfer Center Policy Briefs, August 2023:**
  - [The Arctic Warning: Climate-related Challenges for Community Health](#)
  - [Infrastructure Challenges in the Alaskan Arctic](#)
  - [Climate Change Adaptation Issues for Arctic and Sub-Arctic Cities](#)
- **Podcast:** [Capturing methane before it warms the climate](#)  
MIT Energy Reads, 6 September 2023
- **Podcast:** [Connecting Climate, Energy and Security with Kate Gordon](#)  
Georgetown University Security Studies Review, 5 September 2023

- **Report: [Accounting for Climate Resilience in Infrastructure Investment Decisionmaking: A Data-Driven Approach for Department of the Air Force Project Prioritization](#)**  
RAND, August 2023
- **Report: [Perspective: Enabling Factors for Achieving U.S. Army Microgrid Goals](#)**  
American Security Project, September 2023
- **Report: [Accelerating Adaptation Finance – Africa and Global Perspectives](#)**  
Climate Policy Initiative, September 2023
- **Report: [Top European Energy Security Priorities for the Second Half of 2023](#)**  
Center for European Policy Analysis, August 2023
- **Working Paper: [The Rough Road to Services and Livelihood Opportunities in Rural Haiti and the Added Impact of Natural Disasters](#)**  
World Bank Group, August 2023
- **Working Paper: [Does Food Insecurity Hinder Migration? Experimental Evidence from the Indian Public Distribution System](#)**  
World Bank Group, August 2023
- **Brief: [EU-Ukraine solidarity lanes: Lifeline for Ukrainian economy, key for global food security](#)**  
August 2023

## EVENTS

- **[5<sup>th</sup> Annual ESG and Climate Risk Week](#)**  
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14-16 May 2024 / Saint Paul, MN  
EcoAdapt and American Society of Adaptation Professionals

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Dear CSN Members,

Below is the climate security update for this week including a special section on the flooding in Libya and the United Nations 'global stocktake' on climate change.

Hope everyone has a good weekend.

Kristen

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## NPS Climate & Security Network Weekly Update: 15 September 2023

### Special Section: Floods in Libya

- World Meteorological Organization: [Libya floods show need for multi-hazard early warnings, unified response](#)
- Grist: [How climate change contributed to the staggering flood death toll in Libya](#)
- New York Times: [More Than 5,000 Dead in Libya as Collapsed Dams Worsen Flood Disaster](#)
- Relief Web: [The Libya floods: a climate and infrastructure catastrophe](#)
- The Guardian: [Libya's floods are result of climate crisis meeting a failed state](#)

### Special Section: United Nations Global Stocktake on Climate Change

- UN Report: [Technical Dialogue of the first global stocktake](#)
- UN Release: [Window to reach climate goals 'rapidly closing', UN report warns](#)
- Vox: [The world's brutal climate change report card, explained](#)
- Reuters: [What is the world's first 'global stocktake' on climate change?](#)
- BBC: [Climate change: UN calls for radical changes to stem warning](#)
- The Verge: [The world's first climate change report card is in](#)
- Forbes: [U.N. Releases Paris Agreement Climate Analysis Ahead of COP28](#)

### NEWS

- [Global air, ocean temperature records shattered in August](#)  
15 September 2023, Axios
- [Climate change displacement: 'One of the defining challenges'](#)  
15 September 2023, Al Jazeera
- [Reducing US oil demand, not production, is the way forward for the climate](#)  
14 September 2023, Brookings
- [Tyndall AFB to climate change: Bring it](#)  
13 September 2023, E&E News
- [7 ways to bolster food security in the face of climate change](#)  
13 September 2023, World Economic Forum

