

Fernando Simal Busto

WILDCONSCIENCE B.V.

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EDUCATION

- 2003, MSc. Nature Conservation and Management, University of Cádiz, Spain.
- 1987, BSc. Biology, University of Louisiana at Monroe, U.S.A.

WORK

- September 2014-Present Co-Managing Director and Founder WILDCONSCIENCE B.V.
- January 2010 – August 2014 Manager, Natural and Historic Resources Unit. STINAPA Bonaire.
- October 2000 – January 2010 Manager, Washington-Slagbaai National Park, STINAPA Bonaire.
- Years 2002 and 2004 Interim Manager, Bonaire National Marine Park, STINAPA Bonaire.
- January 2000 – October 2000 Manager, SCUBA Diving Center, La Salle Foundation for Natural Sciences, Isla de Margarita, Venezuela.

EXPERIENCE/SPECIALITIES

- 14 years of experience in management of terrestrial and marine national parks.
- Design and implementation of base line research and monitoring for terrestrial, aquatic and seabirds.
- Bat research and monitoring.
- Cave mapping.
- Grant proposal writing for nature conservation projects.
- Management of nature conservation projects.
- Elaboration and management of annual budgets.
- Creation and implementation of plans for eradication and control of exotic species.
- Training and supervision of National park staff.
- Writing articles for social media.
- Participation in drafting new legislation for conservation.
- Design, text and layout for nature conservation and natural sciences museum exhibits.
- Writing and implementing national park management plans.
- Workshop and strategic meeting facilitator.

PROFFESIONAL DEVELOPMENT (COURSES AND WORKSHOPS)

- 2014- Protection and Management of Underwater Cultural Heritage for the Caribbean States. UNESCO Foundation. St. Eustatius, Dutch Caribbean.
- 2013-Marine Mammal Entanglement Response. International Whaling Commission. St. Maarten, Dutch Caribbean.
- 2012- International Seabird Capacity Building Workshop, SCSCB. San Salvador, Bahamas.
- 2012- Bats Taxonomy, Ecology, Conservation and Field Techniques, CEBIO. Research Center Jenaro Herrera, Peru.

- 2011- Technical Diver (Mixed Gases and Decompression Procedures), TDI. Bonaire. Dutch Caribbean.
- 2011- Cave Mapping, STINAPA Bonaire, Bonaire.
- 2010- ArcGIS 10. ArcEditor. Google Earth Pro. ESRI4, Bonaire.
- 2008- Waterbird monitoring workshop. SCSCB, Providence, Bahamas.
- 2007- Environmental Impact Assessment for Ramsar designated Wetlands. CREHO/Ramsar. Panamá.
- 2006- Water run-off management for restoration of degraded habitats. CARMABI, Curaçao.
- 2005- Course and oath taking as Extraordinary Police Officer, Island Government, Bonaire.
- 2005- Boat captain. Island Government, Bonaire.
- 2004- Marine Protected Area Management. Training of Trainers, UNEP/ICRAN. Soufriere, Santa Lucía.
- 1990- SCUBA Diving Instructor, NAUI, PADI, SSI. Marathon Key, USA.
- More courses and diplomas available upon request.

