

The New Frontier in Carbon Removal: Harmful Algal Bloom Remediation

BlueGreen Water Technologies' Landmark Carbon Removal Method Ready for Deployment As Harmful Algae Season Heats Up

WASHINGTON, DISTRICT OF COLUMBIA, UNITED STATES, July 12, 2023 /EINPresswire.com/ -- The new frontier in carbon removal lies in water – our vast oceans, coastal ecosystems, and lakes, which serve as the most powerful natural carbon sinks on the planet. Now, for the first time ever, scientists can quantify how much atmospheric carbon dioxide can be removed by eliminating harmful algal blooms, which are choking water bodies around the globe.



The 2023 toxic algae season is poisoning aquatic wildlife and water bodies – and the season is only getting started. The arrival of El Niño will only exacerbate the frequency and intensity of outbreaks in certain parts of the country.

“The good news is that remediating these harmful algal blooms will not only restore aquatic ecosystems and preserve biodiversity, it can also remove millions of tons of atmospheric CO₂ in the process,” said [Eyal Harel](#), CEO, BlueGreen Water Technologies (BlueGreen). “When all of that carbon-rich toxic algal biomass is treated and killed, it sinks to the bottom of the water body along with the carbon it has sequestered. That carbon remains locked away in the sediment for millions of years.”

The removal of a bloom and the carbon within allows beneficial, non toxic species to retake the ecological niche, reestablish biodiversity, and reactivate the natural carbon pump that is intrinsic to their subsistence.

BlueGreen's [Net Blue™](#) methodology, approved this year by [Social Carbon Foundation](#), is the first

of its kind in the world to eliminate harmful algal blooms and sequester carbon at the same time.

“Many harmful algal blooms produce dangerous toxins that can sicken people, kill pets and wildlife, and hurt livelihoods and local economies,” said Dr. Jessica Frost, Scientific Director, BlueGreen. “Outbreaks must be treated early to prevent the worst outcomes.”

BlueGreen deploys its technologies across multiple continents to aid the fight against climate change while improving water quality and availability and restoring the health and biodiversity of aquatic ecosystems. The company has already removed an estimated 3.3 million tons of carbon from the atmosphere.

“Let’s invest in what will work now, before more irreversible damage is done to our climate,” said Harel. “To meet aggressive and necessary climate goals we must clean up our oceans, lakes, and wetlands. Our window for action is narrowing, and the very health of our planet is at stake.”

About BlueGreen Water Technologies:

BlueGreen Water Technologies is leading the charge in helping preserve and promote life on Earth. We are restoring, safeguarding, and optimizing the health, safety, accessibility, and biodiversity of waterbodies worldwide – including their wildlife, aquatic life, ecosystems, and economies – by pioneering and applying proven scientific ingenuity and deep tech solutions. BlueGreen is the first and only company in the world to develop, obtain regulatory approval for, and commercialize a technology suite that reverses the effects of climate change in water bodies and drastically reduces greenhouse gas levels. The multidisciplinary team of BlueGreen experts is exposing the secrets of lakes and oceans – detecting, analyzing, preventing and remediating some of the most complex and dynamic problems that plague the world’s water systems.

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