



NOAA's Strategy to Respond to and Prevent the Spread of Stony Coral Tissue Loss Disease
Applying Science, Technology and Partnerships to Save A National Treasure

Jennifer Koss
NOAA Coral Reef Conservation Program Director

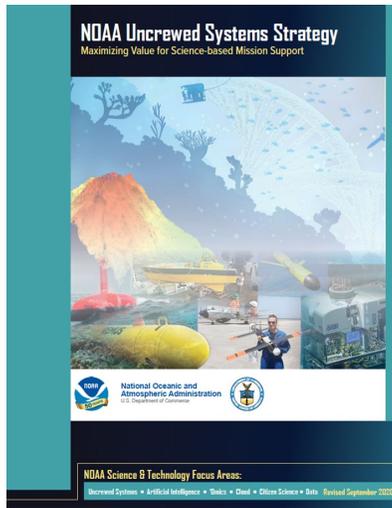
Virtual ICRI 35th Meeting

February 2021

Image: LT Laura Rock, NOAA



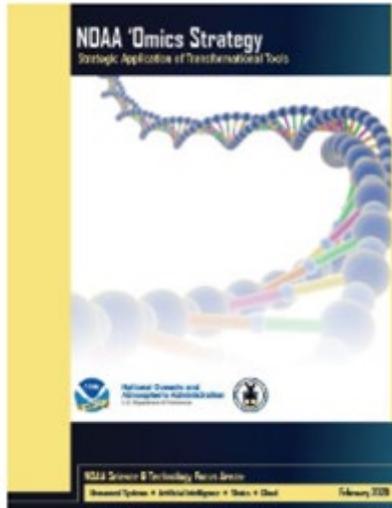
NOAA S&T Strategies



Uncrewed Systems



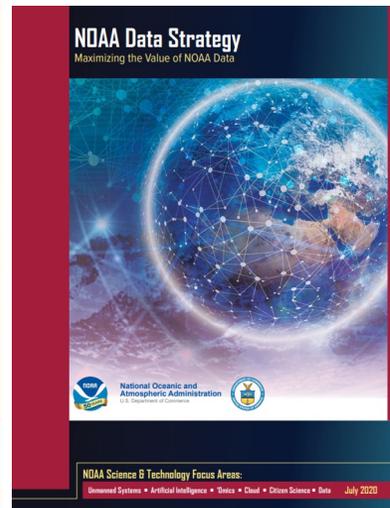
Artificial Intelligence



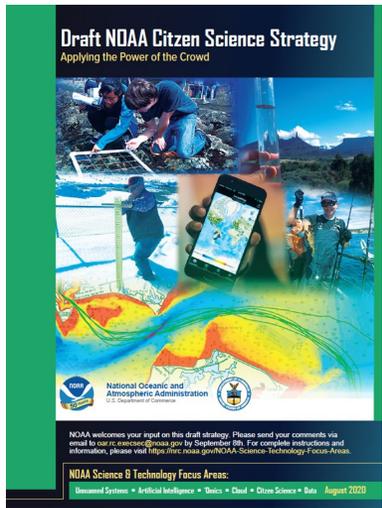
'Omics



Cloud



Data



Citizen Science

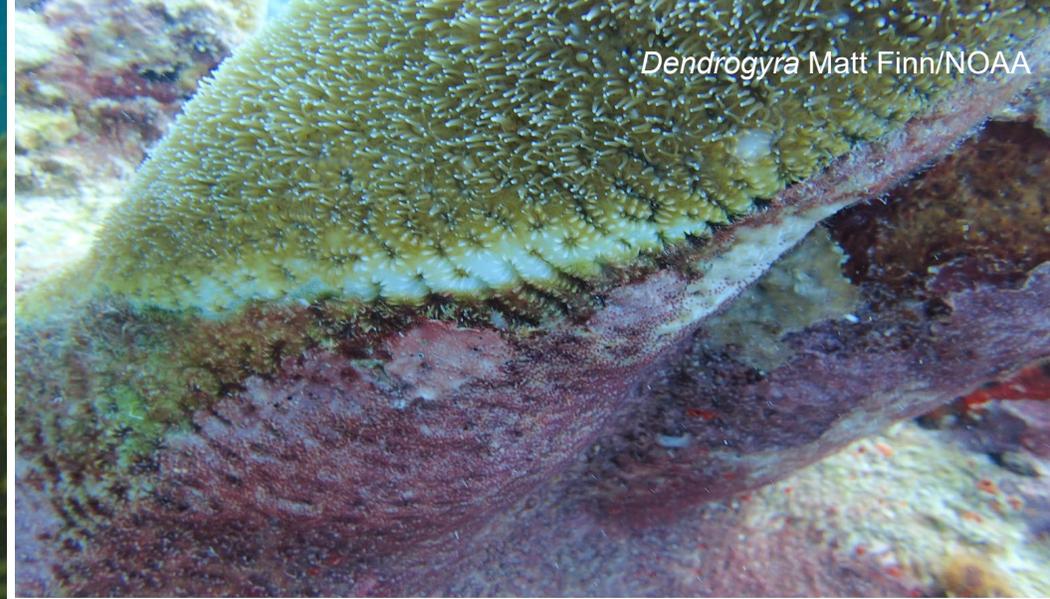
<https://nrc.noaa.gov/NOAA-Science-Technology-Focus-Areas>



