

Journey #5171 from sdc 4.5.22

Breathe In, Breathe Ou

Climate groups say a change in coding can reduce bitcoin energy consumption by 99%

'We Are Unstoppable': Youth Climate Strikes Return in Full Force

Registration now open for INTRRFACE - Reno/Sacramento

Donate Life Now

The Cave

What Happens When Kids Get Their History from Video Games?

Full Human Genome Decoded

Washington OKs 1st statewide missing Indigenous people alert (AP)

Fish can conceptualize simple arithmetic

Scent analysis reveals contents of 3,400-year-old jars

The radical roots of CSAs

In November, Californians have chance to unleash massive new sports betting industry

NFL to require teams to hire female or minority coaches beginning with 2022 season

The American West could face a 'brutal' century under climate change

Antarctic ice shelves are shattering. How fast will seas rise?

50% of U.S. Lakes and Rivers Are Too Polluted for Swimming, Fishing, Drinking -

Gulf Stream continues slow down, freshwater creating imbalance in the current

Scholarships (D-F) with May 1-15 Deadlines

Inside Hoopa Tribe's Quest to Understand a Rare Carnivore

Nevada Museum of Art is showcasing some important pictures from last Thursday's forum

Workforce Innovation & Opportunity Act - Indian/Native American employment/training grants

UNR to begin offering extended reality courses through its partnership with Circuit Stream

North Fork Mono TribeSpring Gathering

Smart Home construction integrated with renewable energy modular technology



We breathe in what plants and trees breathe out, and they breathe in what we breathe out. All life is interconnected.

Climate groups say a change in coding can reduce bitcoin energy consumption by 99%

A simple switch in the way transactions are verified could reduce bitcoin's energy-guzzling mining habits



A facility that once was used by the Alcoa coal power plant now provides electricity for the Whinstone US bitcoin mining facility in Rockdale, Texas. Photograph: Mark Felix/AFP/Getty Images

Bitcoin mining already uses as much **energy as Sweden**, according to some reports, and its booming popularity is revitalizing failing fossil fuel enterprises in the US. But all that could change with a simple switch in the way it is coded, according to a campaign launched on Tuesday.

The campaign, called **Change the Code Not the Climate** and coordinated by Environmental Working Group, Greenpeace USA and several groups battling bitcoin mining facilities in their communities, is calling on bitcoin to change the way bitcoins are mined in order to tackle its outsized carbon footprint.

The software code that bitcoin uses – known as “proof of work” – requires the use of massive computer arrays to validate and secure transactions. Proof of work is a way of checking that a miner has solved the extremely complex cryptographic puzzles needed to add to the bitcoin

Rival cryptocurrency ethereum is shifting to another system – “**proof of stake**” – that it believes will reduce its energy use by 99%. In the proof of stake model, miners pledge their coins to verify transactions; adding inaccurate information leads to penalties.

With the value and use of cryptocurrencies rising, the campaign's organizers argue bitcoin must follow suit or find another, less energy intensive, method. “This is a big problem. In part because of where the industry stands now but also because of our concerns about its growth,” said Michael Brune, campaign director and former executive director of Sierra Club.

The US now **leads the world** in cryptocurrency mining after China launched a **crackdown** on mining and trading last May.

“Coal plants which were dormant or slated to be closed are now being revived and solely dedicated to bitcoin mining. Gas plants, which in many cases were increasingly economically uncompetitive, are also now being dedicated to bitcoin mining. We are seeing this all across the country,” said Brune.

Brune added: “It’s particularly painful to see this in the electric sector because that is precisely the place where the US has made most of its progress in the last decade,” he said. “There’s no way we can reach our climate goals if we are reviving fossil fuel plants.

Some bitcoin miners have recently begun **powering their operations** using renewable energy from wind and solar. But Brune said while such moves were “clearly well-intentioned”, adding “some boutique wind or solar operations powering a few high- profile mining operations” would not do enough to counter the environmental cost. “Fossil fuel growth is outpacing renewable growth in bitcoin mining and that’s the fundamental challenge,” Brune said.

Without a change to the code, the fundamental problem will remain that bitcoin’s code “incentivizes maximum energy use”, said Chris Larsen, founder and executive chairman of crypto company Ripple and a climate activist. “The minute that there is the opportunity to go to something dirty, which is what you are seeing, that is going to happen.”