- [How a strike imperils Detroit's drive to EVs](#)  
14 September 2023, E&E News
- [CCS Input on the First National Nature Assessment](#)  
12 September 2023, Center for Climate & Security
- [Department of Defense Enters an Agreement to Strengthen the U.S. Supply Chain for Nickel Production](#)  
12 September 2023, Department of Defense Release
- [Developing climate-resilient and peaceful societies through evidence-informed training on effective programming](#)  
12 September 2023, United Nations System Staff College
- [A look inside the plan to store carbon at the bottom of the Black Sea](#)  
12 September 2023, Grist
- [Island states seek climate protection from Law of the Sea](#)  
11 September 2023, Reuters
- [NATO updates environmental security plans](#)  
11 September 2023, Security Magazine
- [Global climate ambition gets fresh boost, as world lags on Paris Agreement goals](#)  
11 September 2023, Axios
- [China Sows Disinformation About Hawaii Fires Using New Techniques](#)  
11 September 2023, The New York Times
- [Climate Adaptation at COP28: Eyes on the Middle East](#)  
11 September 2023, New Security Beat
- [2023 has already broken the US record for billion-dollar climate disasters](#)  
11 September 2023, Grist
- [Europe's Dilemma Over Climate Action And Energy Security](#)  
10 September 2023, Eurasia Review
- [Extremists keep trying to trigger mass blackouts – and that's not even the scariest part](#)  
10 September 2023, Politico
- [Europe's dilemma over climate action and energy security](#)  
9 September 2023, Arab News
- [Rising Global Temps Could Cut C-17 Payloads, New Study Warns](#)  
8 September 2023, Air & Space Forces Magazine
- [Our environmental laws are failing us in the face of the climate crisis](#)  
8 September 2023, The Guardian
- [World meteorologists point to 'vicious cycle' of heatwaves and air pollution](#)  
6 September 2023, The Guardian
- [How Will Ukraine's Energy Sector Fare in the Upcoming Winter?](#)  
5 September 2023, Wilson Center

- [California's wildfire smoke and climate change: 4 things to know](#)  
5 September 2023, Cal Matters
- [U.S. Army Corps of Engineers: Prioritizing Electric Vehicle Charging Station Projects](#)  
September 2023, Federal Emergency Management Program Release
- [Science Academies Urge Action by G20 Nations on Clean Energy, Universal and Holistic Health, and Connections Between Science and Culture](#)  
28 August 2023, National Academy of Sciences

## REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Document:** [G20 New Delhi Leaders' Declaration](#)  
G20 Summit, September 2023
- **Podcast:** [Rethinking Economic Growth, Wealth, and Health](#)  
Climate One, 8 September 2023
- **Articles from Nature Climate Change:**
  - [Reflecting on AR6](#), 4 September 2023
  - [Envisioning a future with climate change](#), 4 September 2023
  - [Three institutional pathways to envision the future of the IPCC](#), 4 September 2023
- **Monthly Report:** [August 2023 Global Climate Report](#)  
National Centers for Environmental Information, 14 September 2023
- **Article:** [Earth beyond six of nine planetary boundaries](#)  
Science Advances, 13 September 2023
- **Report:** [Office of the Special Presidential Envoy for Climate](#)  
Congressional Research Service, 7 September 2023
- **Podcast:** [The Nuclear Option](#)  
Climate One, 15 September 2023
- **Policy Briefing:** [Maintaining Momentum for the Ocean-Climate Nexus in 2023](#)  
South African Institute of International Affairs, August 2023
- **Podcast:** [ICYMI: Climate Risks to National Security](#)  
The Buzz, September 2023
- **Reports from Overseas Development Institute:**
  - [A fair share of climate finance? The adaptation edition](#), September 2023
  - [Barriers to addressing climate change-related losses and damages in low- and middle-income countries](#), August 2023
- **Report:** [Inflection Point: The Challenges Facing Latin America and U.S. Policy in the Region](#)  
Center for Strategic & International Studies, 7 September 2023
- **Report:** [State of the Climate in 2022](#)  
American Meteorological Society, 9 September 2023

- **Related Report: [Highlights from State of the Climate 2022](#)**  
NOAA National Centers for Environmental Information, September 2023
- **Report: [Elevating ESG: Empirical Lessons on Environmental, Social and Governance Implementation of Chinese Projects in Africa](#)**  
Boston University Global Development Policy Center, August 2023
- **Audio Interview: [‘Missing in action’: Former Defence chief says government lacking over climate change](#)**  
SBS News (Australia), 13 September 2023
- **Paper: [Examining the Energy Transition Through the Lens of Great Power Competition](#)**  
Lawrence Livermore National Laboratory, August 2023
- **Paper: [Existing and Emerging Topics and Potential Priorities for the Safety and Security of the Maritime Environment](#)**  
RAND, August 2023

