

Dear CSN Members,

Hope everyone is enjoying a nice start to 2022! Below are updates from the last week in the climate and security world. Have a great weekend,

Kristen

NPS Climate & Security Network Weekly Update: 7 January 2022

NEWS

- [**Building Community Climate Resilience with Compound-Flood Modeling Tools**](#)
Homeland Security Today, 7 January 2022
- [**New defense strategy may be ‘incremental,’ but crux is implementation: Ex-officials**](#)
Breaking Defense, 7 January 2022
- [**Why big financial firms are scooping up climate modeling companies**](#)
Axois, 7 January 2022
- [**Working with China on Climate is ‘Most Important Element’ of the Decade, NSC Official Says**](#)
Defense One, 6 January 2022
- [**DOE Awards \\$35 Million to Small Businesses Pursuing Clean Energy and Climate Solutions**](#)
Department of Energy Release, 6 January 2022
- [**The country’s biggest solar farm is coming o one of the coal-friendliest states**](#)
Grist, 5 January 2022
- [**When Climate Change Meets Geopolitics**](#)
New Security Beat, 4 January 2022
- [**Mainstreaming Climate Security: The FY22 National Defense Authorization Act**](#)
Center for Climate & Security, 3 January 2022
- [**Merging the Environmental and Security Sectors in Climate Risk Responses**](#)
New Security Beat, 3 January 2022
- [**3 Reasons Nuclear Power Has Returned to the Energy Debate**](#)
Foreign Policy, 3 January 2022

- [Climate change requires a global security rethink](#)
The Hill, 31 December 2021
- [Militaries are among the world's biggest emitters. This general wants them to go green.](#)
Washington Post, 30 December 2021
- [Cost of rebuilding Offutt will be higher than original estimate](#)
Air Force Times, 29 December 2021
- [A cold war in a hotter world: Canada's intelligence sector confronts climate change](#)
CBC News, 28 December 2021

EVENTS

- **[New]** [Innovation as Climate Action: Advances in Weather Forecasting](#)
12 January 2022 / 1100 – 1230 ET / 0800 – 0930 PT
Environmental and Energy Study Institute
- **[New]** [Jumpstarting Demand for Climate Solutions: The First Movers Coalition and US National Security](#)
13 January 2022 / 1000 – 1100 ET / 0700 – 0800 PT
Center for Climate and Security
- **[New]** [Migration and the Security Implications for the EU: Mr. Margaritis Schinas](#)
14 January 2022 / 0900 – 1000 ET / 0600 – 0700 PT
[Zoom Link](#) / Meeting ID: 811 9595 6229 / Passcode: 191286
Climate and Human Security Group, Naval War College
- [Climate Conversations: Ocean Carbon Dioxide Removal](#)
20 January 2022 / 3 – 4 ET / Noon – 1 PT
National Academy of Sciences, Engineering, and Medicine
- [American Meteorological Society 2022 Annual Meeting on Environmental Security](#)
23 – 27 January 2022 / Houston, TX
- [Arctic Frontiers 2022: Pathways Science](#)
31 January – 3 February 2022 / Tromsø, Norway & Online
- [Machine Learning and Artificial Intelligence to Advance Earth System Science](#)
7 – 11 February / Online
National Academy of Sciences, Engineering, and Medicine
- [Combined Naval Address on Climate, Energy & Environment](#)

[featuring Dr. Marshall Shepherd](#)

2 February 2022 / 0930 – 1030 PT

Virtual / Registration info coming in January

The event is open to NPS faculty, students, staff and alumni. We will share a video with the entire CSN membership following the event. Co-sponsored with Naval War College, U.S. Naval Academy, and Marine Corps University.

- **[Climate Risk North America 2022](#)**
15-17 February 2022 / Virtual
The Economist
- **[\[New\] Virtual Conference of the Global Council for Science and the Environment](#)**
8-10 March 2022 / Virtual
Theme: Tipping Points for a Climate Positive Future
- **[2022 Federal Environmental Symposium](#)**
28-31 March 2022 / Webinar
Federal Facilities, Environmental Stewardship & Compliance Assistance Center
- **[Innovations in Climate Resilience Conference](#)**
29-30 March 2022 / Columbus, OH
Battelle

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Article:** **[Climate Security at the UNSC – A Short History](#)**
Climate Security Expert Network, December 2021
- **Research Paper:** **[Technology Pathways Could Help Drive the U.S. West Coast Grid’s Exposure to Hydrometeorological Uncertainty](#)**
AGU, December 2021
- **Fact Sheet:** **[Climate, Environmental and Health Impacts of Fossil Fuels \(2021\)](#)**
Environmental and Energy Study Institute, December 2021
- **Newsletter:** **[Department of the Interior Newswave](#)**
Newsletter of the Ocean, Great Lakes and Coastal Program, Fall 2021

OPPORTUNITIES

- **[National Global Change Research Plan](#)**
The U.S. Global Change Research Program (USGCRP) is seeking public comment on the prospectus for its National Global Change Research Plan (2022-2031). All comments must be input via the **[USGCRP’s Review and Comment System](#)** by 11:59 p.m. ET, on

January 11, 2022 for consideration.

- **[Fifth National Climate Assessment](#)**

In January and February, USGCRP and National Climate Assessment authors will host a series of workshops to solicit feedback on climate change-related issues. The information gathered will help the authors determine topics to cover in their chapters of the Fifth National Climate Assessment.

- **Proposed Rule Comment Period Open: [Federal Acquisition Regulation: Minimizing the Risk of Climate Change in Federal Acquisitions](#)**

DOD, GSA, NASA; comment period open until 13 January 2022

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Kristen

Kristen M Fletcher

Faculty Associate-Research / Naval Postgraduate School

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

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kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 14 January 2022

NEWS

- [**The Climate Footprint of Plastics and the Need for a Global Solution**](#)
New Security Beat, 13 January 2022
- [**States of Emergency: Climate Change Risks to U.S. Military Installations in 2021**](#)
Center for Climate & Security, 13 January 2022
- [**Unless Biden Acts Now, His Nuclear Policy Will Look a Lot Like Trump's**](#)
Defense One, 13 January 2022
- [**The growing resistance to Biden's 'smart' border – and what it means for climate refugees**](#)
Grist/Fix, 13 January 2022
- [**US laws out case against 'unlawful' China maritime claims**](#)
France 24, 13 January 2022
- [**Military, Security Agencies Must Step Up on 'Disruptive Impact' of Climate Change, Ex-Advisor Warns**](#)
The Energy Mix, 12 January 2022
- [**Canada's Navy Returns to Arctic After Long Absence**](#)
VOA, 12 January 2022
- [**Biden officials announce clean energy plans**](#)
The Hill, 12 January 2022
- [**Department of Homeland Security Announces Climate Change Professionals Program**](#)
DHS Release, 12 January 2022

- [The cost of climate catastrophe](#)
Politico, 11 January 2022
- ['We must do our part to mitigate climate change' – The military's pollution problem](#)
Military Times, 9 January 2022
- [Is Nuclear Power Part of the Climate Solution?](#)
Wall Street Journal, 7 January 2022
- [DoD Doubles Down on Links Between Climate Change and National Security](#)
Mondaq, 29 December 2021

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Report:** [The Global Risks Report 2022](#)
World Economic Forum, January 2022
- **Report:** [Top Risks 2022](#)
Eurasia First, January 2022
- **Report:** [Storage Futures Study: Grid Operational Impacts of Widespread Storage Deployment](#)
National Renewable Energy Laboratory, January 2022
- **Report:** [Assessing the U.S. Climate in 2021](#)
NOAA National Centers for Environmental Information, 10 January 2022
- **Briefer:** [Climate Change and Terrorism: Three Risk Pathways to Consider](#)
Center for Climate & Security, 10 January 2022
- **Podcast:** [The Institutional Dimensions of Climate Policy: A Conversation with Navroz Dubash](#)
Harvard Environmental Economics Program, 7 January 2022
- **Report:** [ESMAP Annual Report 2021](#)
Energy Sector Management Assistance Program, December 2021

EVENTS

- **[New]** [Championing Climate Action in the Federal Workspace with Dr. Katharine Hayhoe](#)
19 January 2022 / 2:00 pm ET / 11:00 am PT

Note: This is the opening event in the Sustainability Speaker Series for the Federal Community. The goal is for Federal employees to hear from leaders and innovators in climate and sustainability in support of [President Biden's Federal Sustainability Plan](#). The primary audience for this webinar series is Federal and military employees. Webinar registration is free; advance registration is required and space is limited.

