

Climate Science Saves Lives

You can click on these links on our Home page at climatecrisiscabaret.org.

Climate Science Tells the Truth

- Visit Climate.us for climate science information.

For more than a decade, NOAA's Climate.gov website was the U.S. government's premier platform for climate information for the public. In the first half of 2025, NOAA terminated Climate.gov's federal and contractor staff, shutting down the site's daily operations. Former members of the Climate.gov team have joined with nonprofit partners to launch Climate.us: a successor to Climate.gov outside the federal domain to safeguard climate information from political interference.

Climate Science Discovers Solutions

- **New sponge removes microplastics from water**

Chinese scientists have created a cotton-and-squid-bone sponge that soaks up 99.9% of microplastics.

https://www.theguardian.com/environment/2024/dec/10/microplastics-pollution-sponge-cotton-squid-bone?utm_term=675e9bd82de58ea6b86eac1ca1526738&utm_campaign=TheUpside&utm_source=esp&utm_medium=Email&CMP=upside_email

- **New research on bacteria that devour greenhouse gases**

As described in the New York Times (10/8/25), climate scientists are now studying microbes at the bottom of the sea that might be able to help cool the planet. Bacteria that eat methane and CO₂ – the greenhouse gases that are warming the earth – could have climate applications. <https://twofrontiers.org/>

Climate Science Advances Adaptation

- **In 2025 global renewable energy surpassed coal for the first time.**

In the U.S., solar is expected to surpass wind in 2025 to become our third largest source of electricity, and may soon surpass coal as well. “Balcony solar” (or plug-in solar), already popular in Europe, is also gaining traction here.

<https://www.theguardian.com/environment/2025/oct/07/global-renewable-energy-generation-surpasses-coal-first-time>

https://pv-magazine-usa.com/2025/10/01/u-s-solar-will-pass-wind-in-2025-and-leave-coal-in-the-dust-soon-after/?ck_subscriber_id=2496857656&utm_source=convertkit&utm_medium=email&utm_campaign=A%20global%20conservation%20milestone%20-%2019222967

https://www.canarymedia.com/articles/solar/vermont-new-hampshire-plug-in-balcony-legislation?utm_source=substack&utm_medium=email

Climate Science Fights for Public Health

“The climate crisis is a health crisis,” says the Director-General of WHO. Climate science helps the health care sector predict and manage health risks.

<https://wmo.int/news/media-centre/climate-change-bad-health-climate-services-save-lives>

Climate Science Boosts Food Production

Climate science is increasing crop yields and resilience in the face of climate change. Two specific solutions:

- A Vancouver company is using mushrooms to provide mycelium-based protein that takes just seven days to produce and emits 84% less carbon dioxide than chicken. Now partnering with food manufacturers, they plan to expand globally by 2030 on five continents. <https://www.dailyclimate.org/vancouver-company-uses-mushroom-roots-to-tackle-global-protein-demand-2670813729.html>
- A program to expand regenerative rice farming in the South supports Black traditions and social justice: <https://www.dailyclimate.org/rice-farming-as-justice-2670487793.html>

Climate Science Protects Us from Extreme Weather

- Wildfires, droughts, floods, hurricanes and other extreme weather conditions are increasing. Climate scientists study, monitor and increase public preparedness. <https://science.nasa.gov/climate-change/extreme-weather/>

Climate Science Safeguards Homes

- In Boston, climate science is helping to protect houses and neighborhoods. <https://www.dailyclimate.org/how-boston-is-preparing-for-its-watery-future-and-not-waiting-on-washington-2673798734.html>