GUIDE

Island BIOLOGY

La Réunion 8-13 JULY 2019

Université de la Réunion

Campus du Moufia

UNIVERSITÉ DE LA RÉUNION

CONFERENCE CHAIRS

Claudine **AH-PENG**
Dominique **STRASBERG**

ORGANIZING COMMITTEE

Claudine **AH-PENG**
Dominique **STRASBERG**
Olivier **FLORES**

Logistic support: Research and Development head of the University of La Réunion / Nexa / Design System / Even&Sciences

SCIENTIFIC COMMITTEE

- **Dr. Ah-Peng** Claudine, University of La Réunion, France
- **Dr. Baider** Claudia, Herbarium of Mauritius Ministry of Agriculture, Mauritius
- **Dr. Becker** Nathalie, Muséum National d'Histoire Naturelle, France
- **Dr. Borges** Paulo, University of Azores, Portugal
- **Dr. Chabanet** Pascale, IRD Réunion, France
- **Pr. Drake** Don, University of Hawaii, United States
- **Pr. Fernandez-Palacios** José Maria, University of La Laguna, Spain
- **Dr. Florens** Vincent, University of Mauritius, Mauritius
- **Dr. Flores** Olivier, University of La Réunion, France
- **Dr. Goodman** Steven, Field Museum, Madagascar
- **Pr. Kueffer** Christophe, University of Zürich, Switzerland
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- **Pr. Lecorre** Matthieu, University of La Réunion, France
- **Dr. Lequette** Benoit, National Park of La Réunion, France
- **Dr. Marteau** Cédric, Terres Australes et Antarctiques Françaises, France
- **Dr. Martos** Florent, Muséum National d'Histoire Naturelle, France
- **Dr. Meyer** Jean-Yves, Gouvernement de Polynésie Française, France
- **Dr. Radjassegarane** Soudjata, La Région Réunion, France
- **Dr. Rouget** Mathieu, CIRAD, France
- **Pr. Strasberg** Dominique, University of La Réunion, France
- **Pr. Thébaud** Christophe, University of Toulouse, France
- **Dr. Valente** Luis, Leibniz Institute for Evolution and Biodiversity Science, Germany
- **Dr. Wilding** Nicholas, Missouri Botanical Garden, United States

PLENARY LECTURES

Monday, July 8th
Tuesday, July 9th
Thursday, July 11th

ORAL REGULAR SESSIONS

Monday, July 8th
Tuesday, July 9th
Thursday, July 11th
Friday, July 12th

POSTER SESSIONS

Monday, July 8th
Tuesday, July 9th
Thursday, July 11th
Friday, July 12th

Moufia (Saint-Denis)
Campus du Moufia
Université de La Réunion
15 avenue René-Cassin - CS 92003
97744 Saint-Denis Cedex 9

foreword

The University of La Réunion is delighted to be the venue for the next international Island Biology conference. After Hawaii and the Azores, the third Island Biology conference will be held in July 2019 (8 - 13) on La Réunion in the heart of the Malagasy Region biodiversity hotspot.

Our ambition for this third edition was to connect "small" oceanic islands and large "continental" ones, both hotspots for biodiversity research and conservation, but the latter more often overlooked in the classical island biology literature compared to island "models" like the Hawaiian or Galapagos archipelagoes.
At the crossroad of three major biogeographical regions of the world (Afrotropical, Indomalayan, Australasian), the Indian Ocean hosts islands of highly contrasting climate, from tropical down to Antarctic conditions, and of highly contrasting size, from immense islands facing environmental challenges of a continental scale down to small islands paving the way for restoration and rewilding projects. The conference, which will gather scientists and practitioners from all over the world working together on islands, will have a particular focus on ecology, evolution, conservation and biogeography of terrestrial and marine biotas.

This 3rd edition welcomes around 400 people from 45 countries and more than 200 institutions. Terrestrial and marine biodiversity, large vs. small islands, global change, rewilding, novel ecosystems, long-term biodiversity monitoring, species interactions and networks, epidemiology and emergent diseases, paleobiology and biogeography, ecology and society, and interdisciplinary studies (Humanities, Earth sciences, ...) are the key conference themes.

As part of this 3rd edition of the international Island Biology conference, a conference village portraying biodiversity and conservation initiatives for the South West Indian Ocean will run over two days (8-9 July) with the aim of promoting the knowledge and skills of stakeholders in our regional biodiversity and initiating exchanges with our visitors.

In addition, our regional agency Nexa will present European funding opportunities for Biodiversity and Conservation projects and time will be allocated for networking and research opportunities on island ecosystems.

We are wishing you a fruitful scientific stay in La Réunion!

Claudine Ah-Peng, Olivier Flores & Dominique Strasberg

Island Biology 2019 practical matters

Welcome to the 3rd Island Biology hosted by the University of La Réunion in Saint-Denis. After two successful conferences, one in Hawaii and one in the Azores, we are hoping that you will fully enjoy yourself at this third edition and get the most out of participating in the Island Biology 2019 conference.

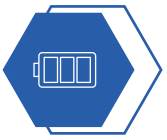
We provide information in this conference guide that will help you to find your way between the city (Saint Denis) and the conference venue : Moufia campus of the University of La Réunion. A simplified map is added at the end of this guide (page 4) for the conference venue and from Saint-Denis downtown.

Conference Secretariat

The conference Secretariat is located in the hall of the "Amphi Bioclim" on the Moufia Campus in Saint-Denis, and will be open Monday July 8th, Tuesday July 9th, Thursday 11th, Friday 12th from 8.30-11 am and 1.30-3.30 pm. It may reached by phone:+ 262 6 93 46 55 57 – Audric Patchie.

Emergencies

Please contact any member of the staff with colored t-shirt. In case of emergency, call the national emergency number 18, paramedics 15, police 17.



Power outlet and Internet Access

Power outlets are available at designated points in the conference halls and rooms for charging electronic devices (NOTE: voltage 220-240 V, socket type Europlug and Schuko).

Wi-Fi code on campus:
Login: island-biology-2019
Password: bxgn23dlo

Registration

This will start on Sunday July 7, at Hotel Austral (Salle des Boiseries, 20 Rue Charles Gounod, Saint-Denis) from 3-5 pm. Please, if you have a payment of more than 300 € to be done, wait until Monday July 8 to register, by law we cannot accept cash payments above 300 €. Registration desk will be located in the Amphi Bioclim's hall on the conference venue (Campus Moufia, Saint-Denis), will take place **from Monday to Tuesday, 7.30-10 am.** To register outside this timeframe, please contact a staff member.

Payments

Any oustanding payments should be settled at the conference secretariat. These can be done in cash up to a maximum amount of 300 €. The French law (n°2012-1242, Nov. 7th 2012) doesn't allow public institutions to accept cash payments over 300 €. For amounts over 300 €, an accounting agent will be present with a card machine for payments only on **Monday 8 July from 8 am to 9 am** at the registration desk, please make sure to be present during this time for your card payment.

Transportation

At your arrival, a shuttle from the airport to the international student residence will be organized for free, a hostess and a Island Biology 2019 stand will be present at the airport from **8 am to 11.30 am and 3 pm to 8 pm** for the following days **5, 6, 7, 8, 9 July 2019.**

For late arrivals at night please contact: ib2019-logistics@sciencesconf.org

For the returns, only shuttles from the student residence will be organized by booking with the staff members or at the registration desk.

Reaching at the conference venue every day

Shuttles will be organized from the main hotels in downtown to the conference venue, and in the evenings after the social events. Shuttle timetable will be sent to conference participants before arrival and will be displayed every day in the Amphi Bioclim's hall.
Public Citalis buses from downtown are available: line 6 (Entrance 1), Line 7 (Entrance 2). Bus ticket : 1.30 €
Weekly pass: 9 € to be purchase at main bus stations

Car Parking and Security gates

There is free car parking near the Amphi Bioclim. At this time the campus is quiet so it should be easy to park. Please always wear your conference badge on campus, security at the entrance gates may require to see it.

Field trips

Nine mid-conference field trips are organized during the conference, the excursion is included in the conference registration fee. In the morning of the excursions, take a shuttle to the university where the excursion buses will be waiting, picnic bags will be provided for the lunch, please pick one up before entering the bus. Registration for these field trips are online and will be possible until Monday July, 8th. Buses will drop participants at their hotels and student residence for the return.

1) Marine field trip
Departure Time: 8 h Return Time: 16 h Participants: 39

2) The active volcano Piton de La Fournaise
Departure Time: 8 h Return Time: 17 h Participants: 50

3) National Botanical Garden of Mascarin
Departure Time: 8 h Return Time: 16 h Participants: 50

4) The chronosequence of lava flows and Mare Longue lowland forest
Departure Time: 8 h Return Time: 16 h Participants: 50

5) Northern massif of La Roche Ecrite, territory of the Réunion Cuckoo-shrike
Departure Time: 8 h Return Time: 16 h Participants: 39

6) Natural Reserve of the wetland Etang de Saint-Paul
Departure Time: 8 h Return Time: 16 h Participants: 30

7) The Bébour and Bélouve cloud forests
Departure Time: 8 h Return Time: 17 h Participants: 50

8) The dry forest and rewilding
Departure Time: 8 h Return Time: 15 h Participants: 24

Food

Lunches and refreshment breaks are provided to all registered participants. Special meals are available for those who have requested them on the initial form. On the evening of Wednesday 10th, conference participants have the option of eating at the restaurant - Be Lounge (66-86 Rue Sainte-Anne, Saint-Denis) for a special price of 14 €/person for a chinese food buffet, just show your badge to benefit from the reduced tariff, no need to book.

Shuttles both ways will be organized from the student residence (departure time: 19h30, return time: 21h30).

Island Biology 2019 practical matters

Social events

Monday July 8:

- Opening cocktail for the conference village, 1-2 pm, all registered attendees are welcome **Location:** Chapiteau
- Welcoming Cocktail, 7-8,30 pm, all registered attendees are welcome **Location:** Regional Council

This cocktail follows a public lecture: "European outermost regions: living labs of the ongoing European ecological transition" by Nexa (Regional Agency for Development & Innovation of La Reunion).

Tuesday July 9:

- Launching EPOP (E-Participatory Observers project) for the Indian ocean, 5.30-7 pm, IRD-NEXA cocktail (projections and exchanges). ePOP is a network of observation, information and citizen exchanges on climate and environmental changes that threaten people. Developed by RFI Planète Radio with the IRD, it offers reports made by young people, which will be exposed to the scientific community and relayed by the media. The goal is to help people better understand, fight and adapt to the changes they face.

contact@epop.network
Follow @ePOP_network

Thursday July 11:

- Conference diner, 6.30-10 pm, Villa du Departement, 18 Rue de Paris, Saint-Denis

Friday July 12:

- Corcoopa : Movie projection 6,30-7 pm, Amphi Bioclim
- Closing Coktail and concert of local music : 7-9 pm, all conference attendees are welcome

Poster sessions

4 poster sessions are organized during the conference. There will be the local crafted beer Picaro on tap, please use your tokens given in your conference bags to exchange for a beer (5 tokens per person). Beer glasses are available with a deposit of one euro and should be kept for the week and brought back at each poster session. On Friday, you can keep the glass as a souvenir or return it for your deposit.

Photo exhibitions

Two photo exhibition will be run during the conference Island Biology at the conference venue on campus.

Exhibition « The French austral lands and seas ».
Candidate site for UNESCO World Heritage.

Location: Faculty of Sciences and Technologies (UFR FST on the map), Free entrance

The French Southern territories - Crozet, Kerguelen, Saint-Paul and Amsterdam - are the largest of the few emerged lands in the southern Indian Ocean. Far from centers of human activities, they are biodiversity sanctuaries. They are home to one of the highest concentration and diversity of seabirds in the world, as well as some of the largest populations of marine mammals. Their highly productive waters provide a nourishing oasis for these species. This wild and abundant nature in grandiose volcanic landscapes forges an exceptional character. The vastness of these territories and their classification as a national nature reserve ensure the long-term conservation of these species and the protection of this unique natural heritage.
The nomination to the World Heritage List, submitted by France to Unesco, will be examined by the World Heritage Committee in July 2019.

Exhibition: Micro-portraits of the Hidden Creatures in our Fields
Location: Sciences Library (BU Sciences on the map), Free entrance

Within the animal kingdom, the branch richest in species is also the most misunderstood: three out of four animals are insects. Hidden in our gardens and fields, they play a major role in the fragile balance of land biodiversity. Due to their abundance and the diversity of their diets, insects and spiders are essential to the proper functioning of ecosystems.
ePRPV (Enhancement & Sustainability of the Plant Protection Network) is a regional cooperation programme between Reunion Island, Mauritius, Madagascar, the Comoros, Seychelles and Mozambique. Its objective is to foster environmental-friendly agriculture. It promotes an agro-ecological approach aimed at preserving the exceptional biodiversity of the southwest Indian Ocean.
One of the actions of ePRPV is the creation by CIRAD, at the Plant Protection Centre (PPP - Saint Pierre, Reunion Island), of an image bank to identify this region's insects and spiders. The beauty of this universe, hardly perceptible to the naked eye, has been immortalized by CIRAD entomologist and photographer Antoine Franck, through an imaging system consisting of a macroscope coupled to a photographic module controlled by software that automatically assembles the final image at the end of the shooting sequence. It is thus possible to photograph species measuring one tenth of a millimetre for the smallest and one centimetre for the largest, all with adjustable field depth.

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cirad
LA RECHERCHE AGRONOMIQUE POUR LE DÉVELOPPEMENT

Island Biology 2019 practical matters

Visit of the Thérésien Cadet arboretum

The arboretum is composed of more than 40 indigenous and mostly endemic species, guided tours on the campus will be organized during the conference. Timetable and meeting points will be indicated in the Amphi Bioclim's hall.

Island Biology Society Meeting board

- Sunday 7th July: Hôtel Austral, Salle de la terrasse, 4-5 pm
- Tuesday 8th July: Room D2, 1-2 pm

At the closing session Friday from 4.30 pm, the election of the new SIB board and the location for the next IB2022 will be done.

Companions

All the people that have registered as "companions" are entitled to:

- The cocktail on Friday July 12, 7-9 pm
- A concert of local music, Friday July 12, 9-10 pm
- One-day mid conference field trip in La Réunion

Tourist information

Tourist guides in English will be provided for free in the Amphi Bioclim's hall. A tourist map will be added to the conference materials.
More information: https://en.reunion.fr

Presentation times and formats

Oral presentations Format Requirements

PLENARY SESSIONS

Six plenary talks are scheduled during sessions of one hour length including questions. They are all scheduled in the main conference room (Amphi Bioclim).

SYMPOSIA

The symposia organizers have allocated time slots Speakers invited in **symposia** have been are allowed **15 minutes** for presentation **+ 5 min** for questions / discussion in general, but see the program of the session can vary from one symposium to another.