SCTLD



Meandrina Ben Edmonds/NOAA



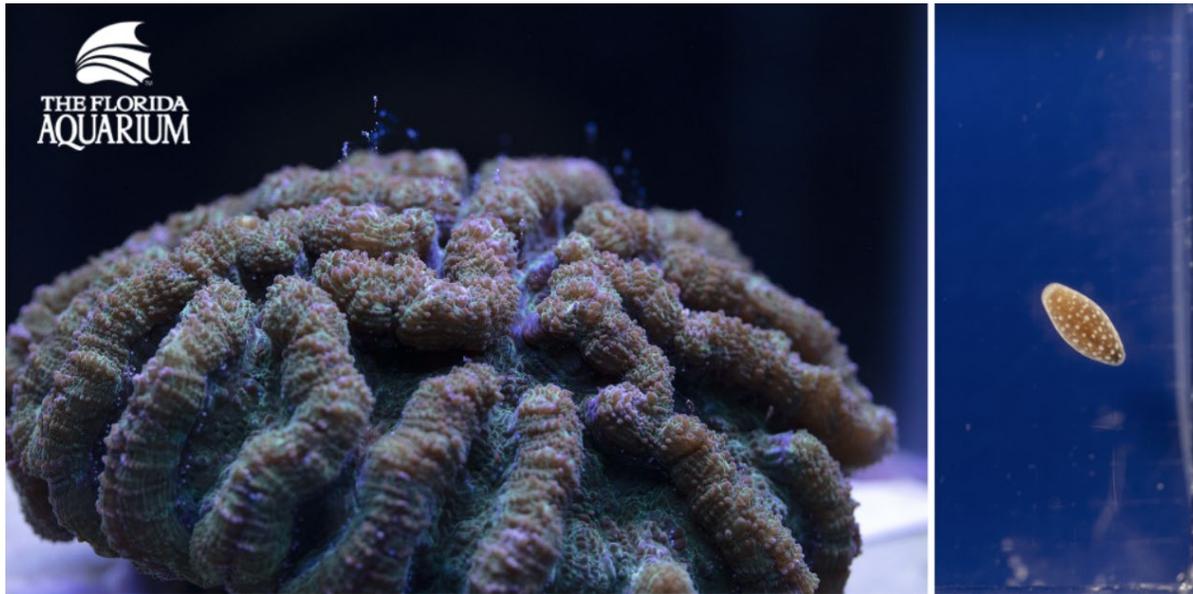
Dendrogyra Matt Finn/NOAA



17/07/2019