One “nightmare scenario”, he said, is that the world does get to a renewable future in China, the US and EU but countries rich in fossil fuel switch to bitcoin mining to keep their operations running.

“Imagine the Saudis sitting on all that oil, which has a cost of about ½ cent per kilowatt hour – no renewable can match that,” Larsen said. “Bitcoin mining could be this endless monetization engine for fossil fuels. That would be a nightmare.”

The campaign is launching with digital advertising in the Wall Street Journal, New York Times, Marketwatch, Politico, Facebook and other publications. Organizers are also taking legal action against proposed mining sites and using their large memberships to push bitcoin’s biggest investors and influencers to call for a code change. “In this world, with all these smart people, there has got to be a better solution,” said Larsen.

‘We Are Unstoppable’: Youth Climate Strikes Return in Full Force

Julia Kane /Grist

Students march for their future in 750 cities across the globe

Hundreds of thousands of students skipped school on Friday, marching through the streets of more than 750 cities and towns to call for decisive action on climate change and to demand justice for the people most severely affected.

Friday’s protests, the largest mass youth climate strike since 2019, show that the movement is rebounding from the setbacks posed by the pandemic, which forced young people to do most of their organizing remotely.

In Stockholm, Sweden — where Greta Thunberg’s solitary 2018 strike ignited an international movement — protesters chanted “We are unstoppable! Another world is possible!” In Feni, Bangladesh, young people stood waist deep in water and one boy held a sign that read: “Like the sea, we are rising.” In Nairobi, Kenya, activists marched through the street, accompanied by

blaring music and car horns. Even in Antarctica, researchers posed on the snow with signs urging the world to stop climate change.

The rallying cry that united all of these demonstrations was “people not profit.” While youth activists still insist that we must cut carbon emissions in line with what scientists say is necessary, in recent years, they have also placed a strong emphasis on climate justice.

Fridays for Future, the youth-led organization that coordinated the strike, wrote, “The catastrophic climate scenario that we are living in is the result of centuries of exploitation and oppression through colonialism, extractivism and capitalism,” and called for climate reparations.

In a recent opinion piece, Bangladeshi climate activist Farzana Faruk Jhumu agreed: “Climate reparations are the compensation that the Global North must pay the Global South for the destruction they have caused through huge carbon emissions.”

The first wave of international climate strikes in 2019 attracted an estimated 6 million people in thousands of cities and towns across the world. While Friday’s protests weren’t as large, they do signify a resurgence of the youth climate movement now that many countries have eased pandemic restrictions.

Liv Schroeder, national coordinator and policy director for Fridays for Future U.S., told Inside Climate News, “We’ve been incredibly isolated and while the climate movement has continued during Covid, we need to reignite hope and strikes to push our leaders to act.”

Registration is now open for [INTERFACE Reno-Sacramento](#) — a virtual conference addressing Information Security, Incident Response, Infrastructure, Disaster Recovery, Strategic Management, and more. Join us on May 12, 2022.

- Top-rated speakers from across the country, culminating in a local keynote selected by your INTERFACE Advisory Council
- INTERFACE Exhibit Hall showcasing the most sought-after tech companies and professional associations
- Exclusive prize drawings for gift cards, devices, and up to \$500 cash!

Bringing together over 3500 attendees every year across 14+ events, INTERFACE connects, celebrates, and supports the IT community with a no-cost, CPE-accredited conference series. Come explore the future of IT with industry leaders and easily build relationships with innovators from top companies.

The Reno Fire Department is wishing everyone a Happy Donate Life Month! You can register as an organ donor at www.nvdonor.org/reno. ([Facebook](#))

There's a little-known basement hideaway at UC Berkeley known as The Cave that has nurtured a generation of blind leaders, innovators, creatives, and geniuses who are reshaping the world: "At Berkeley, students who were ostracized in their hometowns, often for being the only blind kid around, became part of a rich lineage, and a vast disability community."