- [**Climate Conversations: Ocean Carbon Dioxide Removal**](#)
20 January 2022 / 3 – 4 ET / Noon – 1 PT
National Academy of Sciences, Engineering, and Medicine
- [**American Meteorological Society 2022 Annual Meeting on Environmental Security**](#)
23 – 27 January 2022 / Houston, TX
- **[New]** [**2022 Alaska Marine Science Symposium**](#)
24 – 27 January 2022 / Virtual
- [**Arctic Frontiers 2022: Pathways Science**](#)
31 January – 3 February 2022 / Tromsø, Norway & Online
- [**Machine Learning and Artificial Intelligence to Advance Earth System Science**](#)
7 – 11 February 2022 / Online
National Academy of Sciences, Engineering, and Medicine
- [**Combined Naval Address on Climate, Energy & Environment featuring Dr. Marshall Shepherd**](#)
2 February 2022 / 0930 – 1030 PT
Virtual / Register in Advance: <https://nps-edu.zoomgov.com/j/1608437905>
The event is open to NPS faculty, students, staff and alumni. We will share a video with the entire CSN membership following the event. Co-sponsored with Naval War College, U.S. Naval Academy, and Marine Corps University. NPS Faculty interested in joining the Faculty Roundtable from 1030 – 1130 PT following the presentation can contact kristen.fletcher@nps.edu.
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15-17 February 2022 / Virtual
The Economist
- [**Virtual Conference of the Global Council for Science and the Environment**](#)
8-10 March 2022 / Virtual
Theme: Tipping Points for a Climate Positive Future
- [**Global Energy Forum**](#)
28 – 29 March 2022 / UAE and Online
Atlantic Council

- [**2022 Federal Environmental Symposium**](#)
28-31 March 2022 / Webinar
Federal Facilities, Environmental Stewardship & Compliance Assistance Center
- [**Innovations in Climate Resilience Conference**](#)
29-30 March 2022 / Columbus, OH
Battelle

OPPORTUNITIES

- [**BOEM Seeks Public Comment on Draft EA of Northern California Wind Energy Area**](#)
Bureau of Ocean Energy Management, 11 January 2022
Comments due by 10 February 2022
- [**Request for Public Comment on the Annotated Outlines of the Fifth National Climate Assessment**](#)
U.S. Global Change Research Program, 7 January 2022
Comments due by 20 February 2022 / [More info on the NCA5](#)

Dear CSN Members,

Below are updates from the last week in the climate and security world. There's been a lot of news on energy efforts in the last week. Big thanks to those who have shared resources.

Have a great weekend,

Kristen

Kristen M Fletcher

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NPS Climate & Security Network Weekly Update: 21 January 2022

NEWS

- [**Asia on the front line as energy security outranks climate change**](#)
Nikkei Asia, 20 January 2022
- [**Climate security: Israel and Jordan's water-for-energy swap**](#)
DW, 19 January 2022
- [**Langevin pressing on cybersecurity, climate change in final act**](#)
Federal News Network, 19 January 2022
- [**As Climate Change Threatens China, PLA is Missing in Action**](#)
Defense One, 18 January 2022
- [**sCO₂ Turbomachinery Developed for Concentrated Solar Power Plant**](#)
SciTechDaily, 17 January 2022
- [**Nearly half of GDP in cities at risk of disruption from nature loss**](#)
The Hill, 17 January 2022
- [**Climate Migration is Now a Major Geopolitical Risk**](#)
Brink, 16 January 2022
- [**Secretary of Defense Lloyd J. Austen III Redesignates the DoD Chief Sustainability Officer**](#)
DoD Release, 13 January 2022 (see [memo](#))
- [**Details emerge about DOE, FERC grid plans for clean energy**](#)

E&E News, 13 January 2022

- [**BOEM and NOAA Announce Interagency Collaboration to Advance Offshore Wind Energy**](#)
BOEM Release, 12 January 2022
- [**Biden-Harris Administration Races to Deploy Clean Energy that Creates Jobs and Lowers Costs**](#)
White House Fact Sheet, 12 January 2022
- [**Building a Better Grid Initiative to Upgrade and Expand the Nation's Electric Transmission Grid to Support Resilience, Reliability and Decarbonization**](#)
Department of Energy Release, 11 January 2022

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Proceedings:** [**Climate-Resilient Supply Chains**](#)
National Academies, January 2022
- **Article:** [**The effectiveness of nudging: A meta-analysis of choice architecture interventions across behavioral domains**](#)
National Academies, January 2022
- **Event Summary & Video:** [**Jumpstarting Clean Technology for National Security**](#)
Center for Climate & Security, 19 January 2022
- **Report:** [**UK Climate Change Risk Assessment 2022**](#)
United Kingdom, January 2022
- **Report:** [**Climate and Security in the Middle East and North Africa**](#)
Congressional Research Service, 12 January 2022
- **Video:** [**Migration and the Security Implications for the EU**](#)
Naval War College, January 2022
- **Article:** [**Integrated hydrological, power system and economic modelling of climate impacts on electricity demand and cost**](#)
Nature, 6 January 2022
- **Article:** [**Toward a just energy transition: A Distributional analysis of low-carbon policies in the USA**](#)
Energy Economics, January 2022
- **Online Resource:** [**Climate Adaptation Resource Page**](#)

Federal Facilities Stewardship & Compliance Assistance Center, January 2022

- **Report: [Addressing Climate Migration](#)**
RAND, December 2021

EVENTS

- **[American Meteorological Society 2022 Annual Meeting on Environmental Security](#)**
23 – 27 January 2022 / Houston, TX
- **[2022 Alaska Marine Science Symposium](#)**
24 – 27 January 2022 / Virtual
- **[NEW] [Public Diplomacy and Strategic Climate Communication after COP 26](#)**
29 January 2022 / 11:00 am ET / 8:00 am PT
Yale Program on Climate Change Communication
- **[Arctic Frontiers 2022: Pathways Science](#)**
31 January – 3 February 2022 / Tromsø, Norway & Online
- **[Machine Learning and Artificial Intelligence to Advance Earth System Science](#)**
7 – 11 February 2022 / Online
National Academy of Sciences, Engineering, and Medicine
- **[Combined Naval Address on Climate, Energy & Environment featuring Dr. Marshall Shepherd](#)**
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- **[Climate Risk North America 2022](#)**
15-17 February 2022 / Virtual
The Economist
- **[Virtual Conference of the Global Council for Science and the Environment](#)**
8-10 March 2022 / Virtual
Theme: Tipping Points for a Climate Positive Future
- **[Global Energy Forum](#)**
28 – 29 March 2022 / UAE and Online

Atlantic Council

- [**2022 Federal Environmental Symposium**](#)
28-31 March 2022 / Webinar
Federal Facilities, Environmental Stewardship & Compliance Assistance Center
- [**Innovations in Climate Resilience Conference**](#)
29-30 March 2022 / Columbus, OH
Battelle

OPPORTUNITIES

- [**\[NEW\] National Academies Seeks Board Members on Energy and Environmental Systems**](#)
National Academies Board on Energy and Environmental Systems (BEES), January 2022
Nominations due by 24 January 2022
- [**BOEM Seeks Public Comment on Draft EA of Northern California Wind Energy Area**](#)
Bureau of Ocean Energy Management, 11 January 2022
Comments due by 10 February 2022
- [**Request for Public Comment on the Annotated Outlines of the Fifth National Climate Assessment**](#)
U.S. Global Change Research Program, 7 January 2022
Comments due by 20 February 2022 / [More info on the NCA5](#)

Dear CSN Members,

Here is your weekly collection of updates from the last week in the climate and security world, including a highlight of an NPS Student's Award Winning Thesis (under News on 20 January)!

