



3rd Caribaea Initiative Research & Conservation Workshop
May 28th - June 01st, 2018
Hotel La Créole Beach, Guadeloupe

PROGRAM

** denotes speakers eligible for the Dawn A.T. Phillip Award for the best student talk*

Monday 28th May 2018

8:30 – 18:00 STUDENT TRAINING SESSION

8:30 – 10:30 François Bretagnolle: Interspecific networks and biodiversity

10:30 – 11:00 *Coffee break*

11:00 – 12:30 Jenny Daltry: How to write a small grant proposal

12:30 – 14:00 *Lunch*

14:00 – 18:00 Jean-Michel Gaillard and Roger Pradel: Model selection in ecology and evolution

17:00 – 20:00 Registration to the Workshop, Main Hall, Hotel La Créole

Tuesday 29th May 2018

8:00 – 8:45 Registration to the Workshop, Main Hall, Hotel La Créole

9:00 – 9:45 **Opening Ceremony**

- Sylvie Gustave dit Duflot, Vice-Présidente, Conseil Régional de Guadeloupe
- Josette Borel-Lincertin ou son représentant, Conseil départemental de la Guadeloupe
- Olivier Gros, Vice-Président à la recherche, Université des Antilles
- Frank Cézilly, Président, Caribaea Initiative

9:45 – 12:30 SESSION 1– CARIBBEAN BIODIVERSITY AND CONSERVATION

Chair: Frank Cézilly

9:45 – 10:45 Anne Maguran (Plenary conference): Biodiversity change in island ecosystems

10:45 – 11:15 *Coffee break*





11:15 – 11:30 Jean-Marry Exantus*: Spatial variation in the composition and diversity of avian communities: influence of the proximity to a large green zone in the area of Port-au-Prince, Haiti

11:30 – 11:45 Pierre Michard Beaujour*: Spatial variation in the composition and diversity of communities of pollinating insects: influence of the proximity to a large green zone in the area of Port-au-Prince, Haiti.

11:45 – 12:00 James Josaphat*: Freshwater fish diversity in the Caribbean: a review

12:00 – 12:15 Lens Jerry Saint-Louis*: Trou Caïman as an important bird area in eastern Haiti: confirming evidence from recent census

12:15 – 12:30 Aloysius Charles: Conservation of two reptile species endemic to St Lucia

12:30 – 14:00 Lunch

14:00 – 16:00 SESSION 2 – CONSERVATION ACTIONS AND PROGRAMS IN THE INSULAR CARIBBEAN

Chair : Thierry Perez

14:00 – 14:20 Frédérique Fardin: The GCFI: An institution promoting education, research, and cooperation in the marine sciences throughout the Gulf and Caribbean region

14:20 – 14:40 Michelle Duvivier Pierre-Louis: Haiti biodiversity, an urban experience

14:40 – 15:00 Jean-Marc Blazy: A climate-smart farming system for enhancing biodiversity conservation in the Caribbean

15:00 – 15:20 Sita Narayanan: Cáyoli, Guadeloupe Port Caraïbes Natural Areas Management Plan

15:20 – 15:40 Etienne Bezault: Developing an ecological and conservation genetics resource center and network in the Caribbean

15:40 – 16:10 Coffee break





16:10 – 18:00 SESSION 3 – FUNDING CONSERVATION PROGRAMS IN THE INSULAR CARIBBEAN

Chair : Jean-Michel Gaillard

16:10 – 16:30 Elise Queslin: BEST a funding mechanism to promote Biodiversity and Ecosystem Services in outermost regions and overseas countries and Territories

16:30 – 16:50 Gilles Bajazet: Protect and capitalise on the Caribbean natural heritage: funding opportunities offered by INTERREG Caraïbes

16:50 – 17:10 Olivier Langrand: A new five-year grant-making phase for Biodiversity Conservation made available through CEPF to the Caribbean Civil Society

17:10 – 18:00 General discussion

Wednesday 30th May 2018

8:15 – 12:30 SESSION 4 – CLIMATE CHANGE AND BIODIVERSITY IN THE CARIBBEAN

Chair: Malika Trouillefou

8:15 – 9:15 Ali Belmadani (Plenary conference): Future climate change in the Antilles: Regional climate, tropical cyclones and sea states

9:15 – 9:35 Yamilka Rodriguez Gomez: Evidence for seasonal reproduction in two species of Cuban anurans