Pseudodiploria NOAA



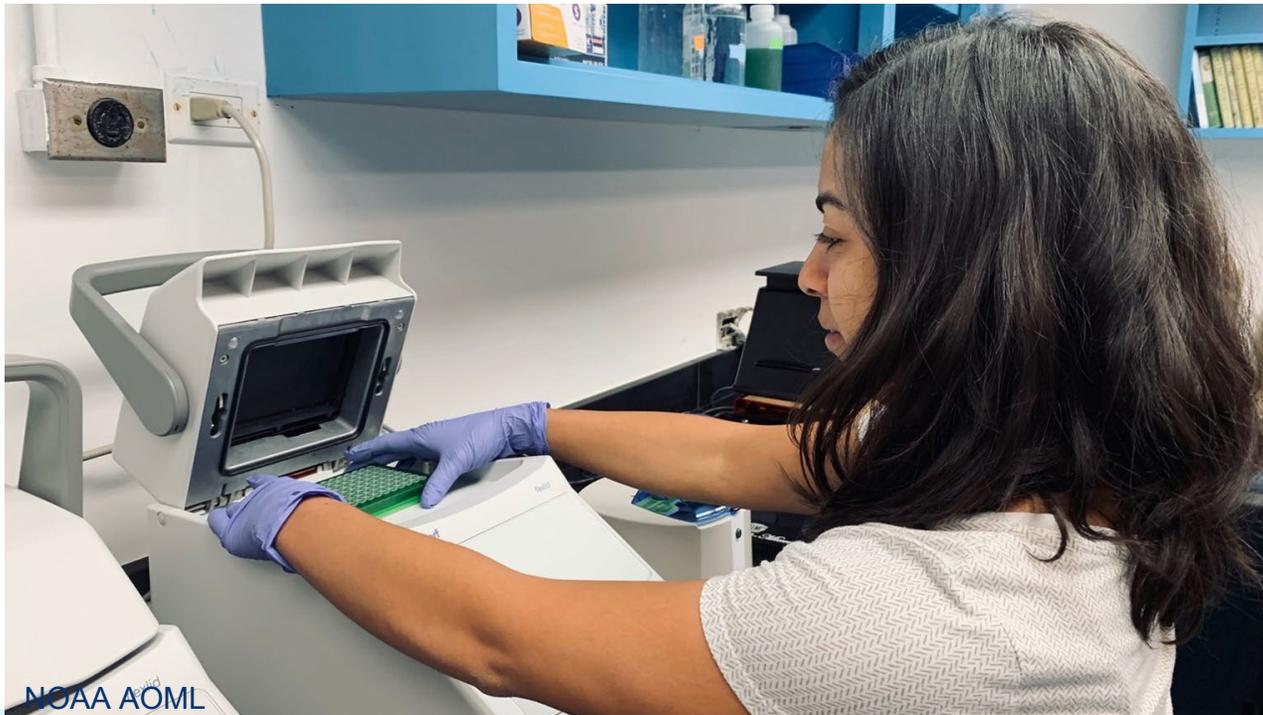
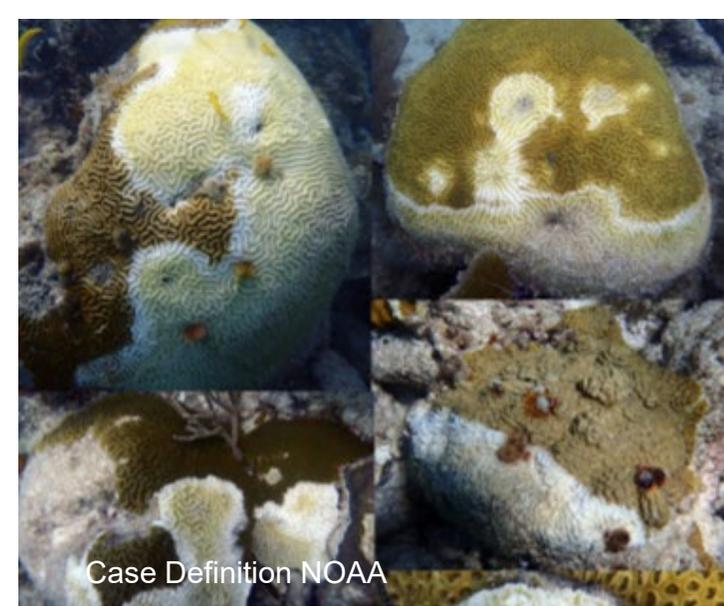
NOAA SCTLD response & partnerships