REGULAR SESSIONS

Speakers in regular sessions are allowed **12 minutes + 3 min** for questions / discussion.
Time will be strictly enforced to allow participants to move between sessions. As a general rule, it is usually recommended to plan one minute of talking per slide. Because discussion is important, we strongly encourage speakers to seriously take into account the time dedicated to questions at the end of their talk.
Audio-visual facilities will be available for testing and viewing during the conference. Computers with installed recent versions of Microsoft Office / LibreOffice will be available in each room where oral presentations will be scheduled. Please be aware that full compatibility with the version used to prepare your slideshow cannot be warranted. Potential unexpected behaviour of animations, layout or fonts in slideshows may happen due to software compatibility issues. To avoid such difficulties, prefer a **PDF format** if possible.

Slideshows containing embedded images or videos can become large in size and slow down the computer with which it is displayed, or even freeze it. Please try to limit the size of your file to a reasonable size by limiting the size of inserted images / videos.

UPLOADING

For all scheduled talks, slideshows may be uploaded on Monday from 8 to 10 am at the registration corner. On other days, talks may be uploaded directly in the room where the talk is scheduled, preferably in the morning during coffee break. Speakers will not be allowed to attach their laptops to the projection system.

TEMPLATES

We propose on our conference website (optional) templates for authors who would like to adopt the graphical standards of the conference (in '.pptx' and '.odp' formats). Please feel free to use them for your own slideshow. This is only optional.

Presentation times and formats

Poster presentations

FORMAT REQUIREMENTS

- Poster size and orientation: **A0 Poster** (841 X 1189 mm) in **portrait format.**
- Material to fix your poster on the board will be distributed on site.
- Your poster board will be allocated a number, which will be communicated to you on date of arrival and will also be reported in the conference guide.

SESSIONS

There are four poster sessions during the week. Poster sessions are organized per day. Posters scheduled in one session should be displayed by the authors the morning of the session (before sessions start) and taken down at the end of the conference day.

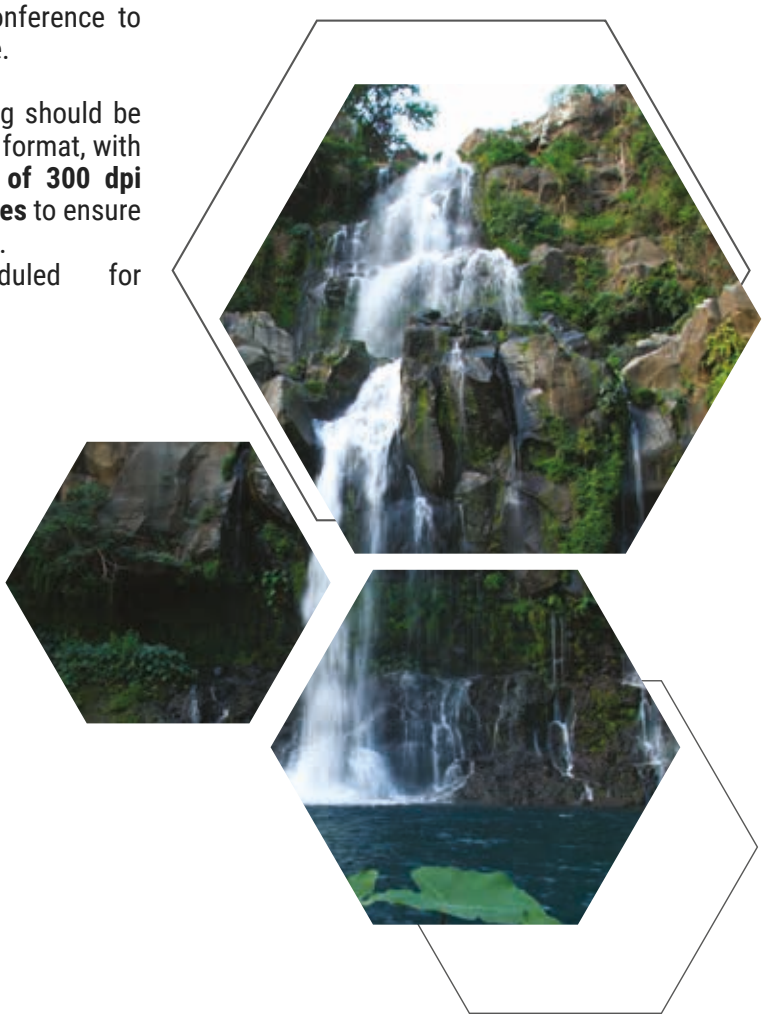
Posters presentations are scheduled by topics during the week, mainly in consistence with talk sessions happening during the same day. Please see the program in this guide and check the topic attached to your abstract online to check when your poster needs to be displayed.

PRINTING

Please note that **poster printing is not included in the conference fees:** participants must make sure that their poster is printed before the day of presentation.

Participants have the possibility to print their posters using university services at discount price (35 €: IB2019 tariff). If you wish to use these services, please send a request to repro@univ-reunion.fr with your poster attached in electronic format (see requirements below). Do mention that it is for Island Biology 2019 conference to get the discounted price.

Posters sent for printing should be prepared in **A0** and **PDF** format, with **a minimum resolution of 300 dpi (dots per inch) for images** to ensure visual quality at printing.
For posters scheduled for presentation during the first session (Monday 8 July), make sure to send your file before arrival if you want to have it printed locally. Poster will be made available at the university printing office (REPRO on map) located next to the conference rooms. Please have a look at the map to find it, or ask the staff on arrival printed locally and be ready on time.



Publication of abstracts and papers

Book of abstracts and online versions

More than 230 oral presentations and 120 posters will be presented during the conference. All abstracts will be compiled in a Book of Abstracts that will be published on the conference platform (https://ib2019.sciencesconf.org) and in the electronic archives of the University of Réunion (http://hal.univ-reunion.fr) in order to ensure long lasting availability.

Note that all abstracts have been assigned a unique identifier (6-digits number) at submission, that is also recalled in the Book of Abstracts. Attached to the conference URL, it builds a unique URL that points to the electronic version of the abstract (http://ib2019.sciencesconf.org/abstract-id)

Special issues

Agreements have been made with the Editors of journals for the publication of Special Issues in relation with the specialized symposia and the thematic sessions that make the conference's program:

FRONTIERS OF BIOGEOGRAPHY
Frontiers of Biogeography (FoB) is the scientific magazine of the International Biogeography Society, a not-for-profit organization dedicated to promotion of and public understanding of the biogeographical sciences. IBS launched FoB to provide an independent forum for biogeographical science, with the academic standards expected of a journal operated by and for an academic society.https://escholarship.org/uc/fb

NEOBIOTA
NeoBiota is a peer-reviewed, open access, online journal launched to accelerate research on alien species and biological invasions: aquatic and terrestrial, animals, plants, fungi and micro-organisms (https://neobiota.pensoft.net/),

MALAGASY NATURE
Malagasy Nature is a regional journal published by the Association Vahatra (http://www.vahatra.mg) concerning aspects of the natural history of Madagascar and neighboring islands (Comores, Mascarenes, and Seychelles). The journal publishes original scientific contributions in English and French concerning animals, plants, ecology, conservation, biogeography, systematics, and paleontology. The special issue will be devoted to research works of PhD students from the South Western Indian Ocean region that take part in a dedicated capaciy building workshop.

Overview

	MONDAY JULY 8TH	TUESDAY JULY 9TH	WEDNESDAY JULY 10TH
8h30-9h30		Plen 3	workshop Vahatra
9h30-10h30	Plen 1	Coffee Break	
10h30-11h	Coffee Break	SY05 / SY06 / CFE / EV2	
11h-13h	SY01a / SY02 / SY03 / BG1 / IIS	Lunch Break	
13h-14h	Opening conference village cocktail	Visit the conference village	
14h-15h	Plen 2	Plen 4	
15h-15h30	Coffee Break	Coffee break	
15h30-17h30	SY01b / SY04 / ME1 / EV1	SY07 / SY08 / CS1 / BG2 / SOS	
17h30-18h30	POSTER 1	POSTER 2	
18h30-20h30	Welcoming cocktail		

Mid-Conference Field Trips

Opening / Closing sessions — Plenary conference — Symposium — Regular session

Symposium sessions (SY)

SY01: 07/08/19 - 11h-13h / 15h30-17h30
Amphi Bioclim: Caujapé-Castells / M. Kiehn / M. Moura
Plant conservation on oceanic islands: scientific needs and examples of good practice to solve imminent challenges

SY02: 07/08/19 - 11h-13h
Amphi Cadet: H. Morlon / B. Emerson
Synthesizing island biodiversity theory for community-wide genetic data

SY03: 07/08/19 - 11h-13h
Amphi D1: C. García-Verdugo / K. Burns
Evolutionary trends in island plants: is everything lost on islands?

SY04: 07/08/19 - 15h30-17h30
Amphi Cadet: A. Raine / P. Pinet
A tale of two islands: Reunion and Kaua`i, similar conservation challenges and solutions

SY05 : 07/09/19 - 10h-12h
Amphi Bioclim: M. López-Darias / J.-Y. Meyer
Future steps to fight against invasive species on islands

SY06: 07/09/19 - 10h-12h
Amphi Cadet: D. Hansen / J. Juvik / C. Griffiths
Island rewilding with giant tortoises: state of the art and future directions

SY07: 07/09/19 - 15h30-17h30
Amphi Bioclim: A. van der Geer
Island palaeontology

SY08: 07/09/19 - 15h30-17h30
Amphi Cadet: S. Floeter
Island biogeography, macroecology, evolution and conservation of marine organisms

SY09: 07/11/19 - 10h-12h
Amphi D2: A. González Castro / S. Hervías Parejo
Plant-animal interactions as drivers of biodiversity conservation on islands

SY10: 07/11/19 - 10h-12h
Amphi Bioclim: H. Kreft
Functional island biogeography - concepts and prospects

SY11: 07/11/19 - 14h-16h
Amphi Bioclim: K. Tolley
Island reptiles: the rich diversity of oceanic and continental islands

SY12: 07/11/19 - 14h-16h
Amphi Cadet: A. Taylor / P. Weigelt
New insights into the assembly of island biota, filtering effects and disharmony

SY13: 07/12/19 - 10h-12h
Amphi Bioclim: F. Lens
Trait dependent diversification on islands

SY14: 07/12/19 - 10h-12h
Amphi Cadet: M. Le Corre
Seabirds on islands

SY15: 07/12/19 - 14h-16h
Amphi Bioclim: J. Patino / A. Vanderpoorter
Dispersal ecology meets island evolution

THURSDAY JULY 11TH						FRIDAY JULY 12TH					SATURDAY JULY 13TH
8h30-9h30	Plen 5					8h30-10h					workshop Vahatra
9h30-10h	Coffee Break					9h30-10h	Coffee Break				
10h-12h	SY09	SY10	ME2	INV		10h-12h	SY13	SY14	BG3	PAL	
12h-13h	Lunch Break					12h-13h	Lunch Break				
13h-14h	Networking / discussion					13h-14h	POSTER 4				
14h-15h	Plen 6					14h-16h	SY15	ECO	EV3		
15h-15h30	Coffee Break					16h-16h30	Coffee break				
15h30-17h30	SY11	SY12	RES	SPI	ABG	16h30-18h30	SIB General assembly				
17h30-18h30	POSTER 3										
19h-22h	Conference dinner					18h30-19h	TAAF				
						19h-21h	Closing cocktail and concert of local music				

Poster sessions | Social event | Break | Workshop | Mid-conference field trips

Regular sessions

BG1: 07/08/19 - 11h-13h
S. Irl
Biogeography 1

IIS: 07/08/19 - 11h-13h
A. Wiefels
Interdisciplinary Island Studies

EV1: 07/08/19 - 15h30-17h30
C. Beierkuhnlein
Evolution on islands 1

ME1: 07/08/19 - 15h30-17h30
M. Dawson
Marine ecology 1

EV2: 07/09/19 - 10h-12h
L. Valente
Evolution on islands 2

BG2: 07/09/19 - 15h30 - 17h30
S. Hugel
Biogeography 2

CS1: 07/09/19 - 15h30-17h30
C. Baider
Conservation 1

SOS: 07/09/19 - 15h30-17h30
P. Corral
Social sciences on islands

INV: 07/11/19 - 10h-12h
C. Lepannen
Biological invasions on islands

CS1: 07/11/19 - 10h-12h
F. Martos
Conservation 2

ME2: 07/11/19 - 10h-12h
P. Chabanet
Marine ecology 2

ABG: 07/11/19 - 15h30-17h30
J-P. Cammas
Atmosphere – biosphere – geosphere interactions

RES: 07/11/19 - 15h30-17h30
J-Y. Meyer
Restoration ecology / ecological restoration

SPI: 07/11/19 - 15h30-17h30
D. Drake
Species interactions / networks / trophic ecology

BG3: 07/12/19 - 10h-12h
H. Jourdan
Biogeography 3

CFE: 07/12/19 - 10h-12h
P. Birnbaum
Community ecology / Functional ecology

PAL: 07/12/19 - 10h-12h
D. Campbell
Palaeo-biology / palaeo-environments

ECO: 07/12/19 - 14h-16h
B. Reynaud
Ecology on islands

EV3: 07/12/19 - 14h-16h
H. Meimberg
Evolution on islands 3

Island Biology 2019 Plenary Lectures

MONDAY, JULY 8, 9H30

Dominique Strasberg
University of La Réunion, UMR PVBMT, La Réunion, France

Introduction to Natural History of the Mascarenes islands

Situated in the South West Indian Ocean, Mauritius, Rodrigues and Reunion are the main islands of the Mascarene archipelago. The Mascarene islands are often cited in textbooks as the home of the Dodo and as a place where human activities have resulted in mass extinctions and ecological disasters. Nevertheless, the archipelago still retains twenty-percent of its original habitats.

The Mascarene biota is extremely diverse and most taxa have a high degree of endemism. Recent research studies in the Mascarenes allow a better understanding of the processes underlying evolutionary history and ecological patterns. Physical settings and biogeographical features make the archipelago similar to the Hawaiian Islands. A comparative analysis of the Mascarene biota with their analog on "Darwinian" islands is a promising avenue for detecting general rules and patterns and for exploring new and emergent questions in island biology.

Island Biology 2019
Plenary Lectures

MONDAY, JULY 8, 14H00

The history, current status, and future of the protected areas of Madagascar

Steven Goodman
Association Vahatra, Madagascar
Field Museum of Natural History, United States

The island of Madagascar is infamous for its exceptional biota with high levels of endemism at different taxonomic levels. Based on its separation from other landmasses in deep geological time, associated vicariance, and a nearly continuous history of subsequent colonization events, the fauna and flora of the island has few parallels in the world. Madagascar has a remarkable diversity of unique organisms, many micro-endemics, and a complexity of adaptive radiations. These aspects have been the themes of research for several decades and the importance of these biological splendors continue to be documented with continuous new discoveries, as well as this information being incorporated into on-going conservation programs.

One of the critical aspects is that the vast majority of the terrestrial biota is forest dwelling. On the basis of a shifting sequence of factors ranging from traditional practices associated with slash-and-burn agriculture and creation and maintenance of cattle pasture, and the recent increase in commercial logging, the natural vegetation of the island has been greatly reduced. Further, different aspects of commercial exploitation of the country's mineral wealth are on the increase. Estimates indicate that less than 8-9% of the original forest cover remains and, most critically, the current terrestrial protected area system contains a large percentage of the enduring native forests. In 1989, Martin Nicoll and Olivier Langrand published a review of Madagascar's protected areas, and from a local or international perspective, this was a monumental advancement.