PARTICIPATION AT SCIENTIFIC AND CONSERVATION MEETINGS

- **Simal, F.**, Sorenson, L., Gerbracht J., Rivera-Milán, F., Abundance of migratory shorebirds at a salt production facility on the South of Bonaire, Dutch Caribbean. 20th International Meeting BirdsCaribbean. Kingston, Jamaica July 25th- 29th, 2015. Oral presentation.
- **Simal, F.**, Nassar, J.M., Garcia, L. , Doest O., de Lannoy, C., Advances in the studies of *Leptonycteris curasoae*, in the Islands of Aruba, Bonaire ,Curaçao and Northwestern Venezuela. I COLAM (I Latin American Bat Congress) Quito, Ecuador. August, 6th-9th, 2014. Oral presentation.
- **Simal, F.**, Nassar, J.M., Garcia, L. , Doest O., de Lannoy, C., AICOMs and SICOMs on the Islands of Aruba, Bonaire and Curacao. (I Latin American Bat Congress) Quito, Ecuador. August, 6th-9th, 2014. Oral presentation.
- Rivera-Milán, F., **Simal, F.** Density and Abundance of Yellow-shouldered Parrots (*Amazona barbadensis rothchildi*) on Bonaire, Dutch Caribbean. XVIII Meeting of the Society for the Conservation and Study of Caribbean Birds. Freeport, Grenada. July 21st -25th, 2011. Oral presentation.
- de Leon, R. **Simal, F.**, Effectiveness of management actions on lionfish control in the Islands of Bonaire and Curaçao, Dutch Caribbean. I Workshop on Lionfish Mangementfor the French Caribbean. CRPMEM and CAR_SPAW, Guadeloupe, July 10th-11th 2013. Oral presentation.
- **Simal, F.**, Nassar, J.M., García-Rawlins, A. Identification of diurnal roosts and first population estimates of the Long-nosed bat, *Leptonycteris curasoae*, in Bonaire, Dutch Caribbean. I International Bat Symposium, Lima, Peru. January 13th -15th, 2010. Oral presentation.
- **Simal, F.**, Nassar, J.M., García-Rawlins, A. Identification of diurnal roosts and first population estimates of the Long-nosed bat, *Leptonycteris curasoae*, in Bonaire, Dutch Caribbean. Bat Conservation and Biology Symposium. IX Venezuelan Ecology Congress. Margarita Island, Nueva Esparta. November 21st -26th, 2011. Oral presentation.
- **Simal, F.** A proposal to increase the area of the Washington-Slagbaai National Park and its designation as a Ramsar site. II Meeting of the Caribbean Regional Initiative for the wise use of wetlands in the framework of the Ramsar Convention. Bonaire, July 6th – 9th, 2011. Oral presentation.
- Rivera-Milán, F., **Simal, F.** Density and Abundance of Yellow-shouldered Parrots (*Amazona barbadensis rothchildi*) and Brown-throated Parakeets (*Aratinga pertinax xanthogenius*) on Bonaire, Netherland Antilles. XVIII Meeting of the Society for the Conservation and Study of Caribbean Birds. Freeport, Bahamas. July 21st -25th, 2011. Oral presentation.
- **Simal, F.** History and Management of Bonaire´s Natural Protected Areas. I Congress WildAruba, Aruba. August 25th – 29th, 2008. Oral presentation.
- **Simal, F.** Financial sustainability of a Marine Protected Area. II Workshop South Caribbean Alliance, Margarita Island, Venezuela. November 12th – 16th, 2007. Oral presentation. .

- de Mayer K, **Simal, F.** The Bonaire National Marine Park – A Model of Success. Tropical Americas Regional Workshop. ICRI, CONANP, UNEP-CAR/RCU. Cancún, México. June 10th – 14th, 2002. Oral presentation.

BOOKS

- Bird Gide to the Washington Slagbaai National Park. Dutch Caribbean Nature Alliance, Nature Guide Series No. 002. Bonaire, Dutch Caribbean. Contributing authors: Florence Depondt, Nathaniel Miller, Marvin Vasquez, Elsmarie Beukenboom and **Fernando Simal**.

SCIENTIFIC PUBLICATIONS

- **Fernando Simal**, Odette Doest, Clifford de Lannoy, Linda Garcia-Smith, John de Freitas, Daniela Simal, Paulo Bertuol and Jafet Nassar. Island-island and island-mainland movements of the Curaçaoan long-nosed bat, *Leptonycteris curasoae*. Journal of Mammalogy, 96(3):579-590, 2015 DOI: 10.1093/jmammal./jyv063
- Frank F. Rivera-Milán, Paulo Bertuol, **Fernando Simal** and Bonnie L. Rusk. Distance sampling surveys and abundance estimation of the critically endangered Grenada dove. The Condor 117(1): 87-93.2015
- Ramón de León, Kim Vane, Paulo Bertuol, Valérie C. Chamberland, **Fernando Simal**, Eseld Imms, Mark J. A. Vermeij, 2013. Effectiveness of lionfish removal efforts in the southern Caribbean. Endangered Species Research. Vol. 22: 175–182, 2013doi: 10.3354/esr00542.
- Roxanne J. Larsen, Peter A. Larsen, Hugh H. Genoways, Francois M. Catzeflis, Keith Geluso, Gary G. Kwiecinski, Scott C. Pedersen, **Fernando Simal**, Robert J. Bakera, 2012. Evolutionary history of Caribbean species of Myotis, with evidence of a third Lesser Antillean endemic. Mammalian Biology 77(2012): 124-134
- Richard H. Witte, Luis A. Bermudez-Villapol, Gerard van Buurt, Adolphe O. Debrot, **Fernando Simal** and Hans Verdaat 2011. First record of Fraser’s dolphin *Lagenodelphis hosei* Fraser, 1956 for the Dutch Caribbean. Marine Biodiversity Records 5: 1-4