For NPS members: The Office of the Under Secretary of Defense for Research and Engineering is seeking DoD a review on another Intergovernmental Panel on Climate Change (IPCC) review - this time the Government and Expert Review of the fourth and final volume of the Sixth Assessment Report (AR6), the Synthesis Report (SYR). The SYR is composed of two parts: (a) a Summary for Policymakers (SPM) and (b) a longer report. The CSN will consolidate NPS responses. **If you are interested in reviewing the materials and providing comments, email kristen.fletcher@nps.edu and I will send you the documents. Comments due back to me by Friday, 25 February.**

Have a great weekend,

Kristen

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NPS Climate & Security Network Weekly Update: 28 January 2022

NEWS

- [Court Revokes Oil and Gas Leases, Citing Climate Change](#)
The New York Times, 27 January 2022
- [DOE leverages new and existing authorities to spur transmission development key to energy transition](#)
Utility Dive, 27 January 2022
- [As Russia Threatens Ukraine, Europe Scrambles to Secure Gas Supply](#)
The Wall Street Journal, 27 January 2022
- [AEI Panel Warns Against Tying National Security Strategy to Domestic Priorities](#)
USNI News, 27 January 2022
- [To Be Serious About Climate Change, the Pentagon Must Reduce Its Contribution](#)
The Defense Post, 27 January 2022
- [House Democrats to launch three climate task forces](#)
The Washington Post, 26 January 2022
- [Oshkosh Defense announces first hybrid electric JLTV](#)
Breaking Defense, 25 January 2022
- [DHS warns electrical infrastructure an 'attractive target' for domestic extremists](#)
The Hill, 25 January 2022
- [Taking Stock: Integrating Climate Change into U.S. National Security Practices in 2022](#)

Center for Climate & Security, 25 January 2022

- [The Century-Old Renewable You've Never Heard Of](#)
Eos, 24 January 2022
- [European Power Prices Jump on Low Wind, Rising Russia Tensions](#)
Bloomberg, 24 January 2022
- [Germany's Reliance on Russian Gas Limits Europe's Options in Ukraine Crisis](#)
The Wall Street Journal, 23 January 2022
- [Discarded 1990s Energy Invention Makes a Comeback](#)
E&E News, 21 January 2022
- [Utility Meters Help with Garrison Energy Conservation](#)
Army Release, 21 January 2022
- [Five frontier challenges to deep decarbonization](#)
Climate Tech VC, 21 January 2022
- [NPS Student's Award-Winning Thesis Helps Naval Station Newport Prepare for Hurricane](#)
NPS Release, 20 January 2022
- [Heading for a Second Term, Fed Chair Jerome Powell Bucks a Global Trend on Climate Change](#)
Inside Climate News, 16 January 2022

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Podcast:** [On the Verge: Climate, Migration and Security in Central America](#)
Center for Climate & Security, 26 January 2022
- **Podcast:** [Corporate Net Zero Pledges: Ambitious or Empty](#)
Climate One, January 2022
- **Briefer:** [Taking Stock: Integrating Climate Change into U.S. National Security Practices in 2022](#)
Center for Climate & Security, 25 January 2022
- **Report:** [Climate Security in the Bay of Bengal](#)
Planetary Security Initiative, February 2022

EVENTS

- **[NEW]** [EnergySource Innovation Stream with Native Renewables: Advancing clean energy access for Indigenous People](#)
31 January 2022 / 1100 ET / 0800 PT
Atlantic Council
- **[NEW]** [Building the Commercial EV Infrastructure of Tomorrow, Today: Energy, Economics and Policy Considerations](#)
31 January 2022 / 1200 ET / 0900 PT

- **[NEW] [Second International Conference on Environmental Peacebuilding](#)**
1 – 4 February 2022 / Virtual
Environmental Peacebuilding Association
- **[CSN EVENT] [Combined Naval Address on Climate, Energy & Environment featuring Dr. Marshall Shepherd](#)**
2 February 2022 / 0930 – 1030 PT
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- **[NEW] [The Arctic in Transition: Energy, Resilience and National Security](#)**
8 February 2022 / 1200 ET / 0900 PT
Atlantic Council
- **[Climate Risk North America 2022](#)**
15-17 February 2022 / Virtual
The Economist
- **[Virtual Conference of the Global Council for Science and the Environment](#)**
8-10 March 2022 / Virtual / Theme: Tipping Points for a Climate Positive Future
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- **[Innovations in Climate Resilience Conference](#)**
29-30 March 2022 / Columbus, OH
Battelle

OPPORTUNITIES

- **[NEW] [2022 Public Voices Fellowship on the Climate Crisis](#)**
Yale Program on Climate Change Communication
Application deadline 14 February 2022
- **[NEW] [Job Opportunity: Director, PNNL's Joint Global Change Research Institute](#)**
- **[BOEM Seeks Public Comment on Draft EA of Northern California Wind Energy Area](#)**
Bureau of Ocean Energy Management, 11 January 2022
Comments due by 10 February 2022
- **[Request for Public Comment on the Annotated Outlines of the Fifth National Climate Assessment](#)**
U.S. Global Change Research Program, 7 January 2022
Comments due by 20 February 2022 / [More info on the NCA5](#)

Dear CSN Members,

Here is your weekly collection of updates from the last week in the climate and security world, including a highlight of the [CSN COP26 event in November, highlighting NPS Student, Lt. Kionna Miles](#).

My sincerest thanks to everyone who helped execute this week's Combined Naval Address on Climate, Energy and Environment featuring Dr. Marshall Shepherd – especially **Provost Gartner** who opened our event and **our amazing NPS students** who participated in the Q&A. Here are some links related to that event.

- [Combined Naval Address Video](#)
- **Resources noted by Dr. Shepherd:**
 - [Attribution of Extreme Weather Events in the Context of Climate Change](#)
 - [5 Responses a Climate Scientist Received after Buying an Electric Car](#)
 - [Climate change vulnerability assessment in Georgia](#)
 - [Global Warming's Six America's](#)

Reminder for NPS members:

The Office of the Under Secretary of Defense for Research and Engineering is seeking DoD a review of the fourth and final volume of the IPCC Sixth Assessment Report (AR6), the Synthesis Report (SYR). The CSN will consolidate NPS responses. **If you are interested in reviewing the materials and providing comments, email me at kristen.fletcher@nps.edu and I will send you the documents. Comments due back to me by Friday, 25 February.**

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NPS Climate & Security Network Weekly Update: 4 February 2022

NEWS

- [What you need to know about minerals and the clean energy transition](#)
Canary Media, 4 February 2022
- [DoD, GSA Announce RFI to Gather Information for Supplying 24/7 Carbon Pollution-Free Electricity for Federal Government](#)
DoD Release, 3 February 2022
- [DoD Turns to Industry to Meet Carbon Pollution-Free Energy Targets](#)
DoD Release, 3 February 2022

