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Subject: News from the Berkeley Climate Change Network -- Jan 18th
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News from the Berkeley Climate Change Network — January 18, 2023

Welcome to Climate 2023...and the [wettest Bay Area in 161 years!](#)

Check out the brand new [BCCN Web Site!](#)

1. **Federal Climate \$\$ ZOOM Briefing** for Berkeley/LBL-only January 27th
2. BCCN Webinar Feb 9th — **Pro-Climate Auto Proxy Voting** for Your Investments
3. See the **BCCN Unofficial Guide to Spring 2023 Climate-Related Classes**
4. LOIs due Thursday at Noon for **\$100M UCOP Climate Research/Action**
5. **\$25M American-Made Carbon Management Collegiate Competition** Announced!
6. LBL's **Bill Collins** in the New York Times: New "Exxon Knew" Study Released
7. CED's **Kristina Hill** Co-Author of big new report on Bay Area Groundwater Flooding
8. **Kenichi Soga** (Engineering) leads big Marin/Oakland Fire-Escape Project
9. **Holly Doremus** (Berkeley Law) Big \$2.4M UC grant for Just Transitions/Climate in the Delta
10. Cold Rain and Snow: **Andrew Schwartz** (UC Central Sierra Snow Lab) and **Michael Wehner** (LBL)
11. **10 Free Solar Panels** for Berkeley Researchers (glass damaged, functioning fine)
12. **Coming UP:**
 - ECCLPs **PK-12 Climate Literacy Webinars** (rescheduled) February 6th
 - Save the Date: Haas **Sustainable & Impact Finance 1st Annual Conference** March 22nd

1. Federal Research \$\$\$ Webinar Jan 27th 10 am
Leland-Cogliani (Lewis-Burke) will outline the latest Federal Climate Opportunities (\$\$\$) in a one-hour BCCN Berkeley/LBL-only webinar January 27th, 10 am via [ZOOM link](#).

2. Pro-Climate Proxy Voting for Your Investments - Webinar Feb 9th 3pm
Financial wizard Alex Thaler (Berkeley '02) will present a cool new way to influence the climate behavior of your investments. Auto Proxy Voting! This BCCN [Zoom webinar](#) will lay out the program and take your feedback/questions.

3. BCCN Unofficial Guide to Spring 2023 Climate-Related Classes
Our Spring 2023 Guide can be found on the [BCCN website](#). Tons of great stuff! More every semester!

4. LOIs due Thursday Noon for the [UCOP \\$100M Climate Grants](#)
Looks like Berkeley is sending UCOP quite a few Seed Grant and Matching Grant LOIs tomorrow (deadline extended due to actual real-world climate impacts!). Tiff Dressen, Dave Trinkle and I have been busy reviewing and supporting a number of excellent proposals. UCOP says LOT approval notices out by February 7th

proposals. DOE says EIS approval notices out by February 7th.

5. [\\$25M Carbon Management Collegiate Competition](#)

U.S. DOE's Office of Fossil Energy and Carbon Management is launching the American-Made Carbon Management Collegiate Competition. This [competition](#) aims to engage **teams of undergraduate and graduate students** to propose a **regional carbon network** to transport at least 1 million metric tons of carbon dioxide per year. The competition aims to inspire students to consider career opportunities in carbon management, learn industry-relevant skills, engage with industry professionals in community and energy transition roles, and gain hands-on experience to lead the next generation of carbon management development.

6. New, Stronger "Exxon Knew" study published — [Bill Collins comments in the New York Times](#)

"This is first article that I've seen that is a clear and **quantitative** comparison of ExxonMobil's projections against the state of the science in the public domain." Collins was further quoted that Exxon's projections "were very consistent over time." "They knew all of that. They've known it for decades." See the study by Naomi Oreskes and others [here](#).

7. Kristina Hill (CED) Co-Author of Big New Study on Bay Area Groundwater, Sea Level rise & Environmental Justice

Rising groundwater is a crucial contributor to the region's flooding challenges. This new partnership of local climate scientists at Pathways Climate Institute, the San Francisco Estuary Institute, **UC Berkeley (Hill)**, regional agencies and the counties takes existing groundwater levels and imagined how they would push up around the the bay as seas rise.

"Risks of contaminants resurfacing disproportionately affect lower-income communities and communities of color because historical injustices mean that they are more likely to live near contaminated sites", said **Kristina Hill, professor at UC Berkeley and a co-author of the report**. "Even a few inches of groundwater rise may mobilize contaminants or change flow directions, causing contaminants in the soil to spread," she said. "Existing remediation plans don't account for this." This [link](#) includes the report and supporting materials.

8. Soga, Comfort, Collier Gillless, Gollner - Video Games to Help Plan Fire Evacuation Routes

Building on seed funding from CITRIS and with significant support from the NSF, UC researchers are taking lessons learned from the Camp Fire and other disasters and applying their expertise in complex systems modeling, risk management and **human-**

computer interaction to mitigate future tragedies in hazard-prone communities in Marin County and Oakland. Digital simulations (video games) to save lives! The project is led by Kenichi Soga (Engineering) with Louise Comfort (CITRIS), Stephen Collier (CED) Keith Gilles (RCNR) and Michael Gollner (Engineering) plus colleagues from Davis and Santa Cruz. See more info [here](#) and the Marin IJ's excellent story [here](#).

9. Holly Doremus - Just Transitions: Drought Sea Level Rise and Salinity in the Delta
Doremus (Berkeley Law) is the lead investigator for this \$2.5M five-year [study](#) also involving Davis, Merced and San Diego. How to balance nationally significant agricultural and fisheries interests, statewide water supply reliability interests, federally and state-protected ecological interests, and local recreational, cultural-historical, and subsistence interests in the **management of salinity**, an increasing challenge in the face of extended drought and sea-level rise. The project will use "state-of-the-art computing, coupled with locally sourced knowledge, to build holistic understanding of the multifaceted tradeoffs associated with alternative nature-based, regulatory, demand-based, and engineering scenarios for salinity management while building social capital and information-sharing networks through extended public engagement and open-science technologies."

10. My Favorite Academic (Understated) Email of the Year (to-date) - Andrew Schwartz, Central Sierra Snow Lab

As the Sierra is buried under many feet of snow and [CSL is all over the media...](#)

Please note that my current email response times are longer than normal due to the current storm cycle. We are having intermittent power failures, which is complicating even basic tasks on site. Additionally, the increased frequency and severity of these storms has created a lot of excitement, and thus, an increase in media requests as well as an increase in on-site measurements/workload.

Thank you for your understanding!

Andrew Schwartz
Lead Scientist and Manager
Central Sierra Snow Laboratory, UC Berkeley

While meanwhile, **Michael Wehner at LBL** calmly [explains the "Bomb Cyclone."](#)

11. Ten Free, Slightly Damaged but Very Functioning Solar Panels — Available Now
Don't ever say BCCN is all talk. We now have a local solar company offering 10 functional but glass-damaged solar panels for any researcher on campus or at the Lab. We'll take the 10th caller at 510....no wait that's my (very) old job.. email bruceriodan@berkeley.edu.

12. Coming Up:

- [ECCLPS PK-12 Environmental and Climate Literacy webinar](#) (rescheduled) Feb 6 at Noon PST.
- [Haas First Annual Sustainable and Impact Finance Conference](#) March 22nd

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Funded by: RCNR, CIEE, VCRO, Law, CED, Haas, Goldman, SPH, Chemistry, CDSS, Engineering, LBNL

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