Subsequently, several important aspects have changed for the positive, including a dramatic increase in the number of conservation sites, numerous conservation organizations working together to protect the remaining natural areas, enormous efforts to study and document the biota of the island, generations of national field biologists emerging, new perspectives on the evolutionary history, systematics, and ecology of a multitude of organisms, and something approaching an exponential growth in available information. On the negative side, particularly overlaid on population growth and economic problems, rates of deforestation have not notably decreased, fire remains an important problem, and different forms of natural resource exploitation are on the increase. In any case, all of these aspects provide the need to revisit the synthesis of Nicoll and Langrand.

In this presentation, which is based on a recent large-scale review of 98 terrestrial protected areas of Madagascar, different historical aspects associated with the advancement of conservation on the island, and the status of the protected area system are given. The results of recent analyses within these protected areas associated with forest loss, problems with fire, and different forms of exploitation (removal of hardwoods, bush meat, etc.) are discussed. Contrasts are made between the pressures on different forest types and local cultural traditions.

The final portion of the lecture addresses measurable advances in the protected area system, what we now know about the diversity of the islands vertebrates, and coherent plans for prioritization of continued biological exploration of the island.

Island Biology 2019 Plenary Lectures

TUESDAY, JULY 9, 8H30

Tim Blackburn
University College London, United Kingdom

The Island Biogeography of Alien Species

Biological invasions by alien species – those transported by human actions to areas in which they do not naturally occur – represent one of the primary ways in which people are changing global biodiversity. Islands appear to be particular hotpots of alien species richness. This has been argued to reflected the greater invasibility of these locations, as a result of differences in how ecological processes such as interspecific interactions, underlying productivity or degree of disturbance act on islands versus continental mainlands.

Variation in alien species richness has also been argued to provide insights into the patterns and processes structuring natural assemblages, because alien species are likely to follow some of the same laws as native species but break others. However, biological invasions are a consequence of a combination of factors - human actions, species characteristics, and environmental conditions - and so their study weaves together elements of history, biology, and geography.

In this talk, I show why we would expect human actions to be the most important drivers of alien island biogeography, and why a failure to account for these is likely to lead to misleading conclusions about the causes of variation in the distribution and richness of alien species – even the question of whether islands are indeed more invasible than mainlands.

Island Biology 2019
Plenary Lectures

TUESDAY, JULY 9, 14H00

Lori Lach
James Cook University,
College of Science and
Engineering, Australia

What can we learn about invasion ecology from ant invasions of islands ?

Nowhere are ecological communities more transformed by invasive species than on islands. The words 'islands' and 'invasive species' may evoke images of rats, cats, and goats preying on defenseless birds and mammals and devouring and trampling native plants.

However, invasive ants have earned their place on the list of some of the world's most invasive species, and few, if any, inhabited tropical islands would have escaped invasion by one or more non-native ants or possibly even invasive ants. My talk will draw on results of multiple experiments investigating ant interactions with resident flora and fauna in insular and continental habitats and experience incorporating ant ecology into management actions and policy. From these experiences, I draw five broad lessons about ant invasions.

1) Context matters in determining the direction and magnitude of impacts. Ant populations will be dependent on access to resources, often plant-derived, and outcomes of their interactions will depend on which interactors are present and their role in the ecosystem.

2) Although context matters, knowledge of adverse experiences elsewhere is still a powerful motivating tool for management action, as it should be. Many of our best examples come from ant invasions of islands.

Undoubtedly, this is partly because of 3) the 'simpler' floral and faunal compositions characteristic of islands. The lower species richness of islands means that they lack some of the functional redundancy that is characteristic of more speciose ecosystems. However, their relative simplicity also more readily enables characterization of the context of interactions and their impacts.

Relatively depauperate biota have a modest capacity to buffer change, and therefore 4) island ecosystems are more dynamic than continental ecosystems. Changing conditions may eliminate or decrease the importance of some interactions but introduce or increase the importance of others. Some invasive ants weather these changes better than others. Therefore, islands may be the best place to investigate 'boom and bust' cycles.

However, 5) though natural population declines of invaders are gaining attention, we cannot predict them, nor are they fast or certain enough to warrant complacency where invasive ants pose a threat to biodiversity. Looking to the future, islands can be important settings for trialing new techniques and novel methods for addressing problems posed by invasive ant species.

Many of the lessons learned from ant invasions can be extended to other invasive biota.

Island Biology 2019 Plenary Lectures

THURSDAY, JULY 11, 8H30

Susanne Renner
Ludwig-Maximilians-Universität München, Systematische Botanik und Mykologie, Germany

Orchids, moths, and birds on Madagascar, Mauritius, and Reunion: island systems with well-constrained timeframes for species interactions and trait change

The geologically young islands Mauritius (7–10 My) and Réunion (2 My), and the ancient continental island Madagascar, each harbor hundreds of species of orchids. Because orchid flowers have long fascinated biologists, their pollination has received more attention than that of other similarly species-rich tropical groups.

An example is Darwin's famous prediction of a long-tongued moth pollinator for the long-spurred Madagascan orchid *Angraecum sesquipedale*.

Over the past 10 years, field studies by ecologists from the Université de La Réunion and clock-dated molecular phylogenies for clades of orchids, passerine birds, and moths occurring on these islands, have provided time frames for changing pollinator / orchid interactions. In my talk, I will present data on both younger-than-expected and older-than-expected orchid pollinators (such as the moth species in Darwin's predicted *Angraecum* / *Xanthopan* trait-matching-system), and I will review what we now know about of the speed of change in plant / pollinator interactions on tropical islands compared to 20 years ago.

Island Biology 2019
Plenary Lectures

THURSDAY, JULY 11, 14H00

Vojtech Novotny
Czech Academy of Science,
Biology Center, Czech Republic

Ecology of rain forests on a large tropical island: lessons from New Guinea

How tropical rainforests maintain their high biological diversity and how they regenerate after disturbance are two key, and related, questions of tropical ecology.

I will explore these questions in the ecosystems of New Guinea, looking at the balance of bottom-up and top-down effects on biodiversity in rainforest food webs, and the dynamics of these effects along succession and elevation ecological gradients.

MONDAY JULY 8TH

8h30 - 9h30 — Opening session — Amphi Bioclim.

9h30 - 10h30 — Plenary Session — Amphi Bioclim.
Chair: V. Florens

Introduction to natural history of the Mascarene islands
D. Strasberg

10h30 - 11h00 — Coffee Break — Chapiteau

11h00 - 13h00 — Plant conservation on oceanic islands: scientific needs and examples of good practice to solve imminent challenges (Symp.) — Amphi Bioclim.
Chairs: J. Caujapé-Castells / M. Kiehn / M. Moura

1. Identifying a network of Tropical Important Plant Areas (TIPAs) in the British Virgin Islands
(20') M. Dani Sanchez, C. Clubbe, S. Barrios, T. Helle, L. Varlack, N. Woodfield Pascoe, N. Harrigan, K. Grant, T. Smith, J. Smith Abbott, A. Hamilton Martin

2. The transition to selfing and its implications for the conservation of small insular plant populations: a case study from Tolpis succulenta in the Azores
(20') M. Moura, D. J. Crawford, M. Moura, L. Borges Silva, M. E. Mort, G. White, B. Kerbs, H. Schaefer, J. K. Kelly

3. Conserving the threatened Puerto Rican endemic plant, Varronia bellonis (Cordiaceae)
(20') M. Hamilton, J. Viruel, A. Maldonado, R. Perez-Barrales, A. Puente, J. Velez, B. Sanchez, E. Lopez, J. Sustache, J. Rios, O. Monsegur

4. The conservation of New Caledonian rare and endangered species threatened by mining activities, the need of a global approach for a big challenge
(20') B. Fogliani, G. Lannuzel, G. Gâteblé, S. Meyer Shankar

5. Ex situ seed conservation of Hawaiian "exceptional species" as a case study for tropical island floras
(20') M. M. Chau, T. Chambers, L. Weisenberger, M. Keir, T. Kroessig, D. Wolkis, R. Kam, A. Yoshinaga

6. The IUCN Plant specialist group for Macaronesia: Using transnational cooperation and updated scientific data to better understand and mitigate the threats to oceanic island floras.
(20') M. Moura, J. Caujapé-Castells Juli

11h00 - 13h00 — Synthesizing island biodiversity theory for community-wide genetic data (Symp.) — Amphi Cadet
Chairs: H. Morlon / B. Emerson

1. Origins of diversity on islands: the nexus of ecology and evolution in community assembly
(20') R. Gillespie, H. Krehenwinkel, A. Rominger

2. Island biogeography and the distribution of genetic variation in ecological communities
(20') I. Overcast

3. Assessing the drivers of biodiversity patterns using environmental DNA data: macroecology and macroevolution of the oceanic plankton
(20') H. Morlon, G. Sommeri-Klein, E. Lewitus

4. Diversifying as a holobiont: macroevolutionary patterns of microbiota in an island archipelago
(20') B. Perez-Lamarque, B. Perez-Lamarque, H. Krehenwinkel, R. Gillespie, H. Morlon

5. Whole-community assembly from metabarcoding data reveals the structure of the soil mesofauna at multiple genetic levels and spatial scales
(20') C. Andújar, P. Arribas, A. Vogler C. Emerson Brent

11h00 - 13h00 — Evolutionary trends in island plants: is everything lost on islands? (Symp.) — Amphi D1
Chairs: C. García-Verdugo / K. Burns

1. The loss of size diversity in island plants
(20') K. Burns

2. Loss of defenses on island plants: from theory to evidence
(20') C. Garcia-Verdugo, X. Moreira

3. Are genetic diversity patterns cogent with a generalized loss of dispersal in island plants? Insights from Macaronesia
(20') J. Caujapé-Castells, C. García-Verdugo, H. Meimberg, M. Curto

4. Loss of pollination syndromes after island colonization
(20') T. Pailler

5. What do wind-dispersed species tell us about loss of dispersal potential on islands?
(20') M. Mairal

MONDAY JULY 8TH

11h00 - 13h00	**Biogeography** Chair: S. Irl		Amphi D2
	1. Functional disharmony of the flora of New Caledonia: filtering effect of ultramafic soils and metal accumulation syndrome (15') S. Isnard,V. Gei, Y. Pillon, P. Erskine, G. Echevarria, B. Fogliani, T. Jaffré, A. Van Der Ent	**2. A functional biogeography approach to insular bird communities with mixed-origin species** (15') J-Y Barnagaud, L. Barbaro, R. Mossion, M. Deconchat, E. Brockerhoff	**3. Dispersal modality determines the relative partitioning of beta diversity in spiders on a subtropical land-bridge archipelago** (15') W. Lingbing
	4. Phylogeography of coronavirus in bats in the Western Indian Ocean (15') L. Joffrin, S. Goodman, D. Wilkinson, B. Ramasindrazana, E. Lagadec, Y. Gomard, G. Le Minter, A. Dos Santos, M. Corrie Schoeman, R. Sookhareea, P. Tortosa, M. Puttoo, S. Julienne, S. Gudo Eduard., P. Mavingui, C. Lebarbenchon	**5. The forgotten hotspot: a decade of research into the herpetofauna of the Comoros Archipelago** (15') O. Hawlitschek	**6. The role of ecological specialization in patterns of insular communities** (15') S. Sfenthourakis, K. Proios, A. Triantis Kostas
	7. Systems, landscapes and vegetation of the Iles Eparses (South-West Indian Ocean): geobotanical survey of Europa island (15') V. Boullet, J. Hivert, L. Commagnac		
11h00 - 13h00	**Interdisciplinary island studies** Chair: A. Wiefels		Room D10
	1. Detecting burnt scars from space: A case study of the January 2019 wildfires along the eastern flank of Piton de la Fournaise Volcano, La Réunion (15') T. Catry, N. Richter, C. Révillion, F. Martel-Asselin, N.Villeneuve, P. Peltier	**2. Spatial footprint of natural disasters: opportunities and challenges for remote sensing in the south-western Indian Ocean** (15') C. Révillion, T. Catry, P. Mouquet, V. Dufay, J. Rosa, C. Alexandre, G. Pennober	**3. Anoles & Drones: Revealing controls on distribution and microhabitat use of Anolis lizards in a changing island landscape using emerging remote sensing technologies** (15') E. Higgins, D. Boyd, T. Brown, A. Algar
	4. An open network to monitor marine environment and species (15') S. Bonhommeau, S. Bernard V. Kerzerho, P. Gogendeau, T. Rouyer, A-E. Nieblas	**5. Marine sponges from Indian Ocean, a highly promising source for the discovery of novel bioactive compounds to fight against ageing and age-related diseases** (15') P-E. Campos, F. Tintillier, C. Saïd Hassane, P. Clerc, B. Boyer, N. Fokialakis, L. Trougakos, K. Gardikis, C. Wenzkowski, J. Bignon, G. Le Goff, C. Moriou, A. Al-Mourabit, L. Dufossé, M. Fouillaud, A. Bialecki, J. Ouazzani	**6. Monitoring of fish communities and benthic habitats from unbaited underwater video techniques with applications to Indian Ocean conservation and fisheries management challenges** (15') D. Roos, D. Pelletier, T. Claverie
	7. Isolated Indian Ocean islands: little POPs, some heavy metals, and much plastics (15') H. Bouwman, D. Pelletier, T. Claverie	**8. Unsanctioned imports: the problem of plastic debris in small island states** (15') A. Burt	
11h00 - 13h00	**10th European Development Funds (EDF) project for the Western Indian Ocean region: Sustainable management of the Eparses islands and Mayotte marine living ressource** S. Marinesque		Amphi Charpak
13h00 - 14h00	**Lunch & opening cocktail for the conference village**		Chapiteau

MONDAY JULY 8TH

14h00 - 15h00 — **Plenary Session** — Amphi Bioclim.
D. Strasberg

The history, current status, and future of the protected areas of Madagascar
S. M. Goodman

15h00-15h30 — Coffee Break — Chapiteau

15h30 - 17h30 — **Plant conservation on oceanic islands: scientific needs and examples of good practice to solve imminent challenges (Symp.)** — Amphi Bioclim.
Chairs: J. Caujapé-Castells / M. Kiehn / M. Moura

1. The IUCN Seed Conservation Specialist Group: Connecting experts, identifying gaps, and developing best practices
(20') U. M. Goodale, M. M. Chau, K. Marfleet

2. Red Lists and open data: how the New Caledonia Plant Red List Authority has brought together environment professionals, scientists and amateur experts
(20') S. Meyer, P. Birnbaum, G. Gâteblé, D. Bruy, V. Tanguy

3. Strategies for conservation of endemic species in protected areas of Cabo Verde islands
(20') H. Andrade Dinis, I. Gomes, S. Gomes, G. Monteiro, A. Marques, M. Romeiras

4. Conservation of crop wild relatives of Macaronesian Islands: current status and outlook
(20') M. Romeiras, G. Roxo, F. Monteiro, L. Silva, J. Caujapé-Castells, M. Menezes De Sequeira, I. Fernandes. M C. Duarte, M. Moura

