

# Monitoring Overview

October 2017

CATEGORY	SUBJECT	ISLANDS	ORGANIZATION(S): LEAD SCIENTIST
Birds	Flamingo Abundance	BON	<b>DRO:</b> Frank van Slobbe <b>Cargill</b> <b>STINAPA:</b> Paulo Bertuol
Birds	Monitoring vulnerable parrot nests (remote camera sensing work)	BON	<b>Echo:</b> Laura Schmaltz, Sam Williams
Birds	Yellow-shouldered Amazon parrot roost counts	BON	<b>Echo:</b> Lauren Schmaltz <b>DRO:</b> Peter Montanus <b>STINAPA:</b> Paulo Bertuol
Birds	Bird Monitoring (Caribbean Waterbird Census)	AUA BON SXM	<b>FPNA</b> <b>DLVV:</b> Tatiana Becker <b>STINAPA:</b> Paulo Bertuol <b>EPIC:</b> Adam Brown
Birds	Tern monitoring (artificial nesting islands)	BON	<b>STINAPA:</b> Paulo Bertuol <b>Cargill</b> <b>DRO</b> <b>WUR:</b> Dolfi Debrot
Birds	Terrestrial Bird Monitoring Program for Bonaire	BON	<b>Echo:</b> Lauren Schmaltz <b>STINAPA</b>
Birds	Red-billed Tropicbird monitoring	SAB EUX	<b>STENAPA</b> <b>SCF:</b> Kai Wulf
Birds	Pelican monitoring	SXM	<b>NFSXM:</b> Melanie Meijer zu Schlochtern

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Coral reef ecosystems	Global Coral Reef Monitoring Network	BON CUR SAB EUX SXM	<b>STINAPA:</b> Caren Eckrich <b>CARMABI:</b> Mark Vermeij <b>SCF (SBMU):</b> Ayumi Izioka <b>STENAPA:</b> Jessica Berkel <b>NFSXM:</b> Tadzio Bervoets <b>CNSI:</b> Johan Stapel
Corals reef ecosystems	Doobies Crack reef damage recovery survey	EUX	<b>STENAPA:</b> Erik Houtepen
Corals reef ecosystems	Staghorn coral field monitoring survey	EUX	<b>STENAPA:</b> Jessica Berkel
Coral reef ecosystems	Monitoring and research of the longest coral reef time-series in the world (since 1973) (Part of BO-11-019.02-022 –Inventory corals)	BON CUR	<b>WUR:</b> Erik Meesters, Didier de Bakker (PhD student) <b>NIOZ:</b> Fleur van Duyl, Rolf Bak
Coral reef ecosystems	Coral reef monitoring (Since 2007 using AGRRA methods and filming of permanent transects)	BON	<b>CIEE:</b> Rita Pearchey
Environmental	Water quality testing	SXM	<b>NFSXM:</b> Tadzio Bervoets <b>EPIC:</b> Natalia Collier
Environmental	Nutrient (phosphate, ammonium, nitrate and nitrite) monitoring of St Eustatius' coastal waters	EUX	<b>CNSI:</b> Johan Stapel
Fish	Shark monitoring: - Shark sightings - Shark Abundance, distribution and movements (tagging, acoustic telemetry)	BON CUR SAB SXM EUX	<b>WUR:</b> Erwin Winter, Dolfi Debrot, Martin de Graaf <b>STINAPA:</b> Caren Eckrich <b>CARMABI:</b> Mark Vermeij <b>SCF(SBMU):</b> Ayumi Izioka <b>STENAPA:</b> Jessica Berkel <b>NFSXM:</b> Tadzio Bervoets
Fish	Spawning monitoring: Red hind surveys on Moonfish Bank	SAB	<b>SCF (SBMU):</b> Ayumi Izioka
Insects	Bee tracking	BON	<b>Echo:</b> Lauren Schmaltz



