

# C4E News

A monthly round-up of C4E news and information

## December highlights

I recently taped interviews with Ben Hsiao (Chemistry) and So-MAS IDEA Fellow Luis Ernesto Medina Faull for the new podcast "C4E Presents". Major thanks to J.D. Allen and the School of Communication & Journalism for helping me getting started editing those interviews for the podcast. Many more coming in the next few months, stay tuned!

## Coming soon...

We are still recruiting a C4E administrative staff member, I hope we can introduce them in next month's newsletter.

We will have a meeting in January - details below.

## In case you missed it...

GLOBAL SUSTAINABILITY UNIVERSITY

### Stephen Hammer Named CEO of The New York Climate Exchange

November 9, 2023 4 min read



Rendering of The New York Climate Exchange on Governors Island.

Check out the full story [here](#)

## Save the Date!

We will have a kick-off working lunch meeting and an open house on **January 16th from 12-2 pm** and an open house immediately following from 2-4 pm. The meeting and open house will be in the C4E space in Melville Library (see below). Bring your own lunch and we will bring coffee and cookies to share.



News we are following:

[COP 28 is underway in the United Arab Emirates](#), and the [third session of the Intergovernmental Negotiating Committee](#) to develop a legally binding instrument to address plastic pollution recently wrapped up in Nairobi, Kenya .

If you have news or information for the C4E community for the January Newsletter, send it to me at [heather.lynch@stonybrook.edu](mailto:heather.lynch@stonybrook.edu).

Upcoming grant deadlines of interest for the C4E community:

## Organismal Response to Climate Change (ORCC)

Expanding Understanding and Improving Predictions of Life on a Warming Planet

### PROGRAM SOLICITATION

NSF 23-622

1

REPLACES DOCUMENT(S):

NSF 22-513



**National Science Foundation**

Directorate for Biological Sciences

Division of Integrative Organismal Systems

Division of Environmental Biology

Directorate for Geosciences

Division of Ocean Sciences

**Full Proposal Deadline(s)** (due by 5 p.m. submitter's local time):

December 13, 2023

November 19, 2024



**DEPARTMENT OF ENERGY (DOE)  
OFFICE OF SCIENCE (SC)  
BIOLOGICAL AND ENVIRONMENTAL RESEARCH (BER)**



2

### EARTH SYSTEM MODEL DEVELOPMENT AND ANALYSIS

FUNDING OPPORTUNITY ANNOUNCEMENT (FOA) NUMBER:  
DE-FOA-0003228

FOA TYPE: **AMENDMENT 000001**  
CFDA NUMBER: 81.049

FOA Issue Date:	November 29, 2023
Submission Deadline for Pre-Applications:	January 16, 2024 at 5:00 PM ET A Pre-Application is required
Pre-Application Response Date:	January 29, 2024 at 5:00 PM ET
Submission Deadline for Applications:	March 21, 2024 at 11:59 PM ET



Amendment 000001 revises the instructions for preparing current and pending support.

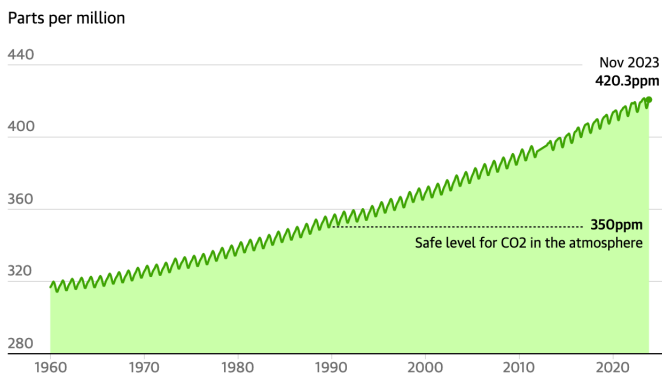
We have six new Tiger Teams on topics relevant for the C4E:

- Community and ecosystem resilience
- Green Technologies
- Social drivers of climate mitigation and societal effects of climate change
- Climate and environmental medicine
- The warming oceans. Modeling the climate and the effects of climate change
- The green economy and the economic challenges of climate change

Stay tuned for surveys and information gathering events for these Tiger Teams.