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19 September 2023 / 3 – 4:30 pm ET / New York, NY  
Wilson Center Latin America Program
- **[Workshop on Resilience of Navy Waterfront Facilities in a Changing Climate](#)**  
19-20 September 2023 / Annapolis, MD  
American Society of Civil Engineers  
*This is an invitation-only workshop; to attend, contact Tom Chase at [tchase@asce.org](mailto:tchase@asce.org).*
- **[NEW] [The Arctic: Our planet on thin ice](#)**  
20 September 2023 / 7:30 pm ET / 4:30 pm PT / Virtual  
Woods Hole Oceanographic Institution
- **Global Water Challenge**  
20-21 September 2023 / Oak Ridge, TN  
Oak Ridge National Laboratory Climate Security Workshop Series  
For details and registration, [email Dr. Carter Christopher](#).
- **[Climate Security Risks in Iran and Turkey](#)**  
27 September 2023 / 12:30 – 1:30 pm ET / Washington DC  
Center for Climate & Security and Woodwell Climate Research Center
- **[Climate Conversations: The Macroeconomy](#)**  
27 September 2023 / 3 – 4:15 pm ET / 12 – 1:15 pm PT / Virtual

National Academies of Sciences, Engineering and Medicine

- [\*\*Clean Cars and National Security: The Importance of Increased Electrification and Strong Standards\*\*](#)  
28 September 2023 / 9 – 10:30 am ET / Washington, D.C.  
American Security Project
- [\*\*The Role of Advanced Nuclear Technologies in the Maritime Energy Transition\*\*](#)  
28 September 2023 / 9 am – 6:30 pm ET / Washington DC  
American Bureau of Shipping
- [\*\*The Dynamics of Climate and the Macroeconomy: A Workshop\*\*](#)  
3-4 October 2023 / Washington, DC & Virtual  
National Academies of Sciences, Engineering and Medicine
- [\*\*Climate Change & Security\*\*](#)  
3-5 October 2023 / Lerici, Italy  
NATO Science & Technology Organization Centre for Maritime Research and Experimentation
- [\*\*ARSET – Transforming Earth Observation \(EO\) Data into Building Infrastructure Data Sets for Disaster Risk Modeling\*\*](#)  
3-10 October 2023 / Virtual  
NASA
- [\*\*Berlin Climate and Security Conference\*\*](#)  
6 October 2023 / Berlin, Germany  
adelphi, Germany Federal Foreign Office, and Climate Diplomacy
- [\*\*Atmospheric Methane Removal: Needs, Challenges and Opportunities\*\*](#)  
17-18 October 2023 / Washington, DC and Virtual  
National Academies of Sciences, Engineering, and Medicine
- [\*\*2023 Federal Environmental Symposium\*\*](#)  
23-27 October 2023 / Bethesda, MD  
National Institutes of Health
- [\*\*\[NEW\] What Is Sustainable Science, and How Can We Green Our Labs?\*\*](#)  
8 November 2023 / 2 – 3 pm ET / 11 am – Noon PT / Virtual  
The Association for the Advancement of Sustainability in Higher Education
- [\*\*Transportation Resilience 2023: International Conference on Extreme Weather and Climate Change Challenges\*\*](#)  
13-15 November 2023 / Washington, DC  
National Academies of Sciences, Engineering, and Medicine and the Transportation Research Board
- [\*\*DOD Energy & Environment Innovation Symposium\*\*](#)  
28 November – 1 December 2023 / Arlington, VA  
Strategic Environmental Research and Development Program (SERDP) and Environmental Security Technology Certification Program (ESTCP)