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Invasive species	Goat and/or donkey removal: -Washington Slagbaai National Park - Lac Bay area (exclusion plots) - Quill National Park (exclusion plots)	BON EUX	<b>STINAPA: Paulo Bertuol</b> <b>WUR: Dolfi Debrot</b> <b>DRO: Frank van Slobbe</b> <b>STENAPA</b>
Invasive species	Lionfish abundance and control	BON CUR SXM SAB EUX	<b>STINAPA: Paulo Bertuol</b> (50 meter traps) <b>CARMABI: Mark Vermeij</b> <b>NFSXM: Tadzio Bervoets</b> <b>SCF (SBMU): Ayumi Izioka</b> <b>STENAPA: Jessica Berkel</b>
Invasive species	Monkey Monitoring: abundance and distribution	SXM	<b>NFSXM: Tadzio Bervoets</b>
Invasive species	Feral pig population assessment (trapping)	BON	<b>Echo: Nathan Schmaltz, Sam Williams</b>
Mammals	Bat monitoring	AUA BON	<b>FPNA</b> <b>WildConscience: Fernando Simal, Linda Garcia</b>
Mammals	Dolphin monitoring (since 1999)	BON	Ron Sewell
Mammals	Caribbean Humpback Acoustic Monitoring Programme (CHAMP)	BON, AUA	<b>NOAA: Heather Heenehan, Sofie Van Parijs, Peter Corkeron, Fred Wenzel</b> <b>STINAPA: Wijnand de Wolf</b> <b>AMMF: Angiolina Henriquez</b> <b>RCN: Paul Hoetjes</b>
Mammals	Marine Mammal Monitoring (noise loggers Saba Bank)	SAB	<b>WUR: Dick de Haan, Dolfi Debrot</b> <b>SCF (SBMU): Ayumi Izioka</b>
Molluscs	Conch ( <i>Strombus gigas</i> ) on St. Eustatius, Saba Bank, Anguilla	SAB EUX	<b>WUR: Martin de Graaf, Erik Boman (PhD student)</b> <b>SCF (SBMU): Ayumi Izioka</b>

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Natural resource use	Fishery monitoring (including lionfish, shark bycatch and marine mammal sightings) (* Part of BO-11-019.02-055 – Fisheries Dutch Caribbean)	SAB EUX	<b>SCF (SBMU):</b> Ayumi Izioka <b>Gem City Consulting:</b> Erik Boman <b>LVV:</b> Kiman Kitson-Walters <b>WUR:</b> Dolfi Debrot, Fedor den Elzen (student), Ivo (student) Damen
Plants	Phenology of bats in cacti landscapes of Aruba	AUA	<b>WildConscience:</b> Linda Garcia, FPNA
Plants	Monitoring of tree growth and survivorship in reforestation areas	BON	<b>Echo:</b> Quirijn Coolen, Nicholas Verhey
Plants	Terrestrial Habitat Monitoring Program for Bonaire	BON	<b>Echo:</b> Lauren Schmaltz
Reptiles	Lesser Antillean Iguana: Monitoring population density & removing invasive Green Iguana and hybrids	EUX	<b>STENAPA</b> <b>RAVON:</b> Tim van Wagenveld <b>EcoPro:</b> Hannah Madden
Reptiles	Boa and Cascabel Monitoring	AUA	<b>FPNA, Toledo Zoological Society:</b> Andrew Odum
Reptiles	Behavior of the endemic Aruban Whiptail lizard	AUA	<b>FPNA, Auburn University:</b> Jeff Goessling (PhD candidate)
Seagrass and mangrove ecosystems	Seagrass and mangrove monitoring (BON: also conch and benthic fauna)	BON SXM	<b>STINAPA:</b> Sabine Engel, Caren Eckrich <b>WUR:</b> Klaas Metselaar <b>NFSXM:</b> Tadzio Bervoets
Seagrass and mangrove ecosystems	Seagrass restoration BESE elements	BON	<b>RU:</b> Marjolijn Christianen <b>STINAPA :</b> Sabine Engel
Reptiles	Sea turtle monitoring: -Satellite tracking -Nest monitoring -In water surveys (BON, CUR, SXM) -Fibropapillomatosis presence (BON)	AUA, BON, CUR, SAB, EUX, SXM	<b>TurtugAruba Foundation</b> <b>STCB:</b> Mabel Nava <b>CARMABI (STCC):</b> Sabine Berendse <b>STENAPA:</b> Jessica Berkel <b>SCF:</b> Kai Wulf <b>NFSXM:</b> Tadzio Bervoets