15h30 - 17h30 — **A tale of two islands: Reunion and Kauai, similar conservation challenges and solutions (Symp.)** — Amphi Cadet
Chairs: A. Raine / P. Pinet

1. Integrating predator control efforts to achieve landscape level protections for native birds & their habitats on Kauai Island
(25') S. Mann

2. Improving effectiveness of alien plant clearing on Reunion Island through partnership
(15') E. Amy, I. Bracco, P. Fenouillas M. Gosset, F. Ingrassia, C. Lavergne, M. Rouget, B. Lequette, F. Picot, N. Poungavanon, J-C Notter, J-M. Pausé, N. Payet, D. Strasberg, G. Payet, J. Triolo, T.Hermann, V.Turquet

3. Race against time: research and conservation efforts to save Kauai's endangered song birds
(15') L. Crampton

4. LIFE BIODIV'OM - An ambitious program (2018 - 2023) for the conservation of a critically endangered forest bird, the Reunion Cuckooshrike
(15') D. Fouillot, J-F. Centon, E. Duchemann, J. Martinez, E. Solier, C. Yeung Shi Chung

5. Human caused mortality crisis for the endangered seabirds of Kaua'i: quantifying the impact of power line collisions and light attraction
(15') M. Travers, A. Raine, T. Geelhoed , M. Mckown, T. Tinker

6. Unexpected advances for endangered endemic petrels conservation on Reunion Island
(15') P. Pinet, J. Dubos, M. Riethmuller, C. Caumes, Y. Soulaimana Mattoir, C. Payet, A. Lefeuvre, P. Souharce, J. Baszile, L. Humeau, A. Jaeger

MONDAY JULY 8TH

15h30 - 17h30	**Marine ecology** Chair: M. Dawson		**Amphi D1**
	1. Long-term monitoring of coral reefs in the Mozambique Channel (Indian Ocean): paving the way towards integrative regional management (15') P. Chabanet, S. Andrefouet, L. Bigot, M. Bouvy, C. Bourmaud, E. Crochelet, P. Durville, P. Gelin, F. Guilhaumon, H. Magalon, J-B. Nicet, N. Nikolic, D. Obura, G. Pennober, M. Samoilys, M. Schleyer, M. Sere, E. Boissin	**2. Functional vulnerability in Western Indian coral reef fishes: indicator species and conservation priorities** (15') F. Guilhaumon, M-P Savelii, L. Bigot, P. Durville, T. Matthews, P. Chabanet	**3. Energy packing of reef fish communities in isolated oceanic islands** (15') D. Barneche
	4. Multi-scale effects of environmental stress on reef fish communities of the Galapagos islands (15') R. W. Lamb, F. Smith, J. D. Witman	**5. A continent-island model of gene flow in a marine fish from the Western Indian Ocean** (15') T. Hoareau, I. Kiper, P. Borsa	**6. The Alcyonacea (Octocorallia) on coral reefs at Europa Island: How are they connected with other soft coral communities in the Mozambique Channel?** (15') M. Schleyer, N. Downey-Breedt, Y. Benayahu
	7. Environmental drivers effects on the structure and functioning of rhodolith marine habitats in Central-Eastern Atlantic Islands (15') F. Otero Ferrer, M. Cosme De Esteban, C. Ribeiro, P. Neves, F. Tuya, F. Espino, A. Abreu. R. Haroun	**8. What functional space to use to characterize species functions in ecosystems?** (15') T. Claverie, D. Roos, E. Sucré	
15h30 - 17h30	**Evolution on islands** Chair: C. Beierkuhnlein		**Amphi D2**
	1. Genetic structure of two genera of Sumatran frogs trace back to ancient volcanic islands origins rather than paleodrainage systems (15') A. Umilaela, U. Smart, M. Husemann, S. Hertwig, E. Smith, D. Iskandar, A. Haas	**2. Factors of population divergence and past demographic history in an endemic tree (Coffea mauritiana) from Reunion Island** (15') E. Garot, T. Joet, M-C. Combes, P. Lashermes	**3. Niches in time: Molecular gut content analysis reveals changing ecological relationships among Hawaiian Tetragnatha spiders along a chronosequence** (15') S. Kennedy, H. Krehenwinkel, A. Rueda, A. Barner, R. Gillespie
	4. The genomics of founder events in an island colonising bird (15') S. Clegg, K. Ruegg, A. Sendell-Price	**5. Chloroplast haplotype analysis of Canary islands Micromeria indicate inter-island colonization as factor to explain genetic diversity patterns** (15') H. Meimberg, M. Curto, P. Puppo	**6. Adaptive consequences of introgression during the differentiation of Micromeria in the Canary islands** (15') M. Curto, M. Harald
	7. Evolution of reproductive barriers in sympatric Arctic charr morphs in Thingvallavatn (Iceland) (15') K. Kapralova, Q. Horta-Lacueva, S. Snorrason Sigurdur		
17h30 - 18h30	**Poster session I**		**Atrium**
18h00 - 19h00	**European Outermost regions: living labs of the ongoing European ecological and energy transition, FORWARD public conference** NEXA		**Hemicycle of the Regional Council**
19h00 - 20h30	**Cocktail at Regional Council**		**Hemicycle of the Regional Council**

TUESDAY JULY 9TH

8h30 - 9h30 — **Plenary Session** — Amphi Bioclim.
Chair: P. Borges

The Island Biogeography of Alien Species
T. Blackburn

10h30 - 11h00 — **Coffee Break** — Chapiteau

10h00 - 12h00 — **Future steps to fight against invasive species on islands (Symp.)** — Amphi Bioclim.
Chairs: M. López-Darias / J.-Y. Meyer

1. The new IUCN Guidelines for invasive species planning and management on islands
(20') M. Kiehn, A. Tye, J. Caujapé Castells, M. M. Tavares De Moura, M. Kiehn

2. Island Biodiversity in the Anthropocene
(20') J. Russell, C. Kueffer

3. Predicting and preventing the arrival of invasive non-native species on islands globally
(20') H. Roy, J. M. Peyton, O. L. Pescott, T. Adriaens, E. Cook, W. Rabitsch, E. Tricarico, K. Turvey, G. Key, N. Moore, D. Frohlich, C. Malumphy, K. Martinou, W. Dawson

4. The "French Connection": lessons learned from the management of invasive plants in French Overseas Tropical Island Territories
(20') J-Y. Meyer, Y. Soubeyran, C. Lavergne, C. Delnatte

5. Invasive species management in the French Southern and Antarctic Lands (TAAF) : past efforts and future challenges
(20') D. Ringler, A. Bodin, L. Chambrin, S. Maillot, C. Quetel, S. Marinesque, C.Marteau

6. Past, present and future of invasive alien species on the Macaronesian islands
(20') M. Lopez-Darias, P. A. V. Borges, C. Medeiros, P. Oliveira, J. C. Piquet, J. L. Rodríguez-Luengo

10h00 - 12h00 — **Island rewilding with giant tortoises: state of the art and future directions (Symp.)** — Amphi Cadet
Chairs: D. Hansen / J. Juvik / C. Griffiths

1. Wild and rewilded: Giant Aldabra tortoises in the Western Indian Ocean
(20') D. Hansen

2. Pleistocene Rewilding of the Bahama Islands
(20') D. Campbell

3. The world's largest rewilded tortoise herd and its island ecosystem: The Frégate Island experience
(20') R. Baxter

4. A fire-fighting perspective on rewilding Madagascar with giant tortoises
(20') C. Griffiths, O. Griffiths, A. Andriamamonjy, R. Randalana, R. Andrianaivoarivelo

5. Potential Giant tortoise rewilding on La Réunion: restoration of a recently extinct keystone ecosystem engineer
(20') J. Juvik

TUESDAY JULY 9TH

10h00 - 12h00	**Community / Functional ecology** Chair: P. Birnbaum		**Amphi D1**
	1. Niches and neutrality on a tropical oceanic island: explaining diversity and turnover in moth assemblages in island rainforests (15') R. Kitching, W. Cheng, S. Xing, L. A. Ashton, J. Rochat, C. Thébaud, D. Strasberg	**2. Diversity and community composition of herbivorous thrips vary along environmental gradients, but plant effects remain an important driver** (15') N. T. Dianzinga, M-L. Moutoussamy, J. Sadeyen, L. H. R. Ravaomanarivo, S. Nibouche, E. Frago	**3. A trait-based approach to assess functional responses of epiphytic liverworts to environmental gradients** (15') M. Lovanomenjanahary, C. Ah-Peng, O. Flores, T. Hedderson
	4. Ecosystem services associated with water: the role of the liverwort Frullania tamarisci along an elevation gradient in Terceira Island (Azores) for one year (15') R. Gabriel, M. C. M. Coelho, C. Ah-Peng	**5. Functional diversity of the flora of the Canary Islands** (15') H. Dagmar, A. Algar, M. P. Barajas Barbosa, C. Beierkuhnlein, V. Cutts, J. M. Fernandéz-Palacios, R. Field, H. Kreft, M. Steinbauer, P. Weigelt, S. Irl	**6. The importance of accounting for imperfect detection when estimating functional and phylogenetic structure of bird communities on land-bridge islands** (15') S. Xingfeng, M. Cadotte, M. Tingley, P. Ding
	4. Landscape structure influences niche-based and neutral mechanisms of community assembly in a fragmented insular dry forest (15') G. Blanchard, F. Munoz, P. Birnbaum	**5. Resilience of tropical forests to cyclones: an individual-based model simulation approach** (15') E-P. Rau, F. Fischer, E. Joetzjer, I. Maréchaux, J. Chave	
10h00 - 12h00	**Evolution on islands** Chair: L. Valente		**Amphi D2**
	1. Endemism within island ecosystems - Functional drivers of speciation (15') C.Beierkuhnlein	**2. Diversification analysis of a songbird lineage within a remote archipelago suggests a role for intra-island speciation** (15') M. Gabrielli, B. Nabholz, T. Leroy, B. Milá, C. Thébaud	**3. Human-driven extinctions have erased the evolutionary history of flightlessness in island birds** (15') F. Sayol, M. Steinbauer, T. Blackburn, A. Antonelli, S. Faurby
	4. Multiple colonizations and parallel radiations of Peperomia (Piperaceae) on the Hawaiian Islands suggest context-dependent role of niche preemption in diversification on oceanic islands (15') L. Junying, C. Marshall, E. Zimmer, W. Wagner	**5. Towards a comprehensive understanding of Oxera's island life** (15') G. Gâteblé, L. Barrabé, P. Birnbaum, B. Drew, Y. Isagi, A. Izuno, G. Karnadi-Abdelkader, R. Kawai, S. Lavergne, Y. Suyama	**6. Unraveling the stages of ant diversification in Madagascar** (15') E. Economo, N. Friedman, F. Hita Garcia, G. Fischer, B. Blaimer, J. Katzke, E. Toulkeridou, A. Khalife, D. Booher, A. Mikheyev, B. Fisher
	7. Unraveling the history of Apis mellifera in the islands of the South-West Indian Ocean: what we have learned from genetic, genomic, morphometric and ecological approaches (15') J. Clémencet, J. Galataud, T. M. Rasoloarijao, M. A. Techer, H. Rasoloarivao, A. Vignal, H. Delatte	**8. Evolution of dengue viruses on islands** (15') S. Bennett	
12h00 - 13h00	**Lunch**		**Chapiteau**

TUESDAY JULY 9TH

13h00-14h00	SIB BOARD		Room D2
13h00 - 14h00	Visit the conference village !		
14h00 - 15h00	Plenary Session Chair: R. Kitching		Amphi Bioclim.
	What can we learn about invasion ecology from ant invasions of islands? L. Lach		
15h00-15h30	Coffee Break		Chapiteau
15h30 - 17h30	Island palaeontology (Symp.) Chair: A. van der Geer		Amphi Bioclim.
	1. Island Life before Man (30') A. van der Geer, M. Lomolino, G. Lyras	2. Pleistocene-Holocene environmental changes on Madagascar and associated extinctions (20') S. Goodman	3. Quaternary extinction of large rainforest herbivores on Indonesia's largest island, Sumatra (20') J. Louys, Y. Zaim, G. Price, Y. Rizal, A. Aswan, M. Puspaningrum, A. Trihascaryo, P. Higgins, P. Roberts
	4. Early colonisation of the Philippine islands (20') T. Ingicco, P-A. Antoine	5. How long would it take to recover the number of bird species lost due to humans in New Zealand? (20') L. Valente, E. Rampal S., J. C. Garcia-R.	
15h30 - 17h30	Island Biogeography, macroecology, evolution and conservation of marine organisms (Symp.) Chair: S. Floeter		Amphi Cadet
	1. Marine island biogeography: an overview of patterns and mechanisms involved in endemism and community assembly (15') S. Floeter	2. Evolution and biogeography of marine organisms on seamounts and oceanic islands (15') R. Macieira, H. Pinheiro, G. Bernardi, T. Simon, J-C. Joyeux, R. Macieira, J. L. Gasparini, C. Rocha, L. Rocha	3. Reef fish endemism and functional diversity in oceanic islands (15') J. P. Quimbayo
	4. The rise of politics-based marine conservation in oceanic islands (20') L. Rocha	5. Marine lakes: A view of what is possible in marine islands (20') M. Dawson	6. Fish as indicators of biodiversity change in coral reefs of the Indian Ocean (20') M. Samoilys, R. Roche, K. Osuka Kennedy, A. Halford, D. Obura, M. Gudka, J. Mbugua, G. Rowlands, L. Alvarez-Filip
	7. Temporal patterns of reef fish communities in South Atlantic oceanic islands (15') C. Eduardo Ferreira		

TUESDAY JULY 9TH

15h30 - 17h30 — **Conservation** — Chair: C. Baider — Amphi D1

1. Who really benefits from the worsening human-wildlife conflict and mass-culling of an endangered island flying fox on Mauritius?
(15') V. Florens, C. E. Vincenot

2. Ten years of monitoring and conservation of an endemic island parrot
(15') M. Griffith, T. Payet, J. Appoo, F. Fleischer-Dogley, N. Bunbury

3. Five phases of long-term invasive species management: Lessons from the Amami mongoose eradication project
(15') Y. Watari

4. The value of the long-term Seychelles White-eye Recovery programme and challenges faced by the species
(15') E. Henriette, G. Rocamora, A. Labiche

5. Population dynamics of an endangered endemic seabird of Réunion Island, the Barau's Petrel (Pterodroma baraui): implications for conservation
(15') E. Grzegorczyk, C. Barbraud, P. Pinet, M. Le Corre

6. Metabarcoding analysis of endemic lizards' diet for guiding reserve management in the Macaronesian islands
(15') R. Vasconcelos, C. J. Pinho, V. Gil, B. Santos, V. Mata, C. Aguiar, M. Seguro, C. Jardim, M. Romeiras R. Rebelo, R. J. Lopes

7. Endemic plant species are more palatable to introduced herbivores than non-endemics
(15') S. Irl, J. Cubas, R. Villafuerte, V. Bello-Rodríguez, J. L. Rodríguez-Luengo, M. Del Arco, J. L. Martín-Esquivel, J. M. González-Mancebo

