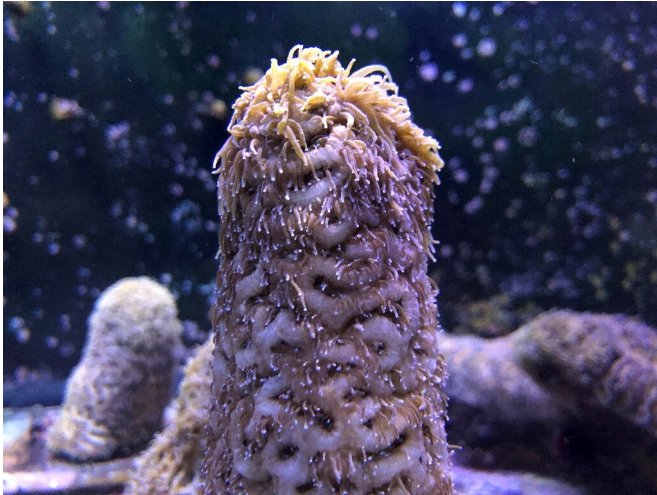


Scientists reproduce coral in lab, offering hope for reefs

27 August 2019



Pillar corals in a water tank at the Florida Aquarium Conservation Center labs, where scientists were able to reproduce the endangered coral species

A team of scientists in the US have managed to reproduce coral in a lab setting for the first time ever, an encouraging step in the race to save "America's Great Barrier Reef" off the coast of Florida.

The researchers from Florida Aquarium's Center for Conservation were able to reproduce endangered Atlantic Pillar coral through induced spawning, a development that could ultimately prevent the extinction of the Florida Reef tract.

"This amazing breakthrough was the first time that we spawned Atlantic corals in a laboratory setting that we've had for over a year in our greenhouses," Amber Whittle, the aquarium's director for conservation, told AFP Monday.

"It's been done before at the Horniman Museum in London with Pacific corals, never with Atlantic corals, and the Pillar [coral](#) that we spawned is a

highly [endangered species](#)."

The Florida Aquarium and the Horniman Museum began working together in 2015 on induced reproduction techniques.

Reproduction was achieved by mimicking the conditions of the corals' natural environment, including sunrises, sunsets, moon phases, [water temperature](#) and quality.

Florida's corals are deteriorating rapidly due to climate change and a destructive tissue disease that appeared in the waters of the southeastern state in 2014.

Scientists hope to reproduce healthy corals and repopulate the reefs through this technique.



Dr. Amber Whittle, he Florida Aquarium's director for conservation, inspects corals in a tank

© 2019 AFP

APA citation: Scientists reproduce coral in lab, offering hope for reefs (2019, August 27) retrieved 22 October 2019 from <https://phys.org/news/2019-08-scientists-coral-lab-reefs.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.