- [AGU 2023 / American Geophysical Union Fall Meeting](#)  
11-15 December 2023 / San Francisco, CA & Virtual  
American Geophysical Union
- [Twentieth International Conference on Environmental, Cultural, Economic & Social Sustainability](#)  
24-26 January 2024 / Aveiro, Portugal & Virtual  
University of Aveiro (Portugal)
- [World Ocean Summit & Expo](#)  
11-13 March 2024 / Lisbon, Portugal  
World Ocean Initiative, The Economist Group
- [6<sup>th</sup> National Adaptation Forum](#)  
14-16 May 2024 / Saint Paul, MN  
EcoAdapt and American Society of Adaptation Professionals

## OPPORTUNITIES

- [\[NEW\] Request for Public Comments: Draft Prospectus for the First National Nature Assessment](#)  
Department of the Interior / **Comments due 18 September 2023.**
- [Call for Experts: Developing a Strategy to Evaluate the National Climate Assessment](#)  
National Academies of Sciences, Engineering and Medicine / **Submissions due 29 September 2023.**
- [Call for Papers: Academia Environmental Sciences and Sustainability](#)  
**Papers due 1 October 2023.**
- [Call for Papers: Pathways to Sustainability Innovation: Perspectives from Civil Society, Government and Business](#)  
On Sustainability Research Network / **Proposals due 14 October 2023.**
- [Call for Input: Atmospheric Methane Removal: Technical Input](#)  
National Academies of Sciences, Engineering and Medicine / **Input due 31 October 2023.**
- [Call for Proposals: Operational Energy Management System](#)  
**Aviation and Space Efficiencies proposals due 1 November 2023.**  
**Ground Vehicle and Hybridization proposals due 2 February 2024.**
- [Grant Opportunity: FY2024 Weather Program Office Research Programs](#)  
NOAA / **Applications due 16 November 2023.**
- [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.**

Dear CSN Members,

Below is the climate security update for this week including a special section on Climate Week NYC and the U.N. General Assembly meeting which coincided this week.

Also, I'm pleased to share that the Center for Homeland Defense and Security (CHDS) at NPS has released a [Climate Change Self-Study Course](#). I was honored to work on this with Research Professor Emeritus Tom Murphree and the CHDS staff. Modules include climate science, law & policy, and 3 case studies.

*Note:* You need to set up a CHDS profile to access the self-study course. It's a fairly simple process to set up especially if you have an official email address (gov, mil, dod, edu, etc.); [click here](#) to set up a profile.

Hope everyone has a good weekend.

Kristen

Kristen M Fletcher  
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[Energy Academic Group](#) | [Climate & Security Network](#)  
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[kristen.fletcher@nps.edu](mailto:kristen.fletcher@nps.edu)

## NPS Climate & Security Network Weekly Update: 22 September 2023

### Special Section: Climate Week NYC & UN General Assembly

- Website: [Climate Week NYC](#)
- Navy Release: [Assistant Secretary of the Navy Berger kicks off Climate Week NYC with JROTC Students at Intrepid Sea, Air and Space Museum](#)
- Video: [Climate Week NYC 2023: Assistant Secretary of the Navy Meredith Berger](#)
- AP News: [Special UN Summit, protests, week of talk turn up heat on fossil fuels and global warming](#)
- The New York Times: [At a Summit on Climate Ambition, the U.S. and China End Up on the B List](#)
- Axios: [In a shift, fossil fuels take center stage at UN Climate Summit](#)
- Reuters: [Climate takes center stage at UN as global temperatures hit record](#)
- Al Jazeera: [UN Sustainable Development Goals in spotlight at General Assembly](#)
- Just Security: [Tracking UNGA 78: Notable Moments and Key Themes](#)
- Forbes: [UK Makes Climate U-Turn As UNGA Focuses on Ambition](#)

### NEWS

- [Rising Seas Imperil US Sites, Military Bases Worth \\$387 Billion](#)  
21 September 2023, Bloomberg Law
- [The Era of Climate Migration Is Here, Leaders of Vulnerable Nations Say](#)  
21 September 2023, Inside Climate News
- [Israel and US sign 5-year MOU on environmental and climate cooperation](#)  
19 September 2023, The Jerusalem Post