8. Great genetic diversity but high selfing rates and short-distance gene flow characterize populations of a tree (Foetidia; Lecythidaceae) in the fragmented tropical dry forest of the Mascarene islands
(15') F. Martos, N. Cuénin, O. Flores, E. Rivière, G. Lebreton, B. Reynaud, F. Martos

15h30 - 17h30 — **Biogeography** — Chair: S. Hugel — Amphi D2

1. Why theory in island biogeography needs to integrate within-island heterogeneity and non-neutral species
(15') M. Steinbauer, F. Alexander

2. An extended framework for the general dynamic theory of biogeography
(15') M. Carey, J. Boland, G. Keppel

3. Effects of current and historical geography on island biodiversity revealed by an agent-based computer simulation
(15') M. Jõks, H. Kreft, P. Weigelt, M. Pärtel

4. The small island effect: an appraisal of mechanisms
(15') T. Matthews, F. Rigal, K. Kougioumoutzis, P. Trigas, K.Triantis

5. Isolation by elevation promotes speciation on islands globally
(15') R. Field, V. Cutts, A. Algar, M. Steinbauer

6. The role of habitat heterogeneity in the taxonomic and functional diversity of Macaronesian spider communities
(15') P. A. V. Borges, J. Malumbres-Olarte, M. Girardello, P. Cardoso, I. R. Amorim, L. Crespo, M. Arnedo, M. Boeiro, J. Carvalho, R. Carvalho, R. Gabriel, L. Lamelas-Lopez, H. López, O. Paulo, F. Pereira, A. J. Pérez Delgado, C. Rego, M. Romeiras, A. Ros-Prieto, P. Oromí, B. C. Emerson, F. Rigal

7. A roadmap for island bryophyte biogeography and evolution
(15') J. Patiño

TUESDAY JULY 9TH

15h30 - 17h30 — Social sciences on islands — Chair: P. Corral — Room D10

1. Global law as an analysing tool of climate change adaptation: what relevance for justice assessment of coastal governance? (15') A-S. Tabau, M. Thiann-Bo-Morel	**2. Addressing the research-management implementation gap at two UNESCO sites in the Seychelles** (15') N. Bunbury, F. Fleischer-Dogley	**3. An approach to assess the socio-economic impact of conservation projects** (15') J. Benedicto, S. Hervías Parejo, A. De La Cruz, P. Geraldes, L. Costa, A. Gil
4. Breaking the "Poor data poor decision" loop. Strategies to balance geographic data- knowledge biases in marine spatial planning (15') A. Shabtay, V. Plot, G. Potin, F. Dargen, E. Lagabrielle	**5. Legitimacy of the scientific expertise and its media coverage in an island context: analysis of media corpus on the theme of shark risk in La Réunion** (15') B. Losen, G. Molinatti, B. Idelson	**6. SEGA One Health: planning for the future of effective integrated health surveillance in the Indian Ocean** (15') H. Rasamoelina, S. A. Aboubacar, F. B. Andriamainty, J. Bibi, E. Cardinale, F. Chieze, V. Gudjadhur, D. Meenowa, J. Mélanie, G. Ollivier Gouagna, C. Onzade, A. Rakotoarisoa, H. Rasamoelina, B. Said Ahmed, E. Schelling
7. Unpacking the controversies around the management and control of the invasive plant, Rubus alceifolius, in Réunion Island: preliminary elements for a sociological research (15') M-C. Cybele	**8. Sacred groves as habitat islands: biodiversity conservation through cultural practices** (15') A. Ormsby	

17h30 - 18h30 — Poster session II — Atrium

WEDNESDAY JULY 10TH

9h00 - 16h00 — Capacity building workshop in scientific writing for young researchers. This workshop is part of the FEDER funded (European Fund for Delevopement in Teaching and Research) project MIMUSOPS dedicated to the dissemination and consolidation of research on island biodiversity and conservation in the South Western Indian Ocean. — Room S1.1.4
VAHATRA

PERSONAL NOTES:

THURSDAY JULY 11TH

8h30 - 9h30	**Plenary Session** Chair: J. M. Fernandez Palacios		Amphi Bioclim.
	Orchids, moths, and birds on Madagascar, Mauritius, and Reunion: island systems with well-constrained timeframes for species interactions and trait change S. Renner		
9h30 - 10h00	**Coffee Break**		Chapiteau
10h00 - 12h00	**Functional island biogeography - concepts and prospects (Symp.)** Chair: H. Kreft		Amphi Bioclim.
	1. Functional island biogeography: the next frontier in island biology (30') H. Kreft	**2. A global review of insular woodiness and its potential functional significance** (20') A. Zizka, F. Lens	**3. Drivers of woody alien invasions across spatial scales in the Hawaiian Islands** (20') D. Craven, J. Chase, T. Knight
	4. Predicting the functional trait composition of insular communities: an application to tropical reef fishes (20') C. Jacquet, D. Mouillot, M. Kulbicki, D. Gravel	**5. Extinction-driven changes in insular frugivore communities: worldwide and in Mauritius** (20') J. Heinen, W. D. Kissling, E. Van Loon, D. Hansen	
10h00 - 12h00	**Conservation** Chair: F. Martos		Amphi Cadet
	1. Are humans decreasing species diversity or only phylogenetic diversity in mammals on islands? (15') S. Faurby, R. Pedersen, J-C. Svenning A. Antonelli	**2. Systematic conservation planning in New Caledonia: supporting sustainable land-use policies with reserve selection models** (15') D. Justeau-Allaire, N. Rinck, X. Lorca, E. Coutures, P. Birnbaum	**3. A science and conservation success story: insights from 30 years of research on Seychelles warblers** (15') M. Hammers, H. Dugdale, T. Burke, D. Richardson, J. Komdeur
	4. Biodiversity conservation needs on European overseas islands: lessons from Macaronesia (15') J. Azevedo, L. Madruga	**5. Evidences of global warming on island coastal biota: lessons from the Azores** (15') A. I. Neto, E. Cacabelos, J. Faria, I. Moreu, A. C. L. Prestes, J. M. N. Azevedo, G. M. Martins	**6. A model-based evaluation of reefs connectivity and habitat degradation scenarios - Implications for future marine spatial planning and marine conservation policies in the Western Indian Ocean** (15') E. Crochelet, J. Roberts, P. Chabanet, C. Martinez
	7. Individual variation in invasive island predators: consequences and management implications (15') T. Bodey, R. Mcdonald, J. Russell	**8. Impacts of climate change on invasive plants in small islands: the case of Azores** (15') M. Teresa Ferreira, R. Bento Elias	

THURSDAY JULY 11TH

10h00 - 12h00 — Marine ecology — Amphi D1
Chair: P. Chabanet

1. Monitoring one of the world's largest breeding populations of frigatebirds (15') L. Cook, N. Bunbury, C. Sanchez, A. Burt, F. Fleischer-Dogley	**2. Population decline in key oceanic seabird colony of the Eastern Indian Ocean: Could illegal egg harvesting be the prime cause?** (15') R. Mondreti, P. Davidar, D. Grémillet	**3. Tracking tropical seabirds at sea: intra- and interspecific differences in the foraging ecology of white-tailed and red-tailed tropicbirds on Indian Ocean islands** (15') A. Fayet, C. Sanchez, G. Rocamora, G. Clucas, N. Khan, J. Appoo , N. Bunbury
4. Unravelling the relative importance of top-down and bottom-up environmental effects driving vital rates according to sex, colony and experience in long lived species, the snow petrel (15') C. Sauser	**5. Exploring what movements matter in a critical eco-epidemiological situation, the case of avian cholera in seabirds of Amsterdam island** (15') J. Tornos, A. Gamble, R. Bazire, M. Bely, H. Gantelet, K. Delord, C. Barbraud, H. Weimerskirch, R. Garnier, T. Boulinier	**6. Genetic diversity and colony isolation in one of the world's most endangered seabirds, the Mascarene petrel (Pseudobulweria aterrima), endemic to Reunion Island (Indian Ocean)** (15') J. Lopez, M. Riethmuller, J. Dubos, P. Pinet, P. Souharce, F-X. Couzi, M. Le Corre, A. Jaeger, A. Grondin, L. Humeau
7. Connectivity within an oceanic seamount system: comparative phylogeography of widely-distributed benthic invertebrates from the Indo-West Pacific (15') M. Castelin, E. Pante, N. Da Rochas, D. Aurelle, S. Samadi		

10h00 - 12h00 — Plant-animal interactions as drivers of biodiversity conservation on islands (Symp.) — Amphi D2
Chairs: A. González Castro / S. Hervías Parejo

1. A global review of frugivory and seed dispersal on islands (20') M. Nogales, K. Mcconkey, T. Carlo, D. Wotton Debra, P. Bellingham, A. Traveset, A. González-Castro, R. Heleno, K. Watanabe, H. Ando, D. Drake	**2. Double mutualisms: a global island phenomenon** (20') A. Traveset	**3. The forgotten fauna: native seed predators on islands** (20') D. Drake, J. Carpenter, J. Wilmshurst, K. Mcconkey, J. Hume, D. Wotton, A. Shiels
4. Threatened plant seeks pollinator (or when conservation practices prevent mutualistic interactions) (20') A. González Castro, F. Siverio	**5. The role of morphological traits in mutualistic interactions among plants and vertebrates in the Galápagos** (15') S. Hervias-Parejo, R. Heleno, M. Nogales, J. Olesen, P. Vargas, A. Traveset	**6. A Fijian rainforest tree requires bats to open its flowers - the strange evolutionary case of chiropteropisteusis, a new pollination system** (15') S. Petit, A. T. Scanlon, A. Naikatini, T. Pukala, R. Schumann

10h00 - 12h00 — The TASCMAR EU H2020 Project — Room D2
J. OUAZZANI

THURSDAY JULY 11TH

10h00 - 12h00	**Biological invasions on islands** Chair: C. Leppanen		**Room D10**
	1. New insights on the origin and dispersion history of invasive populations of the small Indian mongoose, Urva auropunctata, in the Caribbean islands (15') V. Louppe, A. Lalis, J. Abdelkrim, J. Baron, G. Veron	**2. Invasive predator ecology and impacts in a biodiversity hotspot. The feral cat Felis catus in the New-Caledonian archipelago** (15') P. Palmas, H. Jourdan, F. Rigault, L. Debar, H. De Méringo, E. Bourguet, M. Mathivet, R. Gouyet, M. Lee, M. Oedin, R. Adjouhgniope, Y. Papillon, E. Bonnaud, E. Vidal	**3. Is reproductive ecology behind the success of an invasive snake on a Mediterranean island?** (15') E. Montes, M. Feriche, E. Alaminos, L. Ruiz Sueiro, J. M. Pleguezuelos
	4. Twenty years of the invasion of the California kingsnake (Lampropeltis californiae) in Gran Canaria island (15') J. C. Piquet, R. Gallo-Barneto, M. A. Cabrera-Pérez, M. A. Peña-Estévez, C. Monzón-Argüello, C. Patiño-Martínez, L. F. López-Jurado, M. Nogales, M. López-Darias	**5. Invasion dynamics of an amphibian with frequent human-mediated translocations on the Andaman archipelago** (15') N. Prakash Mohanty, J. Measey, C. Hui	**6. Global distributions of three highly invasive bird species under climate change** (15') M. Thibault, M. Potter, F. Brescia, M. Barbet-Massin
	7. Varroa destructor invasion in the South West Indian Ocean islands and its mortality impacts on the endemic honeybee subspecies Apis mellifera unicolor in Madagascar, Mauritius and La Réunion (15') O. Esnault, P. Sookar, P. Razafindraibe Nivohanitra, M-P. Chauzat, H. Delatte	**8. Towards island-specific scenarios of biological invasions in the 21st century** (15') B. Lenzner, F. Essl	
12h00 - 13h00	**Lunch**		**Chapiteau**

PERSONAL NOTES:

THURSDAY JULY 11TH

13h00-13h45 — Introduction to European funding opportunities for Biodiversity and Conservation projects — Amphi Bioclim.
NEXA

14h00 - 15h00 — Plenary Session — Amphi Bioclim.
Chair: Brent Emerson

Ecology of rain forests on a large tropical island: lessons from New Guinea
V. Novotny

15h00-15h30 — Coffee Break — Chapiteau

15h30 - 17h30 — Island reptiles: the rich diversity of continental and oceanic islands (Symp.) — Amphi Bioclim.
Chair: K. Tolley

1. Biogeography of Gulf of Guinea Oceanic Island Reptiles (20') L. Ceríaco	**2. Biodiversity growth on the volcanic ocean islands and the roles of in situ cladogenesis and immigration: case with the reptiles** (20') J. Ali, S. Meiri	**3. Ecological and evolutionary determinism in Greater Antillean reptiles** (20') G. Reynolds, J. Losos
4. The evolution of an island phenotype: results from an experimental introduction (20') A. Herrel, A-C. Fabre, M. Vasilopoulou-Kampitsi, J. Foufopoulos, M. Taverne, D. Lisičić, Z. Tadić, P. Pafilis, C. Donihue	**5. Lizard discoveries and rediscoveries in the New Caledonian region** (20') A. Bauer, R. Sadlier	

15h30 - 17h30 — New insights into the assembly of island biota, filtering effects and disharmony (Symp.) — Amphi Cadet
Chairs: A. Taylor / P. Weigelt

1. Disharmony of the world's island floras (20') C. König, P. Weigelt, A. Taylor, A. Stein, W. Dawson, F. Essl, J. Pergl, P. Pysek, M. Van Kleunen, M. Winter, C. Chatelain, J. Wieringa, P. Krestov Pavel, H. Kreft	**2. Drivers of orchid diversity, endemism and disharmony on islands** (20') A. Taylor, G. Keppel, P. Weigelt, G. Zotz, H. Kreft	**3. Using islands to understand the dynamics of ecological networks: 1st lessons from Hawaii** (20') N. Graham, H. Krehenwinkel, P. Oboyski, C. Boettinger, R. Gillespie
4. Functional traits and life history dimensions explain filtering in island communities (20') J. Schrader, D. Craven, S. Moeljono, H. Kreft	**5. The influence of native species composition on the invasibility of island floras across spatial scales** (20') P. Weigelt, D. Craven, W. Bach C. König Christian, W. Dawson, F. Essl, M. Van Kleunen, J. Pergl, P. Pyšek, M. Winter, H. Kreft	

15h30 - 17h30 — Restoration ecology / ecological restoration — Amphi D1
Chair: J.-Y. Meyer