- [Reducing the Environmental and Social Costs of Chinese Investments in Pakistan](#)
New Security Beat, 3 February 2022
- [Biden's climate promises require oil and gas leasing reform](#)
The Hill, 3 February 2022
- [Pentagon developing 'National Defense Science and Technology' Strategy: Memo](#)
Breaking Defense, 2 February 2022
- [EU proposes rules to label some gas and nuclear investments as green](#)
Reuters, 2 February 2022
- [Overwhelmed by solar projects, the nation's largest grid operator seeks a two-year pause on approvals](#)
Pittsburgh Post-Gazette, 2 February 2022
- [For national security, climate finance must be made 'conflict-proof'](#)
The Hill, 2 February 2022
- [The Civilian Climate Corps: Implications for Security in the 21st Century](#)
Center for Climate & Security, 2 February 2022
- [Recycled Lithium-Ion Batteries Can Perform Better Than New Ones](#)
Scientific American, 1 February 2022
- [How to build wildfire-resistant communities on the wildland fringe](#)
The Conversation, 1 February 2022
- [Corporate Clean Energy Buying Tops 30GW Mark in Record Year](#)
BloombergNEF, 31 January 2022
- [Can nuclear fusion power the race to net zero?](#)
Energy Monitor, 31 January 2022
- [The Legacy of Climate Security Leadership: Sherri Goodman on the Heat of the Moment](#)
Center for Climate and Security, 31 January 2022
- [Lawmakers Ask Biden To Make Sure DOD Follows Climate Rules](#)
Defense One, 28 January 2022
- [\[CSN\] NPS Climate and Security Network Leads Post-Climate Conference Discussion](#)
NPS Release, 28 January 2022
- [China's "New Energy Cloud"](#)
New Security Beat, 27 January 2022
- [US wave energy projects get funding boost as plans for open-water testing take shape](#)

CNBC, 27 January 2022

- [Gender, Climate, and Security: Missing Links](#)
New Security Beat, 26 January 2022

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Article:** [Six Solutions to Battery Mineral Challenges](#)
RMI, January 2022
- **Report:** [The 2022 Global Energy Agenda](#)
Atlantic Council, January 2022
- **Article:** [Green Upheaval: The New Geopolitics of Energy](#)
Foreign Policy, January/February 2022

EVENTS

- [The Arctic in Transition: Energy, Resilience and National Security](#)
8 February 2022 / 1200 ET / 0900 PT
Atlantic Council
- **[NEW]** [National Climate Assessment: International Chapter Engagement Workshop](#)
9 February 2022 / 0700 – 1100 PT
US Global Change Research Program
- **[NEW]** [Looking forward: What's next after the EU-US Energy Council meeting?](#)
9 February 2022 / 0800 ET / 0500 PT
Atlantic Council
- **[NEW]** [Climate Change and Implications for Disasters in the United States: Examples from the Arctic, Caribbean, Northeast and Gulf States](#)
11 February 2022 / 1 – 2 pm ET / 10 – 11 am PT
RAND
- [Climate Risk North America 2022](#)
15-17 February 2022 / Virtual
The Economist
- **[NEW]** [Preparing the United States for a mineral-intensive future](#)
16 February 2022 / 1500 ET / 1200 PT
Atlantic Council
- [Virtual Conference of the Global Council for Science and the Environment](#)
8-10 March 2022 / Virtual
Theme: Tipping Points for a Climate Positive Future
- [Global Energy Forum](#)
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NPS Climate & Security Network Weekly Update: 18 February 2022

NEWS

- [**To Take Climate Change Seriously, the U.S. Military Needs to Shrink**](#)
Time, 17 February 2022
- [**Water-for-energy deal could help prevent climate conflict in the Middle East**](#)
Australian Strategic Policy Institute, 16 February 2022
- [**DNI Avril Haines Awarded 2nd Consecutive Wash100 Award for Prioritizing Efforts to Address National Security Threats, Climate Change**](#)
Executive Biz, 15 February 2022
- [**New Faces on a Vital National Commission Could Help Speed a Clean Energy Transition**](#)
Inside Climate News, 15 February 2022
- [**Water Mafia and Governance in Karachi**](#)
New Security Beat, 14 February 2022
- [**COP27 Host Says Priority to Help Africa During Energy Transition**](#)
Bloomberg, 14 February 2022
- [**John Conger column: Climate resilience in Virginia is a national security priority**](#)
Richmond Times-Dispatch, 12 February 2022
- [**Judge blocks key Biden climate metric**](#)
E&E News, 11 February 2022
- [**Engineers are building bridges with recycled wind turbine blades**](#)
The Verge, 11 February 2022
- [**Should the Defense Dept. be exempt from cutting greenhouse gas emissions?**](#)
Boston Globe, 10 February 2022
- [**Biden's Biggest Idea on Climate Change is Remarkably Cheap**](#)
The Atlantic, 9 February 2022

- [Climate change might be fueling ethnic violence](#)
George Mason University, 9 February 2022
- [Addressing Climate Security in Fragile Contexts](#)
Center for Strategic & International Studies, 1 February 2022

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Memo:** [USD\(R&E\) Technology Vision for an Era of Competition](#)
Under Secretary of Defense, Research & Engineering, 1 February 2022
- **Paper:** [Green Defence: the defence and military implications of climate change for Europe](#)
IISS, 8 February 2022
- **Report:** [Evaluating Climate Risk in NEPA Reviews: Current Practices and Recommendations for Reform](#)
Sabin Center for Climate Change Law, February 2022
- **Report:** [2022 Sea Level Rise Technical Report](#)
NOAA & Multiple Federal Agencies, February 2022
- **Video:** [Climate Change and Security Implications in the Mediterranean](#)
Middle East Institute, 8 February 2022
- **Report:** [Preparing for SEC Climate Reporting Rule Changes in 2022](#)
Reuters, February 2022
- **Book:** [Managing Environmental Conflict](#)
Columbia University Press, February 2022
- **Article:** [Role of ENSO on Conflicts in the Global South](#)
Frontiers in Climate, 10 February 2022
- **Video:** [Free viewings of Tidewater and The Burden](#)
American Resilience Project
- **Video:** [Technology and Climate Resiliency](#)
Environmental Law Institute, 27 January 2022

EVENTS

- **[NEW]** [The Arctic: The Geopolitics and Subsurface Impacts of Climate Change](#)
22 February 2022 / Virtual
Daniel K. Inouye Asia-Pacific Center for Security Studies and Wilson Center's Polar Institute
- [Energy Efficiency Means Business](#)
24 February 2022 / Virtual
Environmental and Energy Study Institute
- **[NEW]** [Mapping Soils and Blue Carbon Stocks in the Coastal U.S.](#)
1 March 2022 / 0900 – 1000 PT / Virtual
USDA/NRCS

- [**3-part Webinar Series: Technology Infrastructure and Policy for Carbon Utilization**](#)
1-3 March 2022 / Virtual
National Academies
- [**\[NEW\] Alaska Center for Climate Assessment and Policy Webinar**](#)
3 March 2022 / 1100 – 1200 PT
University of Alaska Fairbanks
- [**\[CSN Event\] Hybrid Airships: An Initial Sustainability Analysis of a Large-scale Mobility Platform, its Manufacturing Process and Product Life-Cycle**](#)
8 March 2022 / 1200 PT
NPS Climate and Security Network featuring Captain Ben Cohen, USMC and Captain John Schmaltz, USMC
- [**\[NEW\] Decoding the New IPCC report on Climate Impacts: Implications for Security and Adaptation**](#)
8 March 2022 / 1200 – 1300 ET / 0900 – 1000 PT
Center for Climate & Security
- [**Virtual Conference of the Global Council for Science and the Environment**](#)
8-10 March 2022 / Virtual
Theme: Tipping Points for a Climate Positive Future
- [**\[NEW\] National Security Significance of a Changing Climate: Operationalizing Climate Security**](#)
18 March 2022 / 0830 – 1430 ET / 0530 – 1130 PT / Virtual
U.S. Naval War College
- [**Global Energy Forum**](#)
28 – 29 March 2022 / UAE and Online
Atlantic Council
- [**2022 Federal Environmental Symposium**](#)
28-31 March 2022 / Webinar
Federal Facilities, Environmental Stewardship & Compliance Assistance Center
- [**Innovations in Climate Resilience Conference**](#)
29-30 March 2022 / Columbus, OH
Battelle

Dear CSN Members,

Here is your weekly collection of updates from the last week in the climate and security world, with a special section focused on climate and environmental security issues surrounding the crisis in Ukraine, adapted from a resource sent out by the IC Environmental Security Working Group.