## Food for thought

### Atmospheric CO2

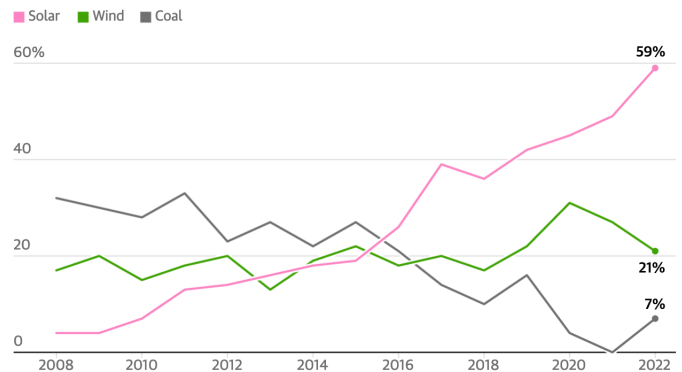


Guardian graphic. Source: NOAA, global CO2, updated 20 November 2023. Note: chart baseline is 280ppm - the preindustrial average

Selections from  
“The climate crisis in 10 graphs”,  
courtesy of *The Guardian*

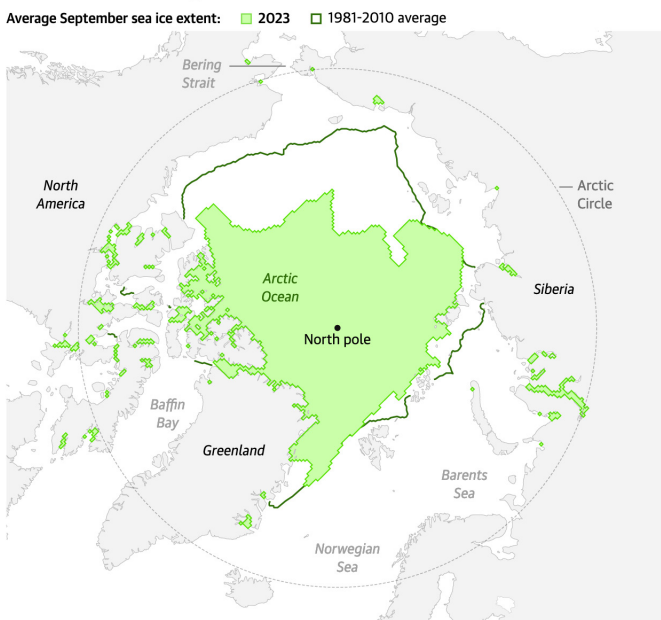
(full text [here](#))

Share of global electrical capacity additions, %



Guardian graphic. Source: BloombergNEF

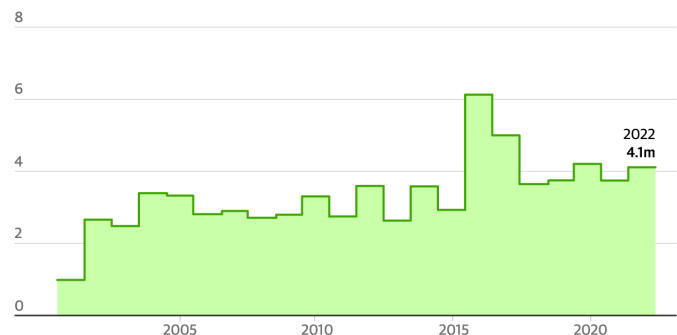
### Arctic sea ice in September



Guardian graphic. Credit: Sea Ice Index, National Snow and Ice Data Center

### Global forest loss

Annual primary forest loss, million hectares



Guardian graphic. Source: Global Forest Watch