9:35 – 9:50 Rachel Batista Alvarez*: Thermal ecology of the *Anolis rubribarbus* species group (Reptilia: Dactyloidae)

9:50 – 10:10 Coffee break

10:10 – 11:10 Carrie Manfrino (Plenary conference): Biodiversity and climate change in the Caribbean: coral reefs of the future

11:10 – 12:30 SESSION 5 – BEHAVIOURAL ECOLOGY

Chair: Guillaume Rieucou

11:10 – 11:30 Simon Guerrero: Nidification of the Hispaniolan Trogon (*Priotelus roseigaster*. Aves: Trogonidae) in the Ébano Verde Scientific Reserve, La Vega, Dominican Republic

11:30 – 11:50 Annabelle Vidal*: Progress in the study of the adaptation of the Cuban forest lizard, *Anolis homolechis*, to suburban environments





11:50 – 12:10: Steven Son*: Behavioural patterns for the White-breasted Thrasher *Ramphocinclus brachyurus brachyurus*: the socio-ecological conservation approach

12:10 – 12:30 Lou Frotté*: Is food nutritional quality the stimulus to upstream migration of diadromous species?

12:30 – 14:00 Lunch

14:00 – 16:30 SESSION 6 – GENETIC AND ECOLOGICAL DIVERSITY

Chair: Etienne Bezault

14:00 – 15:00 Delano Lewis (Plenary conference): Genetic diversity and differentiation patterns in the tropical butterfly genus *Papilio* (*sensu lato*)

15:00 – 15:20 Aurélien Japaud*: Genetic diversity and connectivity of *Acropora* corals of the Lesser Antilles

15:20 – 15:40 Christopher Cambrone*: Population biology of the Caribbean endemic White-crowned Pigeon, *Patagioenas leucocephala*: census and first genetic analysis of the Guadeloupean population

15:40 – 16:00 Marine Durocher*: Diversity of a now extinct rodent of the Lesser Antilles, eaten by the pre-Columbian Ceramic populations: The rice rat (*Oryzomyini* tribe)

16:00 – 16:30 Coffee break

16:30 – 17:35 SESSION 6 – GENETIC AND ECOLOGICAL DIVERSITY

Chair: Jean-Michel Gaillard

16:30 – 16:45 Amélie Laporte*: Metagenomics as a tool to uncover ecological diversity in Mangroves

16:45 – 17:05 Daniele Gaspard: Brachiopod diversity around the French Lesser Antilles (Caribbean)

17:05 – 17:20 Claudia Loiz*: Diversity and level of endemism of Arctiinae (Lepidoptera: Erebidae) in relation to the diversity and level of endemism of the vegetation in Western Cuba

17:20 – 17:35 Léonide Celini: Saint Barthelemy's myrmecophile biodiversity for the Saint Barth essential association





18:00 – 20:00 TABLE RONDE : *Quel impact du changement climatique sur la biodiversité des Antilles ?* (Université des Antilles, Amphithéâtre Méréault) – in French (open to the general public)

Thursday 31st May 2018

8:30 – 10:30 SESSION 7 – VETENARY SCIENCES (CONCURRENT SESSION)

Chair: Alain Sandoz

8:30 – 8:50 Agnès Leblond: West Nile fever: an european perspective

8:50 – 9:10 Magalie René-Martellet: Ticks and tick borne pathogens: about the importance of active surveillance

9:10 – 9:30 Manon Gatti: Avian influenza in wild birds for risk mapping in the French West Indies and French Guiana

9:30 – 9:50 Nonito Pages Martinez: Unravelling vector-borne transmission networks: dynamics of West Nile virus, mosquito communities and their hosts across different habitats in Guadeloupe

9:50 – 10:10 Nicole Atherley*: The biology, ecology and diseases of the Caribbean spiny lobster: A PhD study

10:10 – 10:30 Anne Becker: Caribbean fauna conservation: a veterinary perspective

8:30 – 10:30 SESSION 8 – BIOLOGICAL INVASIONS (CONCURRENT SESSION)

Chair: Claude Bouchon

8:30 – 8:50 Anthony Herrel: Recovery of an island ecosystem after eradication of rats and goats: the lizards of Redonda

8:50 – 9:10 Geraldine Veron: Dispersal of invasive carnivores in the French West Indies

9:10 – 9:30 Vivien Louppe*: Investigating favorable environmental characteristics of a global invasive carnivore, *Procyon lotor*, at both the global scale and the West Indies scale