TECHNICAL REPORTS

- Sorenson L., **Simal, F.**, Gerbracht. Building capacity for waterbird and wetland conservation in the Dutch Caribbean: Results of a training workshop and Caribbean Waterbird Census (CWC) surveys. March, 2015, BirdsCaribbean to Canada Environment.
- de Graaf, M. and **Simal, F.**, Disease of juvenile fish (Chapter 8 of the technical report: Status and trends of Bonaire’s coral reef in 2015: Slow but steady signs of resilience). June, 2015. University of Maine to STINAPA Bonaire.
- de Graaf, M. and **Simal, F.**, Quicksan to assess the prevalence of dermal parasites among coral reef fishes of Bonaire. May, 2015. IMARES to Island Government of Bonaire.
- Nassar, J.M., **Simal, F.**, Doest, O., Castillo, L., Estrada, S. August 2014, Final Report for Bat Conservation International and the Disney World Wildlife Fund. Project: Saving a Key Caribbean Pollinator.
- **Simal, F.**, Doest, O., de Lannoy, C., Garcia-Smith, L., Nassar, J.M., March, 2014, Application for the designation of the area “North Coast Strip” in the Island of Curaçao as AICOM (Important Area for Bat Conservation) PPRABC to RELCOM.
- **Simal, F.**, Doest, O., C., Garcia-Smith, L., Franken, F., Nassar, J.M., Application for the designation of the area Arikok in the Island of Aruba as AICOM (Important Area for Bat Conservation) PPRABC to RELCOM.
- Sarah R. Smith, Narangerel Davaasuren, Adolphe O. Debrot, **Fernando Simal** and John A. De Freitas Preliminary Inventory of Key Terrestrial Nature Values of Bonaire. March 2012 IMARES, Wagenigen UR to Ministry of Economic Affairs, Agriculture and Innovation, The Netherlands.
- **Simal, F.** September 2011, A proposal to increase the area of the Washington Slagbaai National Park and its designation as a Ramsar site. STINAPA Bonaire to Island Government.

- **Simal, F.**, Nassar, J.M., August 2011, Application for the designation of the cave “Pos de Kalbas” as a SICOM (Important Site for Bat Conservation). PPRABC to RELCOM.
- **Simal, F.**, Nassar, J.M., August 2011, Application for the designation of an AICOM for the Island of Bonaire. (Important Area for Bat Conservation). PPRABC to RELCOM. PPRABC
- Buitrago, J., M. Rada, M. E. Barroeta, E. Fajardo, E. Rada, **F. Simal**, J. Monente, J. Capelo, J. Narváez. 2010. Physico-Chemical Indicator’s Monitoring for Water Quality in the Salinas of Northwest Bonaire, Netherlands Antilles. A base line study.
- Rivera-Milán F., **Simal, F.** Density and Abundance of Yellow-shouldered Parrots (*Amazona barbadensis rothschildi*) and Brown-throated Parakeets (*Aratinga pertinax xanthogenius*) on Bonaire, Netherlands Antilles. Reports: December 2009, March and October 2010, March and October 2011 and March 2012.
- **Simal, F.** Waterbirds Monitoring Program, Year Reports 2008, 2009 and 2010. STINAPA Bonaire.
- **Simal, F.** Brown Boobies Monitoring Program, Year reports 2008, 2009 and 2010. STINAPA Bonaire.
- **Simal, F.** Washington Slagbaai National Park Management Plan, 2006-2010. 2005, STINAPA Bonaire.

RESEARCH, MONITORING AND NATURE MANAGEMENT PROJECTS.

- Baseline research on nesting seabirds on Washinton Slagbaai National Park.
- Bat Research and Conservation Program for the islands of Aruba, Curacao y Bonaire.
- Monitoring Program (Caribbean Waterbird Census) for aquatic and shore birds inhabiting the salinas of Northwestern Bonaire.
- Monitoring program for the terrestrial birds of the island of Bonaire.
- Monitoring program for the Brown Booby (*Sula leucogaster*) colony at Malmok, Bonaire.
- Monitoring program for the nesting season of Yellow-shouldered parrot (*Amazona barbadensis rotsch.*) in the island of Bonaire.
- Monitoring program for coral bleaching in the Bonaire National Marine Park. Bonaire, Dutch Caribbean.
- The Bonaire Cave System Mapping Project
- Eradication and Control Program for exotic species of vertebrates in the Washington-Slagbaai National Park. Bonaire, Dutch Caribbean.
- Eradication and Control program of Lionfish in the Bonaire National Marine Park.
- Cave use dynamics of the bat fauna of Bonaire.
- An evaluation of the effectiveness of management actions on Lionfish populations on the Bonaire National Marine Park and the coral reefs of Curacao.

LANGUAGES

| | SPEAK | READ | WRITE |
|-------------------|--------------|-------------|--------------|
| SPANISH | EXCELLENT | EXCELLENT | EXCELLENT |
| ENGLISH | EXCELLENT | EXCELLENT | EXCELLENT |
| PAPIAMENTO | EXCELLENT | EXCELLENT | GOOD |
| DUTCH | POOR | REGULAR | POOR |

OTHER ACTIVITIES OF INTEREST

- History.
- Music.
- Yoga
- Sports (long distance races, mountain bike, surf, open water swimming).

PERSONAL INFORMATION

- Place and date of birth: Asturias, Spain. November, 28th, 1963
- Nationality: Spanish
- Country of Residence: Bonaire, Dutch Caribbean.