- [China's huge coal plant building has weird climate logic](#)  
19 September 2023, Reuters
- [Climate change played major role in Libya floods](#)  
19 September 2023, BBC News
- [The other culprit in Libya's floods](#)  
19 September 2023, Al Jazeera
- [China and the US: a Renewable Energy Battle in the Global South](#)  
18 September 2023, American Security Project
- [Shifting the Climate Security Narratives: How the Department of Defense Can Lead](#)  
18 September 2023, New Security Beat
- [These Workers Toiling in 120-Degree Heat Are on Front Lines of Climate Change](#)  
17 September 2023, The Wall Street Journal
- [Kings Bay nuclear submarine hub dodged a bullet named Hurricane Idalia](#)  
15 September 2023, Bulletin of the Atomic Scientists
- [DOD taps X-energy to develop enhanced design for transportable micro nuclear reactor](#)  
15 September 2023, Utility Dive
- [How AI Is Helping Big Fleet Operators Cut Greenhouse Gas Emissions](#)  
15 September 2023, Forbes
- [The future of coastal erosion](#)  
15 September 2023, Stanford Engineering
- [Tracking US progress on the path to a decarbonized economy](#)  
15 September 2023, MIT News
- ['The Moose' and Other Military Planes May Have to Cut Cargo as Planet Warms](#)  
14 September 2023, E&E News
- [Stefanishyna proposed convening Ukraine-NATO Council on energy security](#)  
14 September 2023, Ukrinform
- ['Getting a handle' on a potent climate threat](#)  
14 September 2023, Stanford Woods Institute for the Environment
- [Climate change takes habitat from big fish, the ocean's key predators](#)  
14 September 2023, ABC News
- [NREL Researchers Reveal How Buildings Across United States Do – and Could – Use Energy](#)  
14 September 2023, National Renewable Energy Laboratory
- [A remote Air Force base in Alaska is getting its own nuclear reactor](#)  
13 September 2023, Popular Science

- [ADF's fighting ability could be 'degraded' by burden of responding to natural disasters, inquiry says](#)  
13 September 2023, The Guardian
- [Island Nations Hope for Court's Help on Climate's Effects](#)  
11 September 2023, The New York Times
- ['We Come Here Seeking Urgent Help': Vulnerable Islands Want Climate Pollution Covered by Ocean Treaty](#)  
11 September 2023, Common Dreams
- [As the Colorado River Declines, Some Upstream Look to Use it Before They Lose it](#)  
10 September 2023, Inside Climate News
- [POWER Program Selects Teams To Design Power Beaming Rays](#)  
7 September 2023, DARPA Release (Defense Advanced Research Projects Agency)

#### REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Report:** [Offshore Wind Transmission Development in the U.S. Atlantic Region](#)  
U.S. Department of Energy, September 2023
- **Report:** [Addressing the Interlinkages between Climate Change and Human Security: An Analysis of the 2015-2023 UN Agreed Language on the Interlinkages between Climate Change, Peace and Security](#)  
Relief Web, 16 September 2023
- **Monthly Update:** [August 2023 Update: Military Responses to Climate Hazards \(MiRCH\) Tracker](#)  
Center for Climate and Security, 18 September 2023
- **Online Book:** [Mapping the Nation: Taking Climate Action](#)  
ESRI Press, September 2023
- **Report:** [Pragmatic Peacebuilding for Climate Change Adaptation in Cities](#)  
United States Institute of Peace, September 2023
- **Report:** [Homeland Threat Assessment](#)  
Office of Intelligence and Analysis, September 2023  
*See page 27 for a page on Climate Change as a Compound Threat.*
- **Policy Brief:** [The Arctic is Hot: Addressing the Social and Environmental Implications](#)  
Swedish Foundation for Strategic Environmental Research, September 2023
- **Briefing Paper:** [Climate Change and Security: Preparing for Different Impacts](#)  
Finnish Institute of International Affairs, September 2023
- **Podcast:** [Halfway to 2030, are the SDGs still relevant?](#)  
Overseas Development Institute, 15 September 2023
- **Report:** [Gas Crisis in Europe: A Harbinger of Sustainable Cooperation with North Africa](#)  
Istituto Affari Internazionali, September 2023