A story that's never really been told. 🖱️ [STAT](#)

~~~~~  
One of NARF's earliest cases, [United States v. Washington, commonly known as the Boldt Decision](#), was a 1974 case that re-affirmed the rights of American Indian tribes in the state of Washington to co-manage and continue to harvest salmon and other fish under the terms of various treaties with the U.S. government. This decision set precedents for future fights for tribal sovereignty, treaty rights, and natural resource protection.

**This is NARF's impact.** Listen to NARF Executive Director John Echohawk talk about the Boldt decision and NARF's impact through the decades:



On April 16th, NARF will honor this history as we celebrate 50 years in service to Indian Country. Join us in honoring our past and protecting our future. **Be a part of this celebration and donate to the Native American Rights Fund today.**act.”

### **What Happens When Kids Get Their History from Video Games?**

Bret Devereaux is trying to lead fellow historians to understand the influence a number of popular strategy games have for students understanding of both historical fact and the "mechanics" of historical change.

*Conversely, what happens when adults get their history from late night comedians? sdc*

### **Full Human Genome Decoded**

The human genome has [been fully mapped](#), scientists announced yesterday, a milestone that comes more than two decades after the initial results from the Human Genome Project were first released. The initial release described the vast majority of the human genome but left 8% undescribed. The new data fill in those gaps (see [technical overview](#)).

Genes refer to specific units of molecules that, when strung together, make up a set of genetic instructions for biological organisms ([watch overview](#)). By understanding the placement and function of each gene, scientists can draw conclusions—and work on treatments—for a wide range of disorders.

The Human Genome Project remains the largest collaborative biological project in human history. See a timeline of the research [here](#).

## [Washington OKs 1st statewide missing Indigenous people alert \(AP\)](#)

> **Fish can conceptualize** simple arithmetic, researchers find; study mimicked an approach that found similar results with honeybees ([More](#))

> **Scent analysis reveals** contents of 3,400-year-old jars found in Egyptian tombs; shows occupants were buried with fruit, fish, beeswax, and more ([More](#))

### [The radical roots of CSAs](#)

## [The radical roots of CSAs - Schumacher Center for New ...](#)

<https://centerforneweconomics.org/newsletters/the-r...>

In fact, the origins of the CSA movement in America have *radical roots*, drawn from the prominent environmental movement and a subculture ...

**This November, Californians will have the chance to unleash a massive new sports betting industry.** The vote is expected to be a showdown between dueling initiatives backed by California tribes — who warn their very sovereignty is at stake — and a group of gambling companies including FanDuel and DraftKings that has attracted political support with guarantees of anti-homelessness funding. A legislative estimate of how much Californians illegally wagered in 2016 gives an idea of the stakes. It was nearly \$19 billion. [Politico](#)

*"Find the good. It's all around you. Find it, showcase it, and you'll start believing in it."*

- Jesse Owens

**NFL to require teams** to hire female or minority coaches beginning with 2022 season ([More](#))

### **“A year after year disaster”: The American West could face a ‘brutal’ century under climate change**

Models show the American West faces more fires, floods and air pollution this century if meaningful climate action isn't taken soon.

Read in USA TODAY: <https://apple.news/AbVawkuczSPWPYdGK6d3oAg>

### **Antarctic ice shelves are shattering. How fast will seas rise?**

An unexpected ice shelf collapse in East Antarctica, after temperatures spiked 70°F above normal, highlights bigger problems in the West, where one glacier could singlehandedly raise global sea levels several feet.

Read in National Geographic: <https://apple.news/AKXXalhw0RuCVoMVYBdw8Cw>

**50% of U.S. Lakes and Rivers Are Too Polluted for Swimming, Fishing, Drinking -**  
<https://www.ecowatch.com/us-lakes-and-rivers-polluted.html>

**The Gulf Stream continues to slow down, new data shows, with freshwater creating an imbalance in the current**  
<https://www.severe-weather.eu/global-weather/gulf-stream-amoc-circulation-collapse-freshwater-imbalance-usa-europe-fa/>

**Scholarships (D-F) with May 1-15 Deadlines**

|                                                                                                |          |            |
|------------------------------------------------------------------------------------------------|----------|------------|
