

# Research Overview

January 2018

CATEGORY	SUBJECT	ISLANDS	ORGANIZATION(S): LEAD SCIENTIST
Birds	Suitability study and reforestation of exclosures facilitating the Yellow-shouldered Amazon Parrots ( <i>Amazona barbadensis</i> )	BON	<b>Echo:</b> Lauren Schmaltz, Quirijn Coolen
Coral Reef ecosystems	Surveys (based on AGRRRA and GCRMN) for the assessment of fish and benthos communities including corals, algae, sponges to 20 m depth	BON	<b>WUR:</b> Erik Meesters Student: Roger Meijs, Sil Piek, Sarah Veillat, Yun Scholten <b>STINAPA</b>
Coral Reef ecosystems	Measuring sedimentation rate on coral reefs	EUX	<b>STENAPA:</b> Erik Houtepen <b>University of South Florida:</b> Chantale Bégin
Coral restoration	Investigating potential differences in fitness of <i>Acropora cervicornis</i> on CRF Bonaire coral restoration sites	BON	<b>CRFB:</b> Francesca Viridis <b>WUR:</b> Erik Meesters <b>VHL:</b> Jorien Rippen <b>Students:</b> Valeria Pesch, Jan Koschorrek
Environmental damage	Environmental Damage after Hurricanes Irma and Maria	SAB EUX SXM	<b>SCF:</b> Kai Wulf <b>STENAPA:</b> Clarisse Buma <b>NFSXM:</b> Tadzio Bervoets
Invasive species	Testing and comparing various lionfish traps to study their potential use in a directed lionfish fishery	SAB	<b>Leiden University:</b> Serena Rivero <b>WUR:</b> Dolfi Debrot <b>SCF:</b> Ayumi Izioka <b>7Senses:</b> Madelon van Eelderink & Evert-Jan van Hasselt
Invasive species	Research into mitigation measures for Sargassum Seaweed	SXM	<b>NFSXM:</b> Tadzio Bervoets <b>Government of St. Maarten</b>
Mangrove ecosystems	Pilot-scale testing and evaluation of mangrove ecosystem intervention options (sediment production by calcifying algae (esp. <i>Halimeda opuntia</i> and <i>incrassata</i> )) *Part of Nature Funding Project: Ecological restoration Lac Bay and South coast, Bonaire	BON	<b>WUR:</b> Dolfi Debrot, Douwe Boerstra (student) <b>STINAPA:</b> Sabine Engel
Multidisciplinary scientific expedition	National Initiative Changing Oceans (NICO) expedition (NWO-Science & NIOZ)  The multidisciplinary scientific expedition aimed at providing the Netherlands with a better understanding of changing seas and oceans, crucial for climate stability and sustainable economic activities.	All	See article on page 3

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Plants	Habitat preference native trees	BON	<b>WUR:</b> Klaas Metselaar, Maarten van Pelt (student) <b>Echo:</b> Lauren Schmaltz, Quirijn Coolen
Plants	Testing effective ways to grow native plants	BON	<b>Echo:</b> Quirijn Coolen, Johan van Blerk
Plants	Factors influencing growth analysis of planted native trees in herbivore free exclusion areas.	BON	<b>Echo:</b> Quirijn Coolen, Lauren Schmaltz <b>WUR:</b> Pieter Zuidema <b>VHL:</b> Anko Stilma <b>WUR:</b> Nils Buisman (student) <b>VHL:</b> Bram Dicou (student)
Plants	Germination of seeds of indigenous trees of Curaçao	CUR	<b>CARMABI:</b> John de Freitas
Reptiles	A population assessment of the Red-bellied racer snake in The Quill-Boven National Park	EUX	<b>UU:</b> Kevin Verdel <b>CNSI:</b> Hannah Madden
Seagrass	Evaluating the Carbon Sequestering Capacity of <i>Halophila stipulacea</i>	BON	<b>Loyola Marymount University:</b> Candice Cross (student), Demian Willette