Also, there is an interesting opportunity (bottom) to contribute to topics on environmental security for the Climate Security Advisory Council.

Have a good weekend,

Kristen

Kristen M Fletcher
Faculty Associate-Research / Naval Postgraduate School
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kristen.fletcher@nps.edu

NPS Climate & Security Network Weekly Update: 25 February 2022

Special Section: Ukraine

- Center for Climate & Security: [The Council on Strategic Risks on the Russian Invasion of Ukraine](#)
- Washington Post: [E.U. will unveil a strategy to break free from Russian gas, after decades of dependence](#)
- Market Trading Essentials: [How a Russian invasion of Ukraine, the ‘breadbasket of Europe,’ could hit supply chains](#)
- Energy News Beat: [Russia sanctions, Ukraine conflict likely to increase petrol, gas, fertiliser and wheat prices](#)
- E&E News: [Russia’s climate posture offers clues on its Ukraine mindset](#)
- Inside Climate News: [How the Ukraine Conflict Looms as a Turning Point in Russia’s Uneasy Energy Relationship with the European Union](#)
- AP News: [Ukraine crisis jolts Europe to push for secure energy supply](#)
- Columbia Journalism Review: [Putting the Ukraine story in a climate context](#)
- Forbes: [Ukraine Crisis Is Terrible News For Climate Policy](#)

NEWS

- [Climate change poses a real danger to U.S. national security, expert says](#)
Phys.org, 24 February 2022
- [The U.S. Needs to Radically Redefine What Falls Under “National Security”](#)
Slate, 24 February 2022
- [Department of Defense Awards \\$28.7M in Grants for the FY2021 Minerva Research Initiative](#) [includes 6 focused on climate]
DoD Release, 24 February 2022

- [Climate Fears on Back Burner as Fuel Costs Soar and Russia Crisis Deepens](#)
NY Times, 23 February 2022
- [It's time for a climate change version of the Manhattan Project](#)
Defense News, 23 February 2023
- [First solar canal project is a win for water, energy, air and climate in California](#)
The Conversation, 22 February 2022
- [The West's Delusion of Energy Independence](#)
NY Times, 22 February 2022
- [Amidst Ukraine crisis Munich Security Conference discusses climate-security](#)
Planetary Security Initiative, 21 February 2022
- [Marines need nearly \\$5B for integrating boot camp, fighting climate change](#)
Marine Corps Times, 21 February 2022
- [Stanford scientists combine AI and atomic-scale images in pursuit of better batteries](#)
Stanford News, 17 February 2022
- [With two new policy statements, FERC Recommits to Ensuring Gas Infrastructure Projects Serve the Public Interest](#)
Sabin Center for Climate Change Law, 18 February 2022
- [Decarbonization on the Agenda of the Military](#)
Planetary Security Initiative, 4 February 2022

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Report:** [The Ocean Twilight Zone's Role in Climate Change](#)
Woods Hole Oceanographic Institute, February 2022

EVENTS

- **[NEW]** [Mapping Soils and Blue Carbon Stocks in the Coastal U.S.](#)
1 March 2022 / 0900 – 1000 PT / Virtual
USDA/NRCS
- [3-part Webinar Series: Technology Infrastructure and Policy for Carbon Utilization](#)
1-3 March 2022 / Virtual
National Academies
- **[NEW]** [Alaska Center for Climate Assessment and Policy Webinar](#)
3 March 2022 / 1100 – 1200 PT
University of Alaska Fairbanks
- **[CSN Event]** [Hybrid Airships: An Initial Sustainability Analysis of a Large-scale Mobility Platform, its Manufacturing Process and Product Life-Cycle](#)

8 March 2022 / 1200 PT

NPS Climate and Security Network featuring Captain Ben Cohen, USMC and Captain John Schmaltz, USMC

- **[\[NEW\] Decoding the New IPCC report on Climate Impacts: Implications for Security and Adaptation](#)**
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- **[Virtual Conference of the Global Council for Science and the Environment](#)**
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Atlantic Council
- **[2022 Federal Environmental Symposium](#)**
28-31 March 2022 / Webinar
Federal Facilities, Environmental Stewardship & Compliance Assistance Center
- **[Innovations in Climate Resilience Conference](#)**
29-30 March 2022 / Columbus, OH
Battelle

OPPORTUNITIES

- **Climate Security Advisory Council 1-pagers**

The IC Environmental Security Working Group has been asked by the Climate Security Advisory Council – a federal partnership between the IC and the Federal Science Agencies chaired by the National Intelligence Council – to consolidate 1-page resource and informational “cheat sheets” on each of the 15 topic areas below. These documents are intended to help officers and analysts learn quickly on climate topics. They are seeking for each topic: (1) broad and authoritative scientific and research reports; (2) useful datasets and databases; and (3) links to expert authoritative communities. **If you are interested in responding**, email kristen.fletcher@nps.edu for the response template. **Comments due 2 March 2022.** Topics are:

1. *Temperature Increase* [regional, heat waves, wet-bulb]
2. *GHG Monitoring* [inventories, modeling, carbon sequestration/CDR]
3. *Cryosphere/Polar Regions* [permafrost, sea and terrestrial ice loss]
4. *Sea Level Rise* [wave events, coastal impacts]
5. *Extreme Events* [cascading impacts; floods, cyclones, drought, wildfire, heat/cold; attribution]
6. *Water* [precipitation, transboundary, infrastructure, ground-surface]
7. *Food* [fisheries, agriculture, irrigation]
8. *Biodiversity* [animal/plant distribution, migration, deforestation, soil]

9. *Health* [infectious and vector-borne disease, health risks]
10. *Migration* [economic impact to jobs, population displacement from extreme events]
11. *Adaptation* [capacity building, equity, resilience, finance, land-use change]
12. *Geoengineering* [research, development, legal aspects, detection]
13. *Low-carbon Energy* [country/technology resource needs, development impacts]
14. *Global Climate Models* [application, uncertainties, tipping points/feedback loops]
15. *Downscaling & Integrating Models* [key regions, modes of variability, coupling to societal impacts]

Dear CSN Members,

Here is your weekly collection of updates from the last week in the climate and security world, including a special section on Ukraine.

Also, a reminder of our CSN event coming up next Tuesday:

[Hybrid Airships: An Initial Sustainability Analysis of a Large-scale Mobility Platform, its Manufacturing Process and Product Life-Cycle](#)

Hope to see you there.

And, finally, **a hearty congratulations to CSN Member Lt. Kionna Myles** who has recently promoted from Lieutenant Junior Grade to Lieutenant. Lt. Myles serves as one of 3 NPS students who are Barrow Fellows this year.