- **Research Paper:** [The consequences of Russia's war on Ukraine for climate action, food supply and energy security](#)  
Chatham House, 13 September 2023
- **Report:** [Climate and Security in the Middle East and North Africa](#)  
Congressional Research Service, 13 September 2023
- **Online Resource:** [Climate change mitigation: reducing emissions](#)  
European Environment Agency, 15 September 2023
- **Video:** [Summit: Accelerating US-Emerging Market Clean Energy Partnerships](#)  
Atlantic Council, September 2023
- **Radio Show:** [Puerto Rico hopes solar project will secure electric grid for future hurricanes](#)  
NPR, 17 September 2023
- **Article:** [Digitizing weather observations from World War II naval ship logbooks](#)  
Geoscience Data Journal, 18 September 2023
- **Storymaps:** [New Analysis of Climate Security Risks in Iran and Turkiye](#)  
Center for Climate & Security, 14 September 2023
- **Tool:** [Climate Adaptation Strategies for National Critical Functions](#)  
RAND, September 2023
- **Article:** [Marine biodiversity exposed to prolonged and intense subsurface heatwaves](#)  
Nature Climate Change, 18 September 2023
- **Game:** [Ecological Risk in a Future Southeast Asia: An Ecological Security Policy Game](#)  
Council on Strategic Risks, September 2023

## EVENTS

- [Climate Security Risks in Iran and Turkey](#)  
27 September 2023 / 12:30 – 1:30 pm ET / Washington DC  
Center for Climate & Security and Woodwell Climate Research Center
- [Climate Conversations: The Macroeconomy](#)  
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- [Clean Cars and National Security: The Importance of Increased Electrification and Strong Standards](#)  
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American Security Project
- [The Role of Advanced Nuclear Technologies in the Maritime Energy Transition](#)  
28 September 2023 / 9 am – 6:30 pm ET / Washington DC  
American Bureau of Shipping
- **[NEW]** [The Latest on the Clean Energy Tax Incentives in the Inflation Reduction Act](#)  
28 September 2023 / 2 – 3:30 pm ET / 11 am – 12:30 pm PT / Washington DC & Virtual

Environmental and Energy Study Institute

- **[\[NEW\] 3<sup>rd</sup> Annual Sustainability Week: Countdown to COP28](#)**  
2-5 October 2023 / London, UK and Virtual  
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- **[The Dynamics of Climate and the Macroeconomy: A Workshop](#)**  
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3-5 October 2023 / Lerici, Italy  
NATO Science & Technology Organization Centre for Maritime Research and Experimentation
- **[\[NEW\] Wildfire Risk Reduction, Carbon Dioxide Removal and Biochar: The Challenges of Scaling Up](#)**  
4 October 2023 / Virtual  
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- **[ARSET – Transforming Earth Observation \(EO\) Data into Building Infrastructure Data Sets for Disaster Risk Modeling](#)**  
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adelphi, Germany Federal Foreign Office, and Climate Diplomacy
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Brookings
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28 November – 1 December 2023 / Arlington, VA

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University of Aveiro (Portugal)
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- [6<sup>th</sup> National Adaptation Forum](#)  
14-16 May 2024 / Saint Paul, MN  
EcoAdapt and American Society of Adaptation Professionals

#### OPPORTUNITIES

- [Call for Experts: Developing a Strategy to Evaluate the National Climate Assessment](#)  
National Academies of Sciences, Engineering and Medicine / **Submissions due 29 September 2023.**
- [Call for Papers: Academia Environmental Sciences and Sustainability](#)  
**Papers due 1 October 2023.**
- [\[NEW\] Request for Proposals: Greenhouse Gas Removal Solutions](#)  
Stanford Doerr School Sustainability Accelerator / **Letter of Intent due 6 October 2023.**  
**Proposals due 6 November 2023.**
- [Call for Papers: Pathways to Sustainability Innovation: Perspectives from Civil Society, Government and Business](#)  
On Sustainability Research Network / **Proposals due 14 October 2023.**
- [Call for Input: Atmospheric Methane Removal: Technical Input](#)  
National Academies of Sciences, Engineering and Medicine / **Input due 31 October 2023.**
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**Ground Vehicle and Hybridization proposals due 2 February 2024.**
- [Grant Opportunity: FY2024 Weather Program Office Research Programs](#)  
NOAA / **Applications due 16 November 2023.**
- [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.**

Dear CSN Members,

Below is the climate security update for this week including a special section on impacts of the U.S. government shutdown on climate efforts.