9:30 – 9:50 Amy Deacon: How to be a successful invader: lessons from the Trinidadian guppy

9:50 – 10:10 Yolande Bouchon-Navaro: *Pterois volitans* in the French Antilles: from an invasive to a naturalized species





10:10 – 10:30 Susan C. Jones: Invasive subterranean termites (*Coptotermes* spp., *Heterotermes* spp.) in the Caribbean Region

10:30 – 11:00 Coffee break

11:00 – 12:30 SESSION 9 – CONSERVATION OF CARIBBEAN ENDEMIC SPECIES

Chair: Jenny Daltry

11:00 – 11:20 Rafael Borroto-Paez: Conservation of Cuban land mammals: gaps of knowledge and challengers

11:20 – 11:40 Maikel Cañizares Morera: Twenty years of psittacids management in Central Cuba

11:40 – 12:00 Luis M. Diaz: The diversity of Cuban Anolis (Reptilia: Dactyloidae): new taxonomic challenges after molecular phylogeny

12:00 – 12:15 Sergio del Castillo*: Use of PVC pipe refugia as a sampling and management design for Cuban endemic amphibians

12:15 – 12:30 Jeffrey Mackenzy Paul* Status and monitoring of the Hispaniolan endemic freshwater turtle, *Trachemys decorata*, population of Trou-Caïman, eastern Haiti

12:30 – 14:00: Lunch

14:00 – 16:00 SESSION 10 – MARINE ECOLOGY AND CONSERVATION

Chair: Henri Vallès

14:00 – 14:20 Guillaume Rieucan: Context-dependence shoaling tendencies and collective reactions in free-ranging marine fishes: A conservation tool?

14:20 – 14:40 Jeniece Germain*: Determinants of habitat use in cleaner gobies *Elacatinus evelynae* and *E. prochilos* in Barbados

14:40 – 15:00 Tyann Henry*: God Save the Queen! : An approach to the sustainable management of Trinidad And Tobago's Queen Conch resources

15:00 – 15:20 Reia Guppy: Preliminary sea turtle hatchling gender analysis using TSOX9, DMRT1, β -ACTIN, and FOXL2 mRNA analyses

15:20 – 15:35 Claudia Ruiz Valdès*: Identification of major feeding areas of *Chelonia mydas* (Testudines, Cheloniidae) in the Cuban archipelago





15:35 – 15:55 Charlotte R. Dromard: Do herbivorous fish assemblages reflect the diversity of their trophic niche?

16:00 – 16:30 *Coffee break*

16:00 – 18:00 SESSION 10 – MARINE ECOLOGY AND CONSERVATION

Chair: Sophie Arnaud-Haond

16:30 – 16:50 Zenaida Navarro Martinez: An approach to Cuban marine science from CIM-UH

16:50 – 17:10 Henri Vallès: A preliminary analysis of spatial and temporal trends in the benthic composition of Barbados' coral reefs between 1997 and 2012

17:10 – 17:30 Sandrine Grouard: The Haemulidae and the mangrove exploitation in the Lesser Antilles since 6000 years

17:30 – 17:50 Pascal Jean Lopez: The OHM Port Caraïbe: an interdisciplinary tool to study the trajectories of socio-environmental ecosystems

17:50 – 18:10 Daniel Imbert: Historic and pre-historic landscape changes within Caribbean coastal wetlands: disentangling natural disturbances from anthropogenic activities





19:30 – 00:30 GALA EVENING AT THE CREOLE BEACH HOTEL (preregistration required)

- Cocktail reception
- Address by the Honorable Pierre-Simon Georges, Minister of Environment of the Republic of Haiti
- Dawn A.T. Phillip award for the best student talk ceremony
- Banquet
- DJ party

Friday 1st June 2018

9:30 – 12:30 Meeting of the Caribaea Initiative Scientific Council

Excursions (preregistration required)

List of sessions

- Session 1 – Caribbean biodiversity and conservation
- Session 2 – Conservations actions and program in the insular Caribbean
- Session 3 – Funding for conservation programs in the insular Caribbean
- Session 4 – Climate change and biodiversity in the Caribbean
- Session 5 – Behavioural ecology
- Session 6 – Genetic and ecological diversity
- Session 7 – Veterinary sciences and conservation
- Session 8 – Biological Invasions
- Session 9 – Conservation of Caribbean endemic species
- Session 10 – Marine ecology and conservation