Have a good weekend,

Kristen

Kristen M Fletcher
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NPS Climate & Security Network Weekly Update: 4 March 2022

Special Section: Ukraine

- U.S. State Department: [Joint Statement on Arctic Council Cooperation Following Russia's Invasion of Ukraine](#)
- The Hill: [Former Navy Secretary: The addition to fossil fuels empowers Putin](#)
- New Security Beat: [Hydropolitics in the Russian-Ukrainian Conflict](#)
- The Atlantic: [Russian Probably Won't Cut Off Europe's Gas, Because It's 'Essentially an Act of War'](#)
- Politico: [Russia crisis forces Pentagon to rework defense strategy on the fly](#)
- LA Times: [Putin's oil-funded war shows climate security is national security](#)
- Al Jazeera: [1 million refugees flee Ukraine in week since Russian invasion](#)
- Foreign Policy: [Putin Just Pushed the World Into an Even Bigger Energy Crisis](#)
- Yahoo Finance: [One way to combat Russia? Move faster on clean energy](#)

NEWS

- [The Army Climate Strategy and the Climate Security Plan for America](#)
Center for Climate & Security, 4 March 2022 [written by CSN Member Dr. Marc Kodack]
- [Climate Crisis is Confronting U.S. and World with Threats to National, Global Security](#)
Our Time Press, 3 March 2022

- [Army Electric vehicle goals ‘pretty darn achievable,’ but challenges remain](#)
Breaking Defense, 2 March 2022
- [‘Biggest green deal since Paris’: UN to approve plastic treaty roadmap](#)
Reuters, 2 March 2022
- [US Army Beats US Postal Service to Electric Vehicle Punch](#)
CleanTechnica, 1 March 2022
- [Migrating to Adapt to Climate Change, Tunisians Lose Their Way of Life](#)
New Security Beat, 28 February 2022
- [UN Climate Report: ‘Atlas of Human Suffering’ Bigger, Worse](#)
AP News, 28 February 2022
- [Latest IPCC Report Says Impacts of Climate Change Are Irreversible and Widespread; Urges Efforts to Cut Emissions and Adapt](#)
National Academies, 28 February 2022
- [IMCCS and NATO at the Munich Security Conference on the Event of Conflict: Addressing Catastrophic Risks](#)
Center for Climate & Security, 28 February 2022
- [Climate emergency a ‘national security’ concern, says Red Cross](#)
The Guardian, 27 February 2022
- [Experts: climate change impacting Navy base, other national security infrastructure in Hampton Roads](#)
13 News Now [Hampton Roads, VA], 25 February 2022
- [Oil and Gas Companies ‘Flare’ or ‘Vent’ Excess Natural Gas. It’s Like Burning Money – and it’s Bad for the Environment](#)
Inside Climate News, 25 February 2022
- [U.S. Department of Energy Issues Comprehensive Plan to Strengthen America’s Clean Energy Supply Chains and Bolster Domestic Manufacturing](#)
U.S. DOE Release, 24 February 2022
- [Congress is eyeing a bipartisan climate trade policy – thanks to Trump](#)
Politico, 24 February 2022
- [Global Wildfire Activity to Surge in Coming Years](#)
Inside Climate News, 23 February 2022
- [10 Breakthrough Technologies 2022: Carbon Removal Factory](#)
MIT Technology Review, 23 February 2022

- [U.S. Geological Survey Releases 2022 List of Critical Minerals](#)
USGS Release, 22 February 2022
- [Icebreakers: Meet The First In A New Generation Of US Coast Guard Ice Pilots](#)
gCaptain, 14 February 2022

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Report:** [IPCC AR6 Working Group II](#)
Intergovernmental Panel on Climate Change, February 2022
- **Magazine:** [The Corps Environment](#)
U.S. Army Corps of Engineers, February 2022
- **Podcast:** [A Maritime Strategy for the Arctic](#)
Maritime Nation, 25 February 2022
- **Report:** [America's Strategy to Secure the Supply Chain for a Robust Clean Energy Transition](#)
U.S. Department of Energy, 24 February 2022
- **Report:** [How Climate and Conflict Are Fragmenting Rural Syria](#)
PAX, January 2022
- **Monthly Round-up:** [Read, Watch, Listen: CCS Across the Web](#)
Center for Climate & Security, February 2022

EVENTS

- **[CSN Event]** [Hybrid Airships: An Initial Sustainability Analysis of a Large-scale Mobility Platform, its Manufacturing Process and Product Life-Cycle](#)
8 March 2022 / 1200 PT
NPS Climate and Security Network featuring Captain Ben Cohen, USMC and Captain John Schmaltz, USMC
- [Decoding the New IPCC report on Climate Impacts: Implications for Security and Adaptation](#)
8 March 2022 / 1200 – 1300 ET / 0900 – 1000 PT
Center for Climate & Security
- [Virtual Conference of the Global Council for Science and the Environment](#)
8-10 March 2022 / Virtual
Theme: Tipping Points for a Climate Positive Future
- **[NEW]** [The Secret to Talking about Climate Change: Psychology as an X Factor](#)
9 March 2022 / 11:00 am PT
Monterey Bay Aquarium Research Institute
- **[NEW]** [2022 Sustainable Energy in America Factbook](#)
9 March 2022 / 1 – 2:30 ET / 10 – 11:30 PT

Environmental and Energy Studies Institute

- **[NEW] Enabling the Green Energy Transition by Building Localized Battery Supply Chains**
16 March 2022 / 11 – Noon ET / 8 – 9 am PT
U.S. Association for Energy Economics
- **National Security Significance of a Changing Climate: Operationalizing Climate Security**
18 March 2022 / 0830 – 1430 ET / 0530 – 1130 PT / Virtual
U.S. Naval War College
- **Global Energy Forum**
28 – 29 March 2022 / UAE and Online
Atlantic Council
- **2022 Federal Environmental Symposium**
28-31 March 2022 / Webinar
Federal Facilities, Environmental Stewardship & Compliance Assistance Center
- **Innovations in Climate Resilience Conference**
29-30 March 2022 / Columbus, OH
Battelle
- **[NEW] 2022 MIT Energy Conference: Accelerating the Clean Energy Transition**
31 March – 1 April 2022 / Boston & Hybrid
MIT

Dear CSN Members,

Here is your weekly collection of updates from the last week in the climate and security world, including a special section on Ukraine.

Also, an Executive Order released this week has impact on climate change and the energy transition:
Executive Order on Ensuring Responsible Development of Digital Assets.

[Executive Order](#)

[White House Fact Sheet](#)

[Analysis by Gibson Dunn](#)

Finally, thanks to our speakers during the Airships/Net Zero briefing this week. The video should be online by early next week and we'll share the link in our weekly email.

Have 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

NPS Climate & Security Network Weekly Update: 11 March 2022

Special Section: Ukraine

- New Security Beat: [The Environmental Dimensions of the Russian Invasion of Ukraine](#)
- Time: [Ukraine's Conflict Has Rippled All the Way to the Arctic Circle](#)
- Independent: [Ukraine crisis shows net zero is a matter of UK's national security](#)
- Cryopolitics: [Russia's Arctic gas is funding the war in Ukraine](#)
- Transport Dive: [White House ends Russian oil, energy imports into US](#)
- AP News: [Russian war in world's 'breadbasket' threatens food supply](#)
- The New Humanitarian: [How Russia's Invasion of Ukraine will worsen global hunger](#)
- NY Times: [Lawmakers Push to Ban Russian Oil Imports, Amid White House Resistance](#)
- CNN: [Satellite Imagery Shows Ukraine Going Dark](#)
- Inside Climate News: [Chernobyl Is Not the Only Nuclear Threat Russia's Invasion Has Sparked in Ukraine](#)

NEWS

- [NATO and Climate Change: Better Late Than Never](#)
11 March 2022, German Marshall Fund of the U.S.
- [The Case for Declaring a National Climate Emergency](#)
11 March 2022, The Nation
- [Here's how AT&T, Verizon, Consolidated are prepping their networks for climate change](#)
11 March 2022, Fierce Telecom

- [Biden Orders Report on Climate Risk of Cryptocurrencies](#)
10 March 2022, E&E News
- [Is super-polluting Pentagon’s climate plan just ‘military-grade greenwash’?](#)
10 March 2022, The Guardian
- [‘Reimagine Security’, Experts Urge, As Military Emissions and Budgets Grow in Tandem](#)
9 March 2022, The Energy Mix
- [Climate Change a Critical Challenge for DOD, Hicks Says](#)
8 March 2022, DoD Release
- [New IPCC Report Calls for Adapting Today to Ensure Tomorrow’s Climate Security](#)
8 March 2022, Center for Climate and Security
- [GM is working with PG&E to turn electric vehicles into a virtual power grid in California](#)
8 March 2022, The Verge
- [New IPCC report calls for adapting today to ensure tomorrow’s climate security](#)
8 March 2022, Planetary Security Initiative
- [‘Project Arcwater’ Reigns as 2022 Spark Tank Winner](#)
7 March 2022, Air Force Release
- [Climate Hawks Join the Debate on Ukraine](#)
7 March 2022, New York Times
- [Does Foreign Climate Shaming Lead to Nationalist Backlash?](#)
7 March 2022, New Security Beat
- [Meeting China on the New Climate Front](#)
21 February 2022, Newsweek