1. Moving toward data-driven ecological restoration of vegetation in the Hawaiian islands (15') J. Price, A. Cole	**2. Invasion impacts and medium-term benefits of controlling invasive alien plants in one the most invaded island forests worldwide** (15') C. Baider, F. B. V. Florens	**3. Ecological processes shaping community dynamics in seasonally dry tropical forests: lessons learned from a restoration program on Réunion island** (15') N. Cuénin, C. Latreille, P. Stamenoff, P. Truong, O. Flores
4. Rewinding for rewilding: Suppressing the brown tree snake to reintroduce the endangered Guam kingfisher (15') C. Leppanen, D. Simberloff	**5. World's first successful national eradication of ring-necked parakeets Psittacula krameri** (15') J. Appoo, J. Agricole, J. Moumou, F. Fleischer-Dogley, N. Bunbury	**6. Coral reef regeneration experiment with mineral accretion technology: a case study on Fregate Island, Seychelles** (15') R. Baxter, A. Allahgholi
7. Restoring degraded water catchments using ecosystem-based adaptation tools for long-term benefits of downstream communities in Seychelles (15') V. Stravens, B. Senterre		

THURSDAY JULY 11TH

15h30 - 17h30	**Species interactions / networks / trophic ecology** — Chair: D. Drake		Amphi D2
	1. The feeding competition between the Mauritian flying fox Pteropus niger and the invasive crab-eating macaque Macaca fascicularis (15') R. Reinegger	**2. Depauperate seed rain but effective recruitment after reinstated dispersal evidence strong impacts of frugivore extinctions on native forest regeneration after natural disturbance** (15') S. Albert, O. Flores, C. Franc, D. Strasberg	**3. Seed dispersal by chelonians and the virtually intact Aldabra seed dispersal network** (15') W. Falcón, C. N. Kaiser-Bunbury, N. Bunbury, D. Moll, D. M. Hansen
	4. Alien ant-disrupted pollination mutualism of a declining island endemic plant varies temporally and is worsened by alien plant invasion (15') P. Bissessur, C. Baider, F. B. V. Florens	**5. Effects of exotic pollinators on network structure and ecosystem function** (15') A. Lonighi	**6. Community-wide difference in floral traits between continental and oceanic island coastal plants** (15') U. Atushi, M. Hiraiwa
	7. Speciation of the sect. Camellia based on pollinator shift in Japanese islands (15') H. Abe, H. Miura, R. Katayama, W. Zhonglang		
15h30-17h30	**Restoration of severely fragmented habitats** — Lourens MALAN / Helen ROY / Danielle FROHLICH		Room D2
15h30 - 17h30	**Atmosphere - biosphere – geosphere interaction** — Chair: J.-P. Cammas		Room D10
	1. Will climate change shift tropical montane cloud forests upwards on islands? (15') R. Pouteau, T. Giambelluca, C. Ah-Peng, J-Y. Meyer	**2. The challenges of measuring cloud liquid water content and cloud water interception in tropical montane cloud forests** (15') T. Giambelluca, H. Tseng, M. Nullet, J. Delay, J. Griswold, F. Steffen, S. Howell, A. Nugen, C. Winchester, D. Beilman	**3. Cloud water interception and resilience of tropical montane bryophytes to climate change in cloud forests of La Réunion** (15') C. Ah-Peng, L. Guérot, L. Figenschou, A. Doizy, P. Staménoff, T. A. J. Hedderson
	4. Preliminary results from the FARCE 2015 campaign: multidisciplinary study of the forests-gases-aerosols-clouds system in the tropical island of La Réunion (15') V. Duflot, P. Tulet, O. Flores, C. Barthe, A. Colomb, L. Deguillaume, M. Vaïtilingom, A. Perring, D. Strasberg	**5. Climate change in the southwest Indian ocean: observations and projections** (15') M-D. Leroux, F. Bonnardot	**6. Satellite based oceanic monitoring around Reunion Island for the years 2003 to 2017** (15') A. Wiefels, J. C. Fischer, O. Flores, E. Lagabrielle
17h30 - 18h30	**Poster session III**		Atrium
19h00 - 22h00	**Conference diner**		

PERSONAL NOTES:

FRIDAY JULY 12TH

8h30 - 10h00 — The GeoMapApp — Room D2
J. Ali

8h30 - 10h00 — Data: availability, importance and evolution for island biodiversity and conservation — Room D3
N. Becker

8h30 - 10h30 — International project development workshops on natural ecosystems — Room D10
NEXA

9h30 - 10h00 — Coffee Break — Chapiteau

10h00 - 12h00 — Trait dependent diversification on islands (Symp.) — Amphi Bioclim.
Chair: F. Lens

1. A global review of insular woodiness and its impact on diversification (20') F. Lens, A. Zizka	**2. The dark side of the island rule or how traits acquired on islands make endemic species more vulnerable to extinction** (20') J. M. Fernandéz-Palacios	**3. Detecting trait-dependent diversification** (20') E. Rampal, L. Herrera-Alsina, E. Wilwert, M. Maan
4. Frugivory-related traits promote island radiations of tropical palms (20') R. Onstein, W. J. Baker, T. L.p. Couvreur, S. Faurby, J-C. Svenning, W. D. Kissling	**5. The role of traits in non-adaptive diversification: some insights from a continental archipelago.** (20') A. Papadopoulou, J. Ortego	

10h00 - 12h00 — Seabirds on islands (Symp.) — Amphi Cadet
Chair: M. Le Corre

1. Seabird on islands: general overview and a case study (20') M. Le Corre, J. Hivert, S. Orlowski, G. Dicque, M. Manoury, M. Berlincourt, M. Saunier, F. Bignon, D. Ringler	**2. Consequences of multi-species introductions on island ecosystems** (20') C. Kaiser-Bunbury, J. Russell	**3. Seabirds on islands: unraveling drivers of spatial distribution for breeding seabird populations on New-Caledonia islets** (20') T. Berr, K. Bourgeois, H. De Méringo, J. Baudat-Franceschi, E. Vidal
4. Behavioural ecology and impact of feral and domestic cats at a coastal seabird colony of Reunion Island: implications for conservation (20') A. Choeur, L. Faulquier, S. Orlowski, J. Dijoux, G. Potin, S. Bureau, M. Le Corre	**5. Seabird recovery following rat and cat eradication in Seychelles: achievements and challenges.** (20') G. Rocamora	**6. Initial seabird response to an on-going rat eradication project on Lehua islet, Hawaii (USA)** (20') A. Raine, E. Vanderwerf, J. Atwood, P. Chee, C. Chow, P. Baiao, M. Khalsa, G. Howald, S. Siersn, S. Mann

PERSONAL NOTES:

FRIDAY JULY 12TH

10h00 - 12h00	**Biogeography** — Chair: H. Jourdan		**Amphi D1**
	1. Distribution and relative age of endemism across islands worldwide (11') R. Pellens, S. Veron, R. Govaerts, M. Mouchet, T. Haevermans, R. Pellens	**2. The Pacific basin as a laboratory to study islands disharmony** (19') A-C. Monnet, P. Grandcolas, T. Haevermans, R. Pellens	**3. Do endemic trees flora make endemic forests? Insights from New Caledonian forests** (15') P. Birnbaum, T. Ibanez, R. Pouteau, H. Vandrot, V. Hequet, G. Blanchard, J. Girardi, D. Justeau-Allaire, J-J. Cassan
	4. Understanding patterns of micro-endemism in chameleons: case of Furcifer nicosiai (Reptilia, Chamaeleonidae) in the western dry forest of Madagascar (15') M. Raselimanana	**5. Out of the blue - the phylogeographic tale of freshwater amphipods (Malacostraca) from the Mediterranean Islands** (11') K. Hupalo, F. Stoch, T. Mamos, L. Karaouzas, T. Rewicz, A. Wysocka, F. O. Costa, M. Grabowski	**6. Changes in biota following volcanic eruption on Nishinoshima island among the Ogasawara islands in subtropical Japan** (19') K. Kawakami
	7. Islands in the ice: patterns in and threats to the unique terrestrial biodiversity of the Antarctic (15') P. Convey	**8. Distribution of genetic diversity of the subantarctic crab Halicarcinus planatus: first marine alien reaching Antarctica** (15') K. Gérard, Z. Lopez, C. Ceroni, C. Gonzalez-Wevar, E. Poulin	
10h00 - 12h00	**Palaeo-biology / Palaeo-environments** — Chair: D. Campbell		**Amphi D2**
	1. Living on the edge: the effects of long-term climate change and fire activity on the remnant cool temperate rainforests of Tasmania (Australia) (15') M. Mariani, M-S. Fletcher, S. Haberle, J. Chin, G. Jacobsen, A. Zawadzki	**2. Archipelagos in the Anthropocene - the legacies of past human-environment interactions on islands** (15') S. Norder, R. F. De Lima, J. M. Fernandez-Palacios, L. De Nascimento, M. Romeiras, R. Elias, L. Catarino, L. Ceríaco, R. Gabriel, M. Menezes De Sequeira, S. Nogué, M. Matos, K. Rijsdijk, M. Hall, P. A. v. Borges	**3. A new record of human settlement and past environmental change of the Comoros** (15') S. Haberle, S. Rule, G. Roberts
	4. When were the Azorean Islands really colonized? A high-resolution paleolimnological approach (15') P. M. Raposeiro, V. Gonçalves, E. J. De Boer, V. Rull, A. Lara, A. Hernández, S. Pla-Rabes, A. C. Costa, H. Marques, C. Ritter, M. Jesús-Rubio, M. Benavente-Marín, N. Richter, L. Amaral-Zettler, A. Sáez, R. Bao, D. Vázquez-Loureiro, H. Yongsong, M. Matias, C. Pereira, R. M. Trigo, S. Giralt	**5. Biodiversity dynamics after human arrival on islands: are islands at an ecological crossroad?** (15') S. Nogué, A. M. C. Santos, L. De Nascimento, J. Wilmshurst, E. De Boer, S. Haberle, R. Whittaker, J. M. Fernandéz-Palacios, K. Willis, M. Steinbauer	**6. Tracking human impact on island ecosystems by detecting "ghost taxa" with ancient DNA** (15') L. De Nascimento, J. Wood, J. M. Fernandéz-Palacios, J. Caujapé-Castells, C. Criado, R. Jaén-Molina, A. Naranjo-Cigala, S. Nogué, J. Wilmshurst
	7. Archaeobiogeography of extinct rice rats (Oryzomyini) in the Lesser Antilles during the Ceramic Age (500 BC to 1500 AD) (15') M. Durocher, J. Utge, V. Nicolas, A. Evin, S. Grouard	**8. Cylindraspis - from whence thou hast com'st to thine home? Mitogenomes give the answer** (15') U. Fritz, E. Graciá Martínez, P. D. Campbell, S. Schweiger, C. Kehlmaier	
12h00 - 13h00	**Lunch**		**Chapiteau**

FRIDAY JULY 12TH

13h00-14h00 — Poster session IV — Atrium

14h00 - 16h00 — Dispersal ecology meets island evolution (Symp.) — Amphi Bioclim.
Chairs: J. Patino / A. Vanderpoorten

1. **You move, I change: model-based approaches reveal striking differences between the evolution of plants and animals in the Canary Islands**
(35') I. Sanmartin, J. Fuertes, J. Nylander, F. Ronquist

2. **Dispersal, niche and topoclimatic variation: speciation consequences for island invertebrates**
(20') B. Emerson, A. Salces-Castellano, V. García-Olivares, J. Patiño

3. **Defining geographical island isolation for terrestrial mammalian dispersal**
(20') Z. Carter, J.Russell, G. Perry

4. **Tridactyle (Orchidaceae): a story of speciation and colonisation in São Tomé and Príncipe.**
(20') T. D'haijère, P. Mardulyn, E. Kaymak, O. Hardy, T. Stévart

5. **Combining species distribution models with dispersal kernels to predict range shifts in wind-dispersed organisms under changing climate conditions**
(25') A. Vanderpoorten, F. Zanatta, R. Engler, F. Collart, O. Broenimann, J. Muñoz, R. Mateo, A. Guisan, A. Vanderpoorten

14h00 - 16h00 — Ecology on islands — Amphi Cadet
Chair: B. Reynaud

1. **What is biodiversity? How to better observe it and understand it in the 21st century?**
(15') B. Senterre, T. Padayachy, M. Wagner

2. **Decreasing dominance of the endemic tree Uapaca bojeri drives the spread of Pinus in the sclerophyll Tapia forest, Madagascar**
(15') M. Herimino Rajaonarivelo, O. Flores, B. Ramamonjisoa, J-M. Bouvet

3. **Lone fighters or team players? How co-occurrence patterns shape the patchy vegetation in arid volcanic environments**
(15') P. Eibes, S. Irl, A. Chiarucci, J. Eisenbacher, R. Field, T. Köhler , O. Vetaas, C. Beierkuhnlein

4. **Grassland habitat islands in urban areas: testing ecological theories**
(15') B. Tóthmérész, B. Hüse, O. Valkó, E. Katona, B. Deák

5. **Diversity of grassland habitat islands: habitat and landscape filters of plant establishment in agricultural landscapes**
(20') B. Deák, O. Valkó, P. Török, A. Kelemen, B. Tóthmérész

PERSONAL NOTES:

FRIDAY JULY 12TH

14h00 - 16h00	Evolution on islands Chair: H. Meimberg			Amphi D1
	1. The eco-evolutionary feedbacks of why island forms so often differ from their mainland counterparts (15') T. Coulson, S. Clegg	2. Island versus mainland evolution of a "great speciator": contrasting patterns of morphological diversification in the white-eye radiation (15') J. Day	3. A meta-analysis of mainland and island populations suggests a general isolation syndrome affecting traits, demography, and genetic diversity (15') F. Ó Marcaigh, A. M. Csergő, M. Ea. Baudraz, K. Healy, D. Kelly, R. Kelly, D. O'connell, F. Ó Marcaigh, A. L. Smith, J. Villellas, C. White, J. Wilson, Q. Yang, Y. M. Buckley	
	4. Plant mating systems on islands (15') P-O. Cheptou	5. The biogeography of insular size evolution: the effects of isolation, island area and age on size changes in island plants (15') M. Biddick	6. Evolutionary convergence in the flora of New Caledonia: correlated evolution and environmental contingencies of monocauly (15') S. Isnard, D. Bruy, L. Barrabé, J. Munzinger	
	7. Understanding biodiversity dynamics by applying eco-evolutionary simulation models to insular systems (15') J. Sarmento Cabral, L. Leidinger, D. Vedder, K. Wiegand, R. J. Whittaker, H. Kreft			
16h00 - 16h30	Coffee Break			Chapiteau
16h30 - 18h30	Closing session: awards, next round (IB2022) and farewell			Amphi Bioclim.
18h30 - 19h00	French Antarctic and southern islands			Amphi Bioclim.
19h00 - 21h00	Closing cocktail and concert of local music			Chapiteau

SATURDAY JULY 13TH

9h00 - 13h00	Capacity building workshop in scientific writing for young researchers. This workshop is part of the FEDER funded (European Fund for Delevopement in Teaching and Research) project MIMUSOPS dedicated to the dissemination and consolidation of research on island biodiversity and conservation in the South Western Indian Ocean. VAHATRA	Room S1.1.4