| <a href="#">Dallas Center for Architecture Foundation - McDermott Traveling Fellowship</a>     | \$2,000  | 05/14/2022 |
| <a href="#">David Hudak Memorial Essay Contest for Freethinking Students of Color</a>          | \$3,500  | 05/31/2022 |
| <a href="#">Deblinger Family Scholarship</a>                                                   | \$10,000 | 05/24/2022 |
| <a href="#">Don Schmidt Scholarship</a>                                                        | \$1,000  | 05/07/2022 |
| <a href="#">Doug Damerst Scholarship</a>                                                       | \$1,000  | 05/01/2022 |
| <a href="#">Dr. James L. Hutchinson and Evelyn Ribbs Hutchinson Medical School Scholarship</a> | \$2,000  | 05/04/2022 |
| <a href="#">Drew Swan Sibling Scholarship</a>                                                  | \$1,500  | 05/14/2022 |
| <a href="#">Duane Watson Scholarship for Exceptional Character in Agriculture</a>              | Varies   | 05/01/2022 |
|                                                                                                |          |            |
| <a href="#">Earl Dedman Memorial Scholarship</a>                                               | \$4,000  | 05/01/2022 |
| <a href="#">Earl Warren Scholarship</a>                                                        | \$30,000 | 05/01/2022 |
| <a href="#">Elizabeth Olson Legacy Scholarship - Interior Design</a>                           | \$1,000  | 05/01/2022 |
| <a href="#">Elliott P. Skinner Book Award</a>                                                  | Varies   | 05/14/2022 |
| <a href="#">Emily Schoenbaum Grant</a>                                                         | Varies   | 05/15/2022 |
| <a href="#">Epilepsy Foundation of San Diego Scholarship Program</a>                           | Varies   | 05/01/2022 |
| <a href="#">ERC Good Citizen Scholarship</a>                                                   | \$6,000  | 05/07/2022 |
| <a href="#">Essex Indoor Golf Center Scholarship</a>                                           | \$1,000  | 05/01/2022 |
|                                                                                                |          |            |
| <a href="#">Faith Hope and Love Jesus, Inc. College Scholarship</a>                            | \$500    | 05/01/2022 |
| <a href="#">Farm and Ranch Depot Scholarship Program</a>                                       | \$1,000  | 05/01/2022 |
| <a href="#">Fisher Cats Foundation Scholar-Athlete Scholarship</a>                             | \$2,500  | 05/01/2022 |
| <a href="#">FMC Ice Sports Skaters Scholarship</a>                                             | Varies   | 05/01/2022 |



## Inside the Hoopa Valley Tribe's Quest to Understand a Rare Carnivore

The tribe maintains some of the most detailed documentation of

**The Nevada Museum of Art is showcasing some important pictures from last Thursday's forum.** To learn about what was discussed at the forum, please check out the post. ([Instagram](#))

[nevadaart](#)

Thursday evening, elders, local leaders and community members gathered in person and virtually for a forum on reckoning with Nevada's boarding school past. The program opened with a debut of "They Danced, They Sang, Until the Matron Came," a performance artwork directed by Jean LaMarr. For 90 years, the Stuart Indian School operated in Carson City, Nevada, where the forceful assimilation of Indigenous children took place. While the effects of this trauma continue today, Stacy Montooth, the Executive Director of the Nevada Indian Commission stated "The first step to create an opportunity for healing is to tell the truth." Dr. Debra Harry, Associate Professor in the Department of Gender, Race, and Identity, University of Nevada, Reno joined panelists Jean LaMarr and Thalia Dick to discuss the boarding school experience. "It's absolutely crucial that we preserve our ancestor's stories," said Montooth in closing. This program coincides with the exhibition "The Art of Jean LaMarr" on view through May 29.



Someone is on “Indian Time”. (Rc’d April 4 )



Join the Division of Indian and Native American Programs and the Office of Grants Management on **Monday, April 4** and **Tuesday, April 5** to learn more about the **FOA-ETA-22-05 Workforce Innovation and Opportunity Act (WIOA), Indian and Native American Programs – Employment and Training Grants.**

Please use the links below to join the session that works best for you. All sessions will be held in Eastern Daylight Time. To find the time in your time zone, click [here](#).



**Monday, April 4, 2022 – 3:00 pm-4:30 pm EDT**

**Tuesday, April 5, 2022 – 3:00 pm-4:30 pm EDT**

This Funding Opportunity Announcement (FOA) solicits applications for the Indian and Native American Employment and Training Program authorized under Section 166 of WIOA. The purpose of this program is to support employment and training activities for Indian, Alaska Native, and Native Hawaiian individuals in order to:

