

# Disease Frequency in Restored vs. Wild Staghorn (Acropora cervicornis) Sites in Bonaire, Dutch Caribbean

### Introduction

- A. cervicornis is a major structure-building coral for Caribbean reefs.<sup>1</sup>
- *A. cervicornis* mortality has increased drastically.<sup>1</sup>
- **Disease** has been found to be one of the main causes of A. cervicornis decline.<sup>1</sup>
- **Reef Renewal Bonaire** is a non-profit group working towards restoring this coral.
- **Restored sites**: Sites where *A. cervicornis* fragments are outplanted.
- Wild sites: Naturally-occurring A. cervicornis.

**HYPOTHESIS**: There will be a higher presence of disease within natural sites compared to restored sites, and disease presence will be correlated to the percentage of dead A. cervicornis.



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#### Methodology

taken of the corals along the transect.

machine-learning algorithm to identify substrate and organisms.

hand into different organism or substrate categories.

transect.

and % dead coral between wild and restored sites.

and disease.