Speaking of the shutdown, as a DoD civilian, I am restricted from working, even on a volunteer basis, during the shutdown; this means I am restricted from using email and thus, cannot send out the weekly email. Once the shutdown is complete, I will resume issuance of the weekly email. Apologies for the interruption.

Hope everyone has a good weekend.

Kristen

Kristen M Fletcher  
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[kristen.fletcher@nps.edu](mailto:kristen.fletcher@nps.edu)

## NPS Climate & Security Network Weekly Update: 29 September 2023

### Special Section: Perspectives on the U.S. Government Shutdown and Climate

- Grist: [Disaster recovery projects stall nationwide as FEMA runs out of money](#)
- Bloomberg: [How a Government Shutdown Would Slow US Climate Efforts](#)
- E&E News: [Shutdown won't freeze work on climate law](#)
- Axios: [Shutdown's energy transition impacts](#)
- Scientific American: [Government Shutdown Could Delay Climate Action](#)

And for those of you who follow Alaskan bears before hibernation...

- The Hill: [Alaska rangers monitoring Fat Bear Week face furlough in government shutdown](#)

### NEWS

- [Dianne Feinstein dies, leaving a complicated legacy on climate issues](#)  
29 September 2023, Grist
- [After the Flood](#)  
29 September 2023, Grist
- [Biden shows his cards on offshore drilling](#)  
29 September 2023, Axios
- [China's Belt and Road Initiative: Powering a Low or High Carbon Future?](#)  
28 September 2023, New Security Beat
- [This Summer Previewed the Security Threats of Climate Change: The U.S. Needs to Do More](#)  
28 September 2023, Just Security
- [US warns green transition raises 'complex' China security concerns](#)

28 September 2023, Financial Times

- [Climate Mitigation: Moving Beyond National Action to International Action](#)  
27 September 2023, Just Security
- [Military Educators Converge on New Workshop Series to Discuss Resilience in Evolving Climate, Security Environment](#)  
26 September 2023, U.S. Department of Defense Release
- [Three Climate Issues to Watch in Defense Bills this Fall](#)  
26 September 2023, Center for Climate & Security
- [Joby Aviation delivers first electric air taxi to Air Force for testing](#)  
26 September 2023, Breaking Defense
- [New Study Definitively Confirms Gulf Stream Weakening](#)  
25 September 2023, Woods Hole Oceanographic Institution
- [Climate change and El Niño battle it out this hurricane season](#)  
25 September 2023, The Boston Globe
- [Green buildings face a flood of doubts](#)  
25 September 2023, Politico
- [Climate Change, Chinese and Russian Military Activity Increase Risk in the Arctic](#)  
25 September 2023, Homeland Security Today
- [Biden vows to help Pacific islands on climate change and security](#)  
25 September 2023, The National News
- [Air Force breaks ground on first electric aircraft charging station](#)  
24 September 2023, Dayton Daily News
- [Energy Transformation: How Supply Chain Leaders Can Turn Risk Into Opportunity](#)  
22 September 2023, Forbes
- [The Climate Ambition Summit Was Notably Unambitious, Advocates Say](#)  
22 September 2023, Inside Climate News
- [Predicting the sustainability of a future hydrogen economy](#)  
21 September 2023, Carnegie Science
- [State, federal funding fuels expansion of Minnesota microgrid research center](#)  
20 September 2023, Energy News Network
- [In Miami, It's No Coincidence Marginalized Neighborhoods Are Hotter](#)  
18 September 2023, Inside Climate News

## REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Fact Sheet:** [Biden-Harris Administration Hosts First-Ever White House Climate Resilience Summit and Releases National Climate Resilience Framework](#)  
The White House, 28 September 2023
  - [National Climate Resilience Framework](#)