NOAA Strategy for SCTL D Response & Prevention



Goal 1: Expand research & data collection capacity



NOAA AOML



Photo Credit: NOAA-AOML



Goal 2: Support coral rescue, propagation and restoration operations, research and partnerships



Jennifer Moore/NOAA



FWC

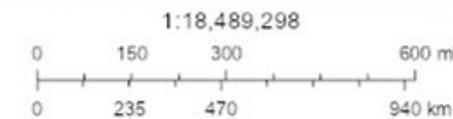




Goal 3: Strengthen & expand international partnerships for surveillance & information sharing



October 12, 2020 AGGRA



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS,

Goal 4: Promote awareness of SCTLD science, status, & indicators



Emma Doyle, GCFI



NOAA FKNMS



Goal 5: Build capacity for coral disease detection, prevention & intervention



NOAA



Dr. Andy Bruckner/NOAA



Goal 6: Prevent the spread of SCTLD to the Indo-Pacific region



Kip Evans/NOAA





Goal 7: Work with regional fisheries managers to ensure that SCTLD is considered in management consultations



An underwater photograph showing a diver in the upper right quadrant, looking down at a coral reef. The reef is partially degraded, with large areas of white sand and rubble. In the foreground, a large, textured, brownish-yellow coral structure is visible. The background shows more coral and a sandy bottom. The text 'Goal 8: Collaborate with the coral reef management community to reduce stressors to coral reefs and build ecosystem resilience' is overlaid in white, bold font across the top half of the image.

Goal 8: Collaborate with the coral reef management community to reduce stressors to coral reefs and build ecosystem resilience



NOAA SCTLD Strategy Alignment

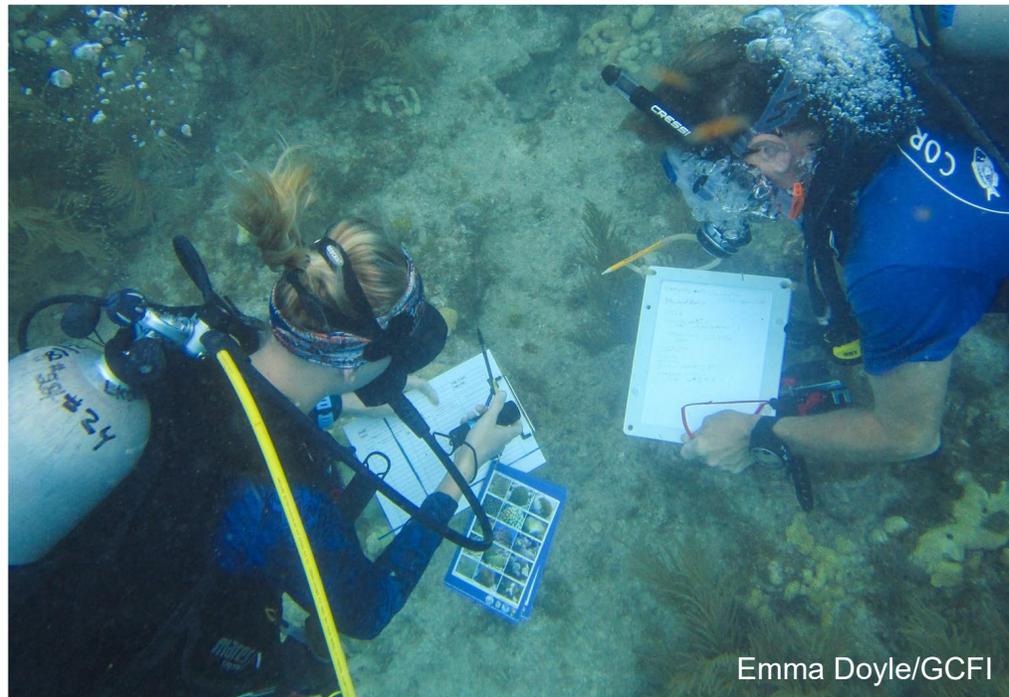


Karen Neely/NSU

- NOAA CRCP Strategic Plan
- Local SCTLD response plans
- US Virgin Islands - done
- Puerto Rico and Florida - in development



The Way Ahead



Emma Doyle/GCFI



LT Laura Rock, NOAA



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Thank You!