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Briefer:** [Climate, Ecological Security and the Ukraine Crisis: Four Issues to Consider](#)
Center for Climate & Security, 11 March 2022
- **Report:** [Annual Threat Assessment of the U.S. Intelligence Community](#)
Office of the Director of National Intelligence, February 2022
- **Report:** [Assessing the U.S. Climate in February 2022](#)
National Centers for Environmental Information, 8 March 2022
- **Video:** [Confronting Climate Impacts: Federal Strategies for Equitable Adaptation and Resilience](#)
House Select Committee on the Climate Crisis, 9 March 2022
- **Comments:** [Remarks by Ambassador Linda Thomas-Greenfield at a UN Security Council Arria-Formula Meeting on Climate Finance for Sustaining Peace and Security](#)
United States Mission to the United Nations, 9 March 2022

- **Web Article:** [The foods that could prevent climate disasters](#)
BBC, March 2022

EVENTS

- **[NEW]** [Leveraging Financial Systems and Markets to Attain Deep Decarbonization](#)
14 March 2022 / 12 – 1:30 ET / 9 – 10:30 PT
- [Enabling the Green Energy Transition by Building Localized Battery Supply Chains](#)
16 March 2022 / 11 – Noon ET / 8 – 9 am PT
U.S. Association for Energy Economics
- [National Security Significance of a Changing Climate: Operationalizing Climate Security](#)
18 March 2022 / 0830 – 1430 ET / 0530 – 1130 PT / Virtual
U.S. Naval War College
- **[NEW]** [Climate Adaptation Programs across Agencies](#)
18 March 2022 / 1 – 2:30 ET / 10 – 11:30 PT / Virtual
- [Global Energy Forum](#)
28 – 29 March 2022 / UAE and Online
Atlantic Council
- [2022 Federal Environmental Symposium](#)
28-31 March 2022 / Webinar
Federal Facilities, Environmental Stewardship & Compliance Assistance Center
- [Innovations in Climate Resilience Conference](#)
29-30 March 2022 / Columbus, OH
Battelle
- **[NEW]** [Building Climate Resilience in Monterey County](#)
31 March 2022 / 6 – 7:30 pm PT
Pacific Grove Museum of Natural History
- [2022 MIT Energy Conference: Accelerating the Clean Energy Transition](#)
31 March – 1 April 2022 / Boston & Hybrid
MIT

OPPORTUNITIES

- [ONR Funding Opportunity Announcement: Topic 12 – Climate Change Risk and Decision Superiority](#)
FOA (N00014-22-S-F002) - Topic 12, Climate Change Risk and Decision Superiority, addresses the need to understand how uncertainty in regional climate and earth system models interacts with the parallel uncertainty in human systems, impacting our ability to create actionable information tailored to local environments and specific decision-making priorities. **White papers due 16 May 2022; proposals accepted through 9 September 2022.**

Dear CSN Members,

Here is your weekly collection of updates from the last week in the climate and security world, including a special section on Ukraine.

Also, the video for the March 8 Airships/Net Zero briefing is online [here](#).

Have a good weekend,

Kristen

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NPS Climate & Security Network Weekly Update: 18 March 2022

Special Section: Ukraine

- World War Zero: [Climate Security and The Ukraine Crisis](#)
- E&E News: [War in Ukraine Does Not Diminish NATO's Need to Act on Climate, Report says](#)
- Center for Climate and Security: [Nuclear Threats in Ukraine Today and Their Implications for Global Security Tomorrow](#)
- Wall Street Journal Podcast: [How Ukraine is Changing the Politics of Energy and Climate Change](#)

NEWS

- [The Gasses that will Make or Break Climate Change Mitigation](#)
18 March 2022, New Security Beat
- [Executive Order on Ensuring Responsible Development of Digital Assets: The Intersection of Climate Change and Cryptocurrencies](#)
18 March 2022, Mondaq
- [British-US team reports first drone flight on synthetic fuel](#)
17 March 2022, Defense News
- [COP 27 in Sharm: Few Opportunities and More Challenges for MENA Environmentalists](#)
17 March 2022, New Security Beat
- [Long-term health effects of Hawaii's fuel-tainted water are unclear, CDC and Navy say](#)
17 March 2022, Navy Times
- [Spending deal undercuts Biden's UN climate pledge](#)
16 March 2022, Roll Call
- [Girl Security Fellows Offer Fresh Perspectives on Climate Security](#)
16 March 2022, Center for Climate and Security

- ['It's Lethal Here': Army Aims to Master the Arctic, Where the Environment is the Enemy](#)
15 March 2022, Military.com
- [How NREL Is Extending the Lifetime of Solar Modules](#)
15 March 2022, Clean Technica
- [DOE and European Commission Support Collaboration Between the U.S. Li-Bridge Alliance and European Battery Alliance to Strengthen Supply Chain for Battery Technologies](#)
15 March 2022, Department of Energy Release
- [Environmental Change, Migration and Peace in the Northern Triangle](#)
14 March 2022, New Security Beat
- [The Air Force just soared past and electric aircraft milestone](#)
14 March 2022, Popular Science
- [Honolulu scores a win against Big Oil in climate change lawsuit](#)
14 March 2022, Grist
- [Tories plan big expansion of wind farms 'to protect national security'](#)
13 March 2022, The Guardian
- [How to clean solar panels without water](#)
11 March 2022, MIT News
- [Form Drum to Improve Water Security with Key Infrastructure Project](#)
10 March 2022, Army Release

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Article:** [Attributing changes in food insecurity to a changing climate](#)
Nature, 18 March 2022
- **Video:** [GISTEMP Climate Spiral](#)
NASA, 7 March 2022
- **Podcast:** [Turning Air into Stone: Tech-Based Carbon Renewal](#)
Climate One, 11 March 2022
- **Blog Post:** [A Review of Nigeria's 2021 Climate Change Act: Potential for Increased Climate Litigation](#)
Sabin Center for Climate Change Law, 16 March 2022
- **Blog Post:** [Renewable Energy Projects Face Opposition in 49 States, Local Restrictions in 31 States](#)
Sabin Center for Climate Change Law, 15 March 2022

EVENTS

- [Global Energy Forum](#)
28 – 29 March 2022 / UAE and Online
Atlantic Council

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28-31 March 2022 / Webinar
Federal Facilities, Environmental Stewardship & Compliance Assistance Center
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29-30 March 2022 / Columbus, OH
Battelle
- [Building Climate Resilience in Monterey County](#)
31 March 2022 / 6 – 7:30 pm PT
Pacific Grove Museum of Natural History
- [\[NEW\] Challenge Accepted: A Progress Report on the Climate Security Plan for America and Recommendations for the Way Ahead](#)
31 March 2022 / 10 – 11 am ET / 7 – 8 am PT
Center for Climate and Security
- [2022 MIT Energy Conference: Accelerating the Clean Energy Transition](#)
31 March – 1 April 2022 / Boston & Hybrid
MIT
- [\[NEW\] Arctic Encounter Symposium](#)
7-8 April 2022 / Anchorage
- [\[NEW\] Reducing Arctic Risks and Advancing Cooperation](#)
3 – 6 May 2022 / Anchorage & Hybrid
Arctic Domain Awareness Center
- [\[NEW\] Biodiversity, Conservation Science and Climate Change: 2022 Annual Conference of the Global Council for Science and the Environment](#)
21 – 24 June 2022 / Virtual
Global Council for Science and the Environment

OPPORTUNITIES

- [\[NEW\] Comments for Carbon Capture, Utilization and Sequestration Guidance](#)
The Council on Environmental Quality (CEQ) seeks comment on an interim guidance document, "Carbon Capture, Utilization, and Sequestration Guidance." Comments due 18 April 2022 to Amy.B.Coyle@ceq.eop.gov.
- [ONR Funding Opportunity Announcement: Topic 12 – Climate Change Risk and Decision Superiority](#)
FOA (N00014-22-S-F002) - Topic 12, Climate Change Risk and Decision Superiority, addresses the need to understand how uncertainty in regional climate and earth system models interacts with the parallel uncertainty in human systems, impacting our ability to create actionable information tailored to local environments and specific decision-making priorities. **White papers due 16 May 2022; proposals accepted through 9 September 2022.**

- The [Interagency Arctic Research Policy Committee](#) is seeking input in the development of the first biennial implementation plan. The IARPC is working to build relationships and teams that are invested in advancing the [Arctic Research Plan's priority area goals](#). Submit ideas regarding the most important research questions to be pursued in the next two years [via this form](#). **The public engagement period ends on March 31.**

Dear CSN Members,

Here is your weekly collection of updates from the last week in the climate and security world, including a special section on Ukraine.