GENERAL PROGRAM - POSTERS

Monday, July 8 — Atrium

Biogeography P1-01. Biogeography of Hermannia (Malvaceae): Islands, sky islands and montane barriers. Gwynne-Evans David	Biogeography P1-02. Origin and diversity of an emblematic Mascarene hygrophilous lineage: the case of filmy ferns Martos Florent, Hennequin S, Le Péchon T, Ebihara A, Dubuisson JY	Biogeography P1-03. First genus-wide phylogeny of the genus Ramalina (lichenized Ascomycota) sheds light on the endemic diversity in Macaronesia Pérez-Ortega Sergio, Pérez-Vargas I, Blázquez M, Garrido-Benavent I, Aptroot A, Bungartz F, Blanchon D, Caceres MES, Divakar PK, Ertz D, Fernández-Mendoza F, Flakus A, Gasparyan A, Gockman O, Kirika P, Knight A, Lagreca S, Leavitt S, De Los Ríos A
Biogeography P1-04. Regional patterns of vascular species richness in a subarctic island and the role of environment and history Thorhallsdottir Thora Ellen, Wasowicz Pawel	Biogeography P1-05. Edaphic habitat islands in quartz fields of South Africa ? a model system for island biogeography? Eibes Pia, Schmiedel U, Oldeland J, Irl S	Biogeography P1-06. Biodiversity and biogeography of soil protists in continental and oceanic islands Mitchell Edward, Bruni E, Lentendu G
Biogeography P1-07. The importance of small islands in maintaining biodiversity: species-area relationship and structural connectivity. An example from the Western Mediterranean. Corti Claudia, Biaggini M, Sillero N	Biogeography P1-08. Long-term persistence within Antarctica's most speciose plant genus, the moss Schistidium Convey Peter, Biersma E, Jackson J, Stech M	Biogeography P1-09. GIFT ? A Global Inventory of Floras and Traits for island biogeography Weigelt Patrick, König C, Kreft H
Biogeography P1-10. Inventory of Mayotte echinoderms: methodology and perspectives Ducarme Frédéric	Biogeography P1-11. Centres of endemism in the bryoflora of southern Africa Phephu Nonkululo, Witkowski E, Van Rooy J, Sim-Sim M M P	Biogeography P1-12. Increasing knowledge on the threatened endemic bryophytes from Macaronesia: main threats, priority habitats and the role of Natura 2000 Sim-Sim Manuela, Gabriel Rosalina, González-Mancebo Juana, Martins Anabela
Biogeography P1-13. Insular biodiversity: biogeography of reptiles of Malagasy near-shore islands Rakotoarimalala Fandresena, Raherilalao M J, Rafanomezantsoa J, Raselimanana A P	Biogeography P1-14. Multiple colonizations and parallel radiations of Peperomia (Piperaceae) on the Hawaiian Islands suggest context-dependent role of niche preemption in diversification on oceanic islands Lim Junying, Marshall C, Zimmer E, Wagner W	Biogeography P1-15. Latitudinal and longitudinal variation of body mass of some Malagasy understory birds Faliarivola Manoa Lahatriniavo, Goodman S M, Raherilalao M J
Biogeography P1-16. Intraspecific diversification with polyploidization of Clerodendrum trichotomum s.lat. in the Japanese archipelago Mizusawa Leiko, Tsunamoto Y, Sakaguchi S, Yoshihisa S, Ishikawa N, Yano O, Fujii S, Isagi Y	Conservation P1-17. Biodiversity of terrestrial arthropods in Réunion island Strasberg Dominique, Legros V, Rochat J, Flores O, Wilding N, Rouget M, Ah-Peng C, Beynaud B	Conservation P1-18. Vegetation characterization, effect of prescribed fire and forage quality in insular savannas. Gaud Pauline, Tangama M, Ah-Peng C, Boullet V, Briffaud S
Conservation P1-19. Implementation of a sampling protocol for the delimitation of ZNIEF in Grande Comore Island Hassani Mohamed Fanya, AhmedA A, Rouget M, Strasberg D	Conservation P1-20. Saving the Swamper - research and efforts for conservation of the endemic and Critically Endangered Utila Spiny-tailed iguana. Utila, Islas de la bahia, Honduras. Maryon Daisy, Brown T	Conservation P1-21. Conservatoire Botanique National de Mascarin: An essential tool for knowledge, preserving and assisting decisions on the most endangered plants and habitats of La Réunion, Mayotte and Iles Eparses. Lavergne Christophe, Dimassi A, Abdallah A, M'chindra A F, Chauvrat A, Rhumeur A, Mallet B, Danger C, Fontaine C, Josserond D, Picot F, Fossy H, Huet I, Hivert J, Ferard J, Lacoste M, Anxionnaz P, Traclet S, Rochier T, Pascual V, Cuidet Y, Futhazar J
Conservation P1-22. Knowledge and conservation of the unknown and threatened flora of Mayotte Traclet Sebastien	Conservation P1-23. Monitoring terrestrial arthropod fauna in Reunion for knowledge and conservation of habitats Flores Olivier, Rochat J, Legros V, Rouget M, Wilding N, Ah-Peng C, Reynaud B, Strasberg D	Conservation P1-24. Assessment of frugivorous bird populations in a naturally fragmented landscape by acoustic monitoring (Reunion, Mascarenes) Maigné Louis, Besson E, Flores O, Strasberg D, Albert S

GENERAL PROGRAM - POSTERS

Monday, July 8 — Atrium

Conservation **P1-25. Predictive habitat models integrating anthropic pressures to aid conservation of a rare species on Reunion island: The Mascarene Petrel.** Huré Mathilde , Rouget M, Pausé JM, Amy E Pinet P	Conservation **P1-26. Identifying Terrestrial Conservation Priorities on the Island of Anjouan, Comoros, to Inform Policy and Practice** Houmadi Amelaid, Fust P, Ormsby L, Buckland S, Ratsirarson J	Conservation **P1-27. Connectivity of island ecosystems from a management and ecological perspective** Burt April
Conservation **P1-28. Genomic structure of Black lemur populations and a long term conservation program at the Ampasindava Peninsula, north-western Madagascar** Ratsoavina Mihaja Fanomezana, Chikhi Lounes, Radespiel Ute, Metzger Julia	Marine Ecology **P1-29. A shark Reunion: environmental DNA assessment of an oceanic island** Fernandez Chloé, Baillie C, Vigliola L, Magalon H, Jaquemet S	Marine Ecology **P1-30. Phenology, at-sea distribution and activity of a critically endangered tropical seabird, the Mascarene petrel (Pseudobulweria aterrima)** Saunier Merlène, Pinet P, Humeau L, Le Corre M, Dubos J
Marine Ecology **P1-31. Influence of post-settlement events on coral population structure: a multi-scale analysis along a latitudinal gradient** Guerbet Arnaud, Adjerdoud M, Penin L	Marine Ecology **P1-32. Negative impacts of drifting FADs in the EEZ of French Polynesia** Taquet Marc, Raapoto H, Maamaatuaiahutapu K, Tanetoa M, Yen Kai Sun S, Gaertner JC	Marine Ecology **P1-33. Genomics of Adaptation on Islands** Antunes Agostinho
Marine Ecology **P1-34. Does climate change affect coral and hydroids reproduction? 10 years of monitoring in fire and scleractinian corals in Reunion Island** Febvre Océane	Marine Ecology **P1-35. Does global change enhance jellyfish population over the Reunion Island coral reefs? A comparison between 2006 and 2017.** Frelin Charline, Berrocq-Irigoin G, Goron M, Gibbons M, Thibault-Botha D, Bourmaud C	Marine Ecology **P1-36. Physical and biological drivers of herbivory on subtidal reefs of tropical oceanic islands** Lamb Robert W, Lupi Camila, Smith F, Witman JD
Marine Ecology **P1-37. Depredation mitigation device for pelagic longline fisheries: the PARADEP project** Rabearisoa Njaratiana, Guinet C, Guérin P, Bach P	Marine Ecology **P1-38. Why fine-scale thermal structure is the key to the foraging success of little penguins?** Barreau Emmanuelle, Kato A, Chiaradia A, Ropert-Coudert Y	Marine Ecology **P1-39. Patterns and drivers of coral reef resilience at Aldabra Atoll, Seychelles** Koester Anna, Bunbury N, Migani V, Burt A, Sanchez C, Fleischer-Dogley F, Wild C

GENERAL PROGRAM - POSTERS

Tuesday, July 9 — Atrium

Atmosphere - biosphere interaction **P2-01. The critical zone observatory OZCAR in La Reunion, targets and future challenges to manage our changing island environments.** Join Jean-Lambert	Biological invasions on islands **P2-02. Distribution of the invasive species Nicotiana glauca R.C. Graham on recent lava fields. Evaluation of the degree of invasion and proposals for control** Naranjo-Cigala Agustín, González-Rodríguez María I. Márquez M, González-García Aday M, Gil Mario H, Salas M, Arévalo José R	Biological invasions on islands **P2-03. Ecological characterization and evaluation of the production of Ravenala madagascariensis Sonn. in the savoka of Ranomafana-Est and its surroundings (District of Brickaville)** Randrianantenaina Noëlson Rolland, Rafidison V, Roger E
Biological invasions on islands **P2-04. Ecological characterization of the vegetation of Ravenala madagascariensis and Sticherus flagellaris invasive species in Betampona Nature Reserve** Rasoaharinirina Mino, Razafimamonjy N, Roger E	Biological invasions on islands **P2-05. Insect herbivory on native and alien plants in Iceland** Tamayo Mariana	Biological invasions on islands **P2-06. Characterization of the skin and gut bacteria communities of the invasive Asian Toad in Madagascar and comparison with a native species** Crottini Angelica, Santos B, Rakotonanahary T, Ndriantsoa S, Noël J, Solofo Niaina Fidy JF
Biological invasions on islands **P2-07. Putting the green light on native island species ? the help of negative legislative lists** Bonnaud Elsa, Zarzoso-Lacoste D, Palmas P, Maillard JF, Legrand J, Russell J, Vidal E, Bellard C, Courchamp F	Biological invasions on islands **P2-08. What are the possibilities of Halicarcinus planatus, a subantarctic crab, to survive in the West Antarctic Peninsula?** Lopez Zambra, Gerard K, Poulin E, Paschke K, Guillaumot C, Duličre V, Vargas L	Biological invasions on islands **P2-09. Feral cat threat on French Polynesia inhabited islands: influence of island characteristics.** Palmas Pauline, Meyer JY, De Méringo H, Teatiu G, Teatiu S, Timau T, Maihota N, Gaertner JC, Vidal E
Biological invasions on islands **P2-10. Population dynamics and damages of the invasive phloem-feeder psyllid Acizzia uncatoides (Hemiptera : Psyllidae) on the endemic tree Acacia heterophylla on La Réunion Island** Angebault Géraldine, Rouget Mathieu, Reynaud Bernard, Vinot M, Marquereau L, Dervin S, Salamolard M	Biological invasions on islands **P2-11. The invasion of the Lime Swallowtail in Australasia and its effect on endemic populations in the Lesser Sunda Islands** Wiemers Martin, Lohman DJ	Biological invasions on islands **P2-12. Remoteness promotes the biological invasions on islands worldwide** Lenzner Bernd, Moser D, Weigelt P, Dawson W, Kreft H, Pergl J, Pysek P, Van Kleunen M, Winter M, Capinha C, Cassey P, Dullinger S, Economo E, García-Díaz P, Guénard B, Hofhansl F, Mang T, Seebens H, Essl F
Biological invasions on islands **P2-13. Interspecific interactions between a new invasive Tephritid fruit fly, Bactrocera dorsalis, and other resident species in an insular context** Jobart Benoit, Payet J, Glenac S, Delatte H, Moquet L	Biological invasions on islands **P2-14. Coordinating the fight against invasive alien species: 8 years of operational planning in Reunion Island** Dievart Alexia, Schartz C, Bracco I, Amy E, Ardon B, Armand P, Caceres S, Lavergne C, Payet N, Lequette B, Manikom R, Rouget M, Salamolard M, Strasberg D, Triolo J	Biological invasions on islands **P2-15. Quantify invasion levels by alien plant species in La Réunion Island** Fenouillas Pauline, Amy E, Bracco I, Gosset M, Ingrassia F, Lavergne C, Lequette B, Notter JC, Pausé JM, Payet G, Payet N, Picot F, Poungavanon N, Strasberg D, Thomas H, Triolo J, Turquet V, Rouget M
Biological invasions on islands **P2-16. Biosecurity challenges and progress at the UNESCO site of Aldabra atoll, Seychelles** Quanz Christina, Cook L, Bunbury N, Appoo J, Sanchez C, Brice J, Fleischer-Dogley F	Biological invasions on islands **P2-17. Deciphering the invasive history of a bacterial crop pathogen in the Southern Indian Ocean islands: insights from historical herbarium specimens** Campos Paola , Groot Crego C, Boyer K, Gaudeul M, Baider C, Pruvost O, Gagnevin L, Becker N, Rieux A	Biological invasions on islands **P2-18. Rapid assessment of plant invasions in natural and semi-natural forest habitats in Grande Comore island** Ahmed Abdou Anziz, Rouget Mathieu, Boullet V, Flores O, Strasberg D

GENERAL PROGRAM - POSTERS

Tuesday, July 9 — Atrium

Biological invasions on islands **P2-19. Alien species on tourists' cloths as novel threats for island floras: Human-dispersed seeds survive and can disperse after laundry washing** Valkó Orsolya, Lukács K, Deák B, Kiss R, Miglécz T, Tóth K, Godó L, Sonkoly J, Radócz S, Kelemen A, Tóthmérész B	Biological invasions on islands **P2-20. History and impacts of the introduced smooth-billed ani Crotophaga ani in Galápagos** Cooke Sophia C, Fessl B	Biological invasions on islands **P2-21. Colonization and dispersal rate of two Trichoptera species in Iceland and the consequent exclusion of a Trichoptera species** Gislason Gisli Mar, Olafsson E
Biological invasions on islands **P2-22. Predicting future invasive non-native species across UK overseas territories ? global information effecting changes at a local level** Peyton Jodey M., Pescott O L., Cottier-Cook E, Adriaens T, Key J, Moore N, Rabitsch W, Tricarico E, Turvey K, Roy H	Interdisciplinary island studies **P2-23. Collaborative and effective whale conservation in the Western Indian Ocean through soft law** Sorby Stéphanie	Interdisciplinary island studies **P2-24. Homisland-IO: a homogeneous land cover over the small islands of the Indian Ocean** Révillion Christophe, Attoumane A, Tran A, Herbreteau V
Interdisciplinary island studies **P2-25. Teaching island biology, and now also, island sustainability** Roderick George, Stewart H, Davies N	Interdisciplinary island studies **P2-26. First mapping of water quality in Glorieuses archipelago : What monitoring strategies should be adopted?** Lelabousse Clement, Mangion P, Bigot L, Tunin-Ley A, Frouin P	Social sciences on islands **P2-27. Seabird-based tourism: a rising industry and new challenges for seabird islands** Thibault Martin, Philippe B, Sabinot C, Vidal E
Social sciences on islands **P2-28. The input of the Xth European Fund for Development (EFD) in capacity enforcement in Mayotte** Zwennis Nicolas	Social sciences on islands **P2-29. Ecological restoration of the tropical semi-dry forest in Réunion island: exploring dimensions of ecological awareness** Aabid Salwa	