- (a) develop more fully the academic, occupational, and literacy skills of such individuals;
- (b) make such individuals more competitive in the workforce and equip them with the entrepreneurial skills necessary for successful self-employment; and
- (c) promote the economic and social development of Indian, Alaska Native, and Native Hawaiian communities in accordance with the goals and values of such communities.

More information on the FOA and how to apply can be found [on Grants.gov](https://www.grants.gov).

**The University of Nevada, Reno is going to begin offering extended reality courses through its partnership with Circuit Stream.** Circuit Stream is an extended reality educational provider. Soon, students will have the opportunity to complete "project-based training in extended reality [with options] to obtain certificates in the field." For more information about the program, please click [here](#). ([KRNv](#))

**North Fork Mono Tribe**

**Spring Gathering**

**April 16**

**Smalley Cove on San Joaquin River  
Between Auberry and North Fork**

**9 am to 3 pm**

**Pot Luck**

**Tribe will provide:**

**Tri-tip sponsored by Rebekka and Rocky**

**Acorn made by Nancy**

**Beans by Ron and Rebekka**

**Hot Dogs donated by Joetta**

**Potato and Macaroni Salad made by Lois**

**Add a Special Dish**

**Bring Water and or Soft Beverages**

**And Dessert**

**Bring Eggs to Hide**

**Hide Eggs at 11:00**

**Hunt Eggs at 11:30**

**Blessing of the Land and Water at 12**

**Eat at 12:15**

**Ceremony following Lunch**

**Indian Naming – must arrange ahead of time!**

**Come, Bring a Chair, Bring your Family**

**Visit, Tell Story, Enjoy the Sunshine**

**Thanks to Dan Clark and PGE**

**For**

**Opening Up the Campground for Us**

***Suggested for Housing Authorities, etc.....Free and only two hours of your time!***

**[S2A Modular. 8tSpoulnsor0es80ef56d](#)** ·

S2A Modular is hosting a webinar on Thursday, April 7th for investors in your area to learn about Smart Home construction integrated with renewable energy modular technology.

The webinar will break down the differences between the "traditional stick built" method of construction versus the "modular" method. You'll learn the advantages and disadvantages of the modular process along with how we're integrating renewable energy smart home components to create net-zero (NZEB) properties. The heart of the concept is the inclusion of a residential storage battery, such as the Tesla Powerwall for example and revolutionary solar panel systems, while adding high energy-efficient windows, doors, insulation, heating, etc. to maximize the battery's use.

Who is this webinar for?

1. The buyer who is looking to build a new home and would like to get the process done 30%-40% faster at a cost savings of 10%-20% of the original stick built method while building a stronger product.
2. The consumer who is interested in sustainability, renewable energy, smart home technology, energy-efficient home components integrated with green living.
3. The "Developer" that wants to build a community or subdivision of hundreds of homes and/or the developer that wants to build apartment or hotel doors quicker, stronger and for less money.
4. The accredited investor that would like to be involved at the start of something that could quickly grow and potentially disrupt an industry.
5. The strategic investor who wants to partner with a company not only to get a strong ROI on their investment but to have priority on the assembly line and a discount from normal mark-up.
6. The construction professional, the architect, the salesperson, the civil engineer, the supplier of building materials and anyone else that may want to learn more about modular construction and smart home technology and how to partner with S2A Modular.

**Organizer**

Brian Kuzdas started his real estate career in 1985 as a commercial real estate agent in Chicago, Illinois. After representing buyers and sellers for 12 years, Brian bought his first apartment building in 1997 with the intention to convert it into condominiums.

After the success of that first apartment conversion, over the next ten years (1998-2007), Brian bought 4,000+ apartments and converted all of them to condos.

When the recession hit in 2007, Brian shifted to helping banks auction their foreclosed inventory (REOs). By 2010, Brian bought "RealEstateAuctions" (REA) and expanded the company to fourteen states while moving the corporate office to Palo Alto, CA in 2012.

In 2017, Brian opened an acquisition division to develop 10,000+ modular renewable energy smart homes that run off of a storage battery creating net-zero (NZEB), in California, and throughout the entire world.

He will be joined by Dean DeLisle, Chief Revenue Officer of S2A Modular. Dean has been marketing, home building, mortgage and the Real Estate industry for over 30 years.