The White House, September 2023

- **Fact Sheet: [Biden-Harris Administration Announces New Actions to Reduce Greenhouse Gas Emissions and Combat the Climate Crisis](#)**  
The White House, 21 September 2023
- **Report: [Net Zero Roadmap: A Global Pathway to Keep the 1.5 °C Goal in Reach](#)**  
International Energy Agency, September 2023
- **Video: [Can a court force governments to act on climate change?](#)**  
Al Jazeera, 28 September 2023
- **Article: [Seeing is believing: Climate change graph design and user judgments of credibility, usability, and risk](#)**  
Geosphere, September 2023
- **Report: [The Corporate Climate Finance Playbook](#)**  
Climate Policy Initiative and Salesforce, September 2023
- **Podcast: [U.N. General Assembly Recap](#)**  
Just Security, 29 September 2023
- **Podcast: [National Security This Week with Erin Sikorsky, Director of the Center for Climate and Security](#)**  
KYMN Radio, 27 September 2023
- **Article: [Robust Weakening of the Gulf Stream During the Past Four Decades Observed in the Florida Straits](#)**  
Geophysical Research Letters, 25 September 2023
- **Report: [ON FIRE: The Report of the Wildland Fire Mitigation and Management Commission](#)**  
U.S. Department of Agriculture, September 2023
- **Prediction Model: [Regional Arctic Systems Model Sea Ice Prediction](#)**  
Naval Postgraduate School, 1 September 2023
- **Brief: [Climate, Peace and Security Fact Sheet: Somalia](#)**  
Norwegian Institute of International Affairs and Stockholm International Peace Research Institute, September 2023
- **Article: [A transatlantic energy security strategy must also be a sustainable one](#)**  
Nature Energy, 27 September 2023
- **Issue Brief: [Guarantees 2.0: Meeting Climate Finance Needs in the Global South](#)**  
Atlantic Council, September 2023
- **Article: [Global land and water limits to electrolytic hydrogen production using wind and solar resources](#)**  
Nature Communications, 8 September 2023

## EVENTS

- **[3<sup>rd</sup> Annual Sustainability Week: Countdown to COP28](#)**

- 2-5 October 2023 / London, UK and Virtual  
The Economist and partners
- **[NEW] [Green Transition Summit](#)**  
2 October 2023 / 2 – 5 pm ET / Washington DC  
Green Transition Initiative, Embassy of Sweden, and Atlantic Council
  - **[NEW] [The Frontiers Project Meeting: Anchorage, Alaska](#)**  
3 October 2023 / 1:30 pm ET / 10:30 am PT / Virtual  
Atlantic Council
  - **[NEW] [Fragmenting commodity markets: Geopolitics and the impact on food security and the clean energy transition](#)**  
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6 October 2023 / Berlin, Germany  
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  - **[NEW] [Exploring Blue Carbon](#)**  
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  - **[One year later: The Inflation Reduction Act and climate progress](#)**  
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Brookings
  - **[NEW] [Innovations in Weather Intelligence to Tackle Extreme Weather](#)**  
12 October 2023 / 2 – 3:30 pm ET / 11 am – 12:30 pm PT / Washington, DC and Virtual

Environmental and Energy Study Institute

- **[\[NEW\] Accelerating Decarbonization in the United States: Technology, Policy and Societal Dimensions: Report Release Webinar](#)**  
17 October 2023 / 12:00 – 1:15 pm ET / 9 – 10:15 am PT / Virtual  
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- **[6<sup>th</sup> National Adaptation Forum](#)**  
14-16 May 2024 / Saint Paul, MN  
EcoAdapt and American Society of Adaptation Professionals
- **[\[NEW\] Climate Leadership Conference](#)**  
21-23 May 2023 / Cleveland, OH  
The Climate Registry and partners

## OPPORTUNITIES

- **[\[NEW\] Call for Experts: Developing and Assessing Ideas for Social and Behavioral Research to Speed Efficient and Equitable Industrial Decarbonization](#)**  
National Academies of Sciences, Engineering and Medicine / **Nominations due 1 October 2023.**
- **[Request for Proposals: Greenhouse Gas Removal Solutions](#)**  
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