GENERAL PROGRAM - POSTERS

Thursday, July 11 — Atrium

Biodiversity and Chemistry **P3-01. Acaricidal and insecticidal activities of plants among Reunion Island's flora** Dorla Emmanuelle, Grondin I, Hüe T, Clerc P, Deguine J-P, Bialecki A, Laurent P	Biodiversity and Chemistry **P3-02. Fast identification of bioactive compounds in Psiadia species by a 1H NMR-based metabolomic approach.** Mahadeo Keshika, Frédérich M, Kodja H, Clerc P, Soulange J, Jhaumeer Laulloo S, Thomas H, Bialecki A, Grondin I	Biodiversity and Chemistry **P3-03. A chemotaxonomic study of volatile compounds from 17 Psiadia species endemic to Reunion and Madagascar Islands** Razafindrabenja Lantomalala Elsa, Mahadeo K, Rasolondramanitra J, Grondin I, Bialecki A
Biodiversity and Chemistry **P3-04. Screening for Yeast Biodiversity from Reunion Island, Madagascar and South Africa. Selection for yeast strain with atypical aroma production and application to natural fruity beer production.** Tan Melissa, Grondin E, Shum Cheong Sing A, Caro Y, Raherimandimby M, Regnier T, Franjois J-M, Petit T	Biodiversity and Chemistry **P3-05. Medicinal plants from Reunion Island as promising source of natural antiviral substances against mosquito-borne flaviviruses** El Kalamouni Chaker, Clain E, Sinigaglia L, Koishi A, Nunes Dos Santos C, Guiraud P, Jouvenet N, Despres P	Biodiversity and Chemistry **P3-06. Exploration of natural colorants from Malagasy biodiversity, sources of natural products for the industries** Andriamanantena Mahery, Danthu P, Ethève A, Petit T, Caro Y
Community / Functional ecology **P3-07. Using joint species distribution models to understand species interactions in an indigenous insular woody flora** Wilding Nicholas, Strasberg D, Albert S, Flores O	Community / Functional ecology **P3-08. Functional traits of vascular plants on islands across spatial scales** Arruda Thalita, Kreft H	Community / Functional ecology **P3-09. Bird communities of the Mahavavy-Kinkony Wetland Complex, western Madagascar** Raherilalao Marie Jeanne, Rasoazanakolona J, Rakotomavo L A, Rahobilalaina S S, Rahariniaina M.J.E, Tsaradia J.N, Rabarisoa R
Community / Functional ecology **P3-10. Variability of hydration traits in the Ramalina decipiens group (Ramalinaceae, lichenized Ascomycota): towards unraveling their adaptive role** Blázquez Miguel, Gasulla F, Fernández-Marín B, Miedes E, García-Plazaola J-I, Pérez-Vargas I, Pérez-Ortega S	Community / Functional ecology **P3-11. Assessing the use of scientific floras as data sources for trait-based research in the Canary Islands** Cutts Vanessa, Hanz D, Barajas Barbosa M.P, Algar A, Steinbauer M, Irl S, Kreft H, Weigelt P, Fernandéz-Palacios J-M, Field R	Community / Functional ecology **P3-12. Intraspecific variability of functional and chemical leaf traits of the endemic Acacia heterophylla along three elevational soil gradients in Réunion island (Mascarenes)** Pierre-André Wagner, Flores O, Grondin I, Ah-Peng C
Community / Functional ecology **P3-13. An analysis of global trait spaces of birds on islands** Bastidas Urrutia Ana Maria, Hof C	Community / Functional ecology **P3-14. Assembly of plant functional diversity of an oceanic island flora** Barajas Barbosa Martha Paola, Weigelt P, Fernandez-Palacios J-M, Otto R, Kreft H	Community / Functional ecology **P3-15. Interplay between species richness and morphological niches in Papua New Guinea skinks** Slavenko Alex, Allison A, Meiri S
Palaeo-biology / palaeo-environments **P3-16. To what extent is the current spatial distribution of organisms shaped by past environmental dynamics?** Norder Sietze, Proios K, Whittaker R J, Alonso M. R, Borges P.A.V, Borregaard M, Cowie R H, Florens F.B.V, De Frias Martins A M, Ibáñez M, Kissling W D, De Nascimento L, Otto R, Parent CE, Rigal F, Warren BH, Fernandez-Palacios JM, Van Loon EE, Triantis K A , Rijsdijk K F	Palaeo-biology / palaeo-environments **P3-17. Paleoecological changes in Lake Funda (Flores Island, Azores): tracking human impacts in a remote island lake throughout the past millennium** Raposeiro Pedro, Raposeiro P, Pla-Rabes S, De Boer E, Rull V, Hernández A, Sáez A, Richter N, Amaral-Zettler L, Bao R, Giralt S, Gonjalves V	Palaeo-biology / palaeo-environments **P3-18. Reconstructing past vegetation cover on the Azores using pollen-based models** Connor Simon, Mariani M, Kunes P, Schaefer H, Van Leeuwen J, Van Der Knaap W, Lewis T, Porch N, Haberle S

GENERAL PROGRAM - POSTERS

Thursday, July 11 — Atrium

Restoration ecology / ecological restoration **P3-19. Impact of collecting seeds from black-and-white Ruffed lemurs feces on natural regeneration at Kianjavato forest fragments, SE Madagascar** Rakotomalala Zafimahery, Rafidimanana D	Restoration ecology / ecological restoration **P3-20. Reproductive biology of Phelsuma guentheri (Reptilia: Gekkonidae) and the effects of habitat restoration on Round Island, Mauritius** Roesch Markus A, Naujeer HB, Hansen DM, Cole NC	Restoration ecology / ecological restoration **P3-21. Providing knowledge about seed germination ecology to boost establishment success in revegetation projects: case study of Heteropogon contortus** Leperlier Cédric, Riviere J-NE, Allibert A, Dessauw D, Lacroix S, Fock-Bastide I
Restoration ecology / ecological restoration **P3-22. Invasive mammal eradication and seabird communities: Island recovery in the world's seabird biodiversity hotspot** Wails Christy, Borrelle S, Buxton R, Taylor G, Towns D, Jones H	Restoration ecology / ecological restoration **P3-23. Effects of habitat restoration on the seed dispersal ecosystem function in Seychelles** Costa Alba, Heleno R, Kaiser-Bunbury C	Restoration ecology / ecological restoration **P3-24. Let the problem become the solution: using cost-effective, holistic ecological and horticultural approaches to conserving St Helena's rare cloud forest ecosystem** Malan Lourens, Frohlich D
Restoration ecology / ecological restoration **P3-25. Monitoring an endemic thermophilus woodland reforestation in Tenerife, Canary Islands** Rota Francesco, Vidal-Rodriguez M, Chiarucci A, Fernandéz-Palacios J-M, Whittaker R	Restoration ecology / ecological restoration **P3-26. Natural recruitment of Scalesia pedunculata on Galápagos after control of invasive plants** Walentowitz Anna	Species interactions / networks / trophic ecology **P3-27. Experimental removal of dominant plants alters the diversity of a network of flower-visiting insects** Tighiouart Karim, Dianzinga N-T, Madeline L, Moutoussamy M-L, Nibouche S, Frago E
Species interactions / networks / trophic ecology **P3-28. Japanese wood pigeon as a potential inter-island seed disperser in Izu island chain in Japan, indicated by their diet and seasonal movement pattern.** Ando Haruko, Mori Y, Sato N- J	Species interactions / networks / trophic ecology **P3-29. Evolution of large flowers adapted to small pollinators in oceanic islands** Hiraiwa Masayoshi, Ushimaru A	Species interactions / networks / trophic ecology **P3-30. The relative role of frugivore pigeons as seed dispersers on oceanic islands: a key ecosystem function.** Romero Javier, Nogales M
Species interactions / networks / trophic ecology **P3-31. Frugivory and seed dispersal of endemic Malagasy baobabs after Megafauna extinction** Corduant-Andriantsaralaza Seheno	Species interactions / networks / trophic ecology **P3-32. Flowers visited by Rousettus madagascariensis (Chiroptera: Pteropodidae) in the Réserve Spéciale d'Ankarana, Madagascar** Vololona Judith, Goodman S M	

GENERAL PROGRAM - POSTERS

Friday, July 12 — Atrium

Ecology on islands **P4-01. Comparative study of the floral resources used by the native honeybee Apis mellifera unicolor Latreille by melissopalynological approach in 2 natural forest ecosystems of the South-West Indian Ocean islands: Ranomafana (Madagascar) and Mare Longue (Réunion)** Mampionona Rasoloarijao Tsiory, Clemencet J, Lebreton G, Ramavovololona P, Ramamonjisoa R, Delatte H	Ecology on islands **P4-02. When it's hot and dry, fig wasps easily die** Crisostomo Kei Gabrielle, Rrodriguez L. J	Ecology on islands **P4-03. Ecological release and the impact of urbanization on bird communities in mainland and island avifaunas in the Caribbean Basin** Zimmerman Jess K, Rivera Melendez J, Wunderle JM, Vazquez E
Ecology on islands **P4-04. Correlates of the distribution of microendemic species in New Caledonia** Caesar Maram, Pellens R	Ecology on islands **P4-05. Changes in plant and soil microbial diversity along gradients of land management in São Miguel (Azores)** Vieira Ângela F, Moura M, Silva L	Ecology on islands **P4-06. Dioecy on the Canary Islands. Sex-ratio and sexual dimorphism in laurel forest trees** Vidal-Rodríguez Mercedes, Torices R, Fernandéz-Palacios J-M
Ecology on islands **P4-07. Environmental heterogeneity as a driver of plant diversity on oceanic islands** Barajas Barbosa Martha Paola, Weigelt P, Borregaard M K, Keppel G, Kreft H	Ecology on islands **P4-08. Viral infection dynamics and diversity in two Reunion free-tailed bat colonies** Hoarau Axel, Joffrin L, Dietrich M, Mavingui P, Lebarbenchon C	Ecology on islands **P4-09. Vertical distribution of birds in different dry forest types of western Madagascar** Rajaonarivelo Jeanne Arline, Andrianarimisa A, Raherilalao M-J, Goodman S
Ecology on islands **P4-10. Analysis of the floristic diversity of the salt lake at Ngazidja (Comoros)** Kamaria Hassane, Abdillah Maoulida M, Ali T	Ecology on islands **P4-11. Mangrove ecology on an undisturbed atoll: diversity, structure and changes in extent over 30 years on Aldabra, Seychelles** Constance Annabelle, Bunbury N, Hansen D, Burt A, Walton R, Schaepman-Strub G	Evolution on islands **P4-12. Heritability and evolvability of morphological traits of the honeybee Apis mellifera in tropical islands from the Mascarene archipelago** Antoine Gaëlle, Clémencet J, Galataud J, Delatte H, Jourdan H
Evolution on islands **P4-13. A new multilocus phylogeny of the endemic Scincinae lizards of Madagascar reveals their biogeographic history and provides insight into their fossorial evolution** Crottini Angelica, Belluardo F, Cocca W, Muñoz-Pajares A. J, Andreone F	Evolution on islands **P4-14. Geographic variation in polyandry of the honeybee, Apis mellifera, in Madagascar and surrounding archipelagos (Mascarenes, Comoros).** Galataud Julien, Delatte Hélène , Simiand Christophe, Esnault Olivier , Clémencet Johanna	Evolution on islands **P4-15. Unraveling the role of habitat persistence in shaping population structure and demographic history across an island archipelago.** Meramveliotakis Emmanouil, Ortego J, Papadopoulou A
Evolution on islands **P4-16. Towards a methodological unification and theoretical synthesis in Island Biodiversity Genomics: the iBioGen consortium** Noguerales Víctor, Meramveliotakis E, Arribas P, Andújar C, Dimitriou A. C., Creedy T. J., Sfenthourakis S, Morlon H, Vogler A, Emerson Brent C. , Papadopoulou A	Evolution on islands **P4-17. Morphologically Diskinkt: Comparing Island Populations of Skinks in the Comoros Archipelago** Webster Kathleen	Evolution on islands **P4-18. Intra-island assembly of soil biodiversity: habitat filtering and microendemicity across space and habitats** Andújar Carmelo, Arribas P, López H, Emerson B

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Evolution on islands
P4-19. Species delimitation and morphological evolution in two New Caledonian endemic genera of Papilionoideae (Fabaceae)
Zalko Julie, Sarthou C, Vandrot H, Jabbour F

Evolution on islands
P4-20. Crossing the Speciation Threshold: Evolution in a Complex Archipelago
Ó Marcaigh Fionn, Kelly D, Karya A, Analuddin K, Marples N

Evolution on islands
P4-21. Evolution of pesticide resistance in invasive versus indigeneous agricultural pest species in an insular tropical environment
Taquet Alizée, Jourdan H, Barrčs B, Simiand C, Grondin M, Delatte H

Evolution on islands
P4-22. Diversity of aphyllous Vanilla species in the south-west Indian Ocean region: a challenge for orchid taxonomy, evolution and conservation research
Andriamihaja Cathucia, Ramarosandratana A.V, Grisoni M, Jeannoda V, Besse P

Evolution on islands
P4-23. Evolution of dioecism in Hawaiian Psychotria species
Watanabe Kenta, Williams A, Perlman S, Kishida W, Lorence D, Drake D

Evolution on islands
P4-24. The lichen flora of the MIOI (Madagascar and Indian Ocean Islands): results and perspectives
Sérusiaux Emmanuël, Magain N, Masson D, Simon A

Evolution on islands
P4-25. Genetic diversity associated with anagenesis and cladogenesis in Robinson Crusoe Island, Juan Fernández Archipelago (Chile), and its use in conservation strategies
López-Sepúlveda Patricio, Fuentes G, Takayama K, Peņailillo P, Stuessy , Tod F

Evolution on islands
P4-26. Endangered marriage: Ecological genomics predict climate vulnerability in a lichen symbiosis
Warshan Denis , Resl P, Werth S, Gudmundsson H, Jónsson ZO, Andrésson Ó S

Evolution on islands
P4-27. Independent phylogenetic origins of populations of the frog Mantidactylus ambreensis in the Montagne d'Ambre Massif, northern Madagascar
Rasolonjatovo Safidy Malala, Scherz MD, Glaw F, Rakotoarison A, Razafindraibe JH, Raselimanana A, Vences M

Evolution on islands
P4-28. Genetic traits affect the occurence and speed of island radiations - insights from an individual-based model
Ludwig Leidinger, Juliano Sarmento Cabral

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Ruelle Marcadet
Ruelle des Anges
Ruelle des Trois Couteaux
Ruelle Pavée
Rue Jacob
Rolland
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Rue d'Après
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Rue de Paris
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Quai Ouest
Rampes Ozoux
Rue du Pont
Rue de l'Abattoir
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Le Barachois
Boulevard Gabriel Macé
Rue de l'Artillerie
Rue de Nice
Rue Moulin à Vent
Rue de la Batterie
Hôtel Juliette Dodu
Rue Juliette Dodu
Rue Labourdonnais
Rue Alexis de Villeneuve
Hôtel Central
Rue Victor Mac Auliffe
Rue de la Compagnie
Rue Pasteur
Hôtel de Ville de Saint-Denis
Social dinner: Villa du Département
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