Also, I'm pleased to invite you to **two upcoming CSN Events**:

1-Year Celebration of CSN

6 April / 1630 at the Trident Room, NPS

The Trident room has indoor and outdoor seating.

No registration or RSVP needed.

Climate Security Leaders Panel

25 April / 1200 – 1300

Meeting Link: <https://nps-edu.zoomgov.com/j/1613350237>

Passcode: CSNLead22#

No registration needed / details coming online next week.

Have a good weekend,

Kristen

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[Energy Academic Group](#) / [Climate & Security Network](#)
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NPS Climate & Security Network Weekly Update: 25 March 2022

Special Section: Ukraine

- Climate One Podcast: [Playing with Fire: Russian, Ukraine and the Geopolitics of Energy](#)
- Carnegie Europe: [Russia's Ukraine Invasion and Climate Change Go Hand in Hand](#)
- Scientific American: [How Ukraine Unplugged from Russia and Joined Europe's Power Grid with Unprecedented Speed](#)
- NY Times: [Will War Make Europe's Switch to Clean Energy Even Harder?](#)
- Defense One: [What We Learned from Russia's Assaults on Nuclear Plants](#)
- Center for Climate & Security Briefer: [Climate, Ecological Security and the Ukraine Crisis: Four Issues to Consider](#)
- The Guardian: [Ukraine war threatens global heating goals, warns UN chief](#)
- EuroNews.Green: [What is the impact of the war in Ukraine on Europe's climate and energy policy?](#)

NEWS

- [‘An ounce of prevention is worth a pound of cure’: U.S. conflict prevention policy in a world of climate change](#)
25 March 2022, New Security Beat
- [The Urgent Case for Energy Austerity](#)
24 March 2022, War on the Rocks

- [**U.S. Charges Russian Government Hackers With Campaign of Global Energy Cyberattacks**](#)
24 March 2022, The Wall Street Journal
- [**China’s Growing Environmental Footprint in the Caribbean**](#)
24 March 2022, New Security Beat
- [**DOE, Pentagon misaligned on military grid defense program**](#)
23 March 2022, E&E News
Note: See Resources section below for Report
- [**FERN’s Back Forty: Rethinking how we feed the troops**](#)
22 March 2022, Food & Environment Reporting Network
- [**Climate crisis is greatest threat to Australia’s future and security, former defence leaders warn**](#)
22 March 2022, The Guardian
- [**Russian Hackers are Targeting American Oil Refineries**](#)
22 March 2022, MSN
- [**How a few geothermal plants could solve America’s lithium supply crunch and boost the EV battery industry**](#)
21 March 2022, The Conversation
- [**SEC proposes mandating climate disclosures from corporations**](#)
21 March 2022, Washington Examiner
Note: See Resources section below for Proposed Rule
- [**These charts show how much it costs to charge an EV vs. refueling a gas vehicle**](#)
19 March 2022, CNBC
- [**Defence personnel not allowed to speak about climate ‘unless they go through Peter Dutton’s office’**](#)
17 March 2022, The Guardian

REPORTS, PUBLICATIONS & OTHER RESOURCES

- **Report:** [**Strengthening the Resilience of Defense Critical Energy Infrastructure**](#)
U.S. Department of Energy, March 2022
- **Podcast:** [**Coping with COVID and Climate Fatigue**](#)
Climate One, 25 March 2022
- **Report:** [**Our Changing Planet**](#)
U.S. Global Change Research Program, March 2022
- **Report:** [**Global and Regional Sea Level Rise Scenarios for the United States**](#)
NOAA and federal partners, February 2022
- **Report:** [**Groundwater: The world’s neglected defence against climate change**](#)
British Geological Survey and Water Aid, March 2022

- **Infographic:** [Aquifer Depletion Across Boundaries](#)
U.S. Department of State, Humanitarian Information Unit, 22 March 2022
- **Statement:** [Open Letter to Australia’s Political Leaders on Climate](#)
Australian Security Leaders Climate Group, March 2022
- **Report:** [State Agency Sea Level Rise Action Plan for California](#)
California Ocean Protection Council, February 2022
- **Report:** [Water Security in Africa: A Preliminary Assessment](#)
United Nations University, March 2022
- **Proposed Rule:** [The Enhancement and Standardization of Climate-Related Disclosures for Investors](#)
Securities and Exchange Commission, 21 March 2022

EVENTS

- **[NEW]** [Launching the Sweden-US Green Transition Initiative: Innovation and Cooperation driving the energy transition](#)
31 March 2022 / 12:00 pm ET / 9:00 am PT
Atlantic Council
- [Building Climate Resilience in Monterey County](#)
31 March 2022 / 6 – 7:30 pm PT
Pacific Grove Museum of Natural History
- [Challenge Accepted: A Progress Report on the Climate Security Plan for America and Recommendations for the Way Ahead](#)
31 March 2022 / 10 – 11 am ET / 7 – 8 am PT
Center for Climate and Security
- [2022 MIT Energy Conference: Accelerating the Clean Energy Transition](#)
31 March – 1 April 2022 / Boston & Hybrid
MIT
- [What is Water’s Role in a Carbon Neutral Future?](#)
4 – 6 April 2022 / Virtual
Sandia National Laboratories
- [Arctic Encounter Symposium](#)
7-8 April 2022 / Anchorage
- **[NEW]** [Electrifying the Future Fleet](#)
19 April 2022 / Virtual
Leonardo DRS
- **[NEW/CSN]** **Climate Security Leaders Panel**
25 April 2022 / 1200 – 1300
Meeting Link: <https://nps-edu.zoomgov.com/j/1613350237>
Passcode: CSNLead22#
No registration needed / details coming online next week.

- [Reducing Arctic Risks and Advancing Cooperation](#)
3 – 6 May 2022 / Anchorage & Hybrid
Arctic Domain Awareness Center
- [Biodiversity, Conservation Science and Climate Change: 2022 Annual Conference of the Global Council for Science and the Environment](#)
21 – 24 June 2022 / Virtual
Global Council for Science and the Environment

OPPORTUNITIES

- [Comments for Carbon Capture, Utilization and Sequestration Guidance](#)
The Council on Environmental Quality (CEQ) seeks comment on an interim guidance document, "Carbon Capture, Utilization, and Sequestration Guidance." **Comments due 18 April 2022** to Amy.B.Coyle@ceq.eop.gov.
- [ONR Funding Opportunity Announcement: Topic 12 – Climate Change Risk and Decision Superiority](#)
FOA (N00014-22-S-F002) - Topic 12, Climate Change Risk and Decision Superiority
White papers due 16 May 2022; proposals accepted through 9 September 2022.
- The [Interagency Arctic Research Policy Committee](#) is seeking input in the development of the first biennial implementation plan. Submit ideas regarding the most important research questions to be pursued in the next two years [via this form](#). **The public engagement period ends on March 31.**