THE 10th INDO-PACIFIC FISH CONFERENCE

CRIOBE

Program

TAHITI - 2-6 October 2017

Ministère de l'Environnement, de l'Energie et de la Mer

École Pratique des Hautes Études

cnrs

UNIVERSITÉ PERPIGNAN

PSL RESEARCH UNIVERSITY PARIS

General presentation of the Indo-Pacific Fish Conference (IPFC)

The IPFC is an international conference held every four years, which has been attracting world–class scientists and delegates from around the globe since its inception in 1981. The Indo-Pacific is the largest marine biogeographic area on the planet, spanning an area from South-Africa to Mexico, and providing habitat for many thousands of species. **The 2017 Indo-Pacific Fish Conference will gather more than 450 scientists and stakeholders in ichthyology** (including elasmobranchs and teleost fishes) **from more than 30 countries**. For 33 years the conference has facilitated international collaboration among scientists and managers in the field of ichthyology in the Indo-Pacific. The 10th edition will focus on "*Biology, Traditional Skills and Management of Fish Stocks in the Indo-Pacific: What measures have to be taken to combat climate change?*"

Previous IPFC

IPFC1: Sydney, Australia (1981) / John Paxton & Doug Hoese, Australian Museum
IPFC2: Tokyo, Japan (1985) / Teruya Uyeno
IPFC3: Wellington, New Zealand (1989) / Peter Castle & Robert McDowall
IPFC4: Bangkok, Thailand (1993) / Supap Monkolprasit, Katersatat University
IPFC5: Noumea, New Caledonia (1997) / Bernard Seret, Institut de Recherche pour le Développement
IPFC6: Durban, South Africa(2001) / Lynnath Beckley, Oceanographic Research Institute, Durban
IPFC7: Taipei, Taiwan (2005) / Kwang-Tsao Shao, Academia Sinica
IPFC8: Fremantle, Australia (2008) / Neil Loneragan, Murdoch University
IPFC9: Okinawa, Japan (2013) / Keiichi Matsuura, National Museum of Nature and Science

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The IPFC10 Logo

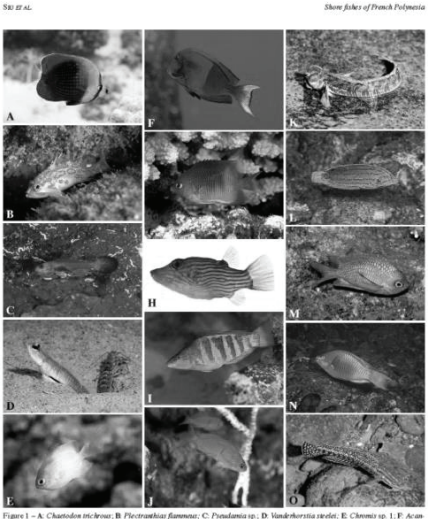
Te Mara, le Napoléon, the humphead wrasse (Cheilinus undulatus)

Taniera, a tattoo artist from Moorea Island, designed the 10th IPFC logo, inspired by Thomas Vignaud (CRIOBE) pictures. In the logo, man can see the four elements of the Polynesian Triangle: fire, the symbol of the Hawaiian islands, in the dorsal and pelvic fins (layers of lava); earth, the symbol of Society Island, on the pectoral fins; water, the symbol of New-Zealand, represented by the waves on the cheek; and wind, the symbol of Easter Island, is the complementary element of the water. The Marquesan cross can also be seen on the side of the fish. Man-kind is represented on the forehead, illustrated as being one with the fish.

Shore fishes of French Polynesia

by **Gilles Siu**, Philippe Bacchet, Giacomo Bernardi, Andrew J. Brooks, Jeremy Carlot, Romain Causse, Joachim Claudet, Éric Clua, Erwan Delrieu-Trottin, Benoit Espiau, Mireille Harmelin-Vivien, Philippe Keith, David Lecchini, Rakamaly Madi-Moussa, Valeriano Parravicini, Serge Planes, Cédric Ponsonnet, John E. Randall, Pierre Sasal, Marc Taquet, Jeffrey T. Williams & René Galzin, 2017. **Cybium, 41(3): 245-278.**

Abstract – On the occasion of the 10th Indo-Pacific Fish Conference (http://ipfc10.criobe.pf/) to be held in Tahiti in October 2017, it seemed timely to update Randall's 1985 list of the fishes known from French Polynesia. Many studies focusing on fishes in this area have been published since 1985, but Randall's list remains the authoritative source. Herein we present an expanded **species list of 1,301 fishes** now known to occur in French Polynesia, and we review the expeditions and information sources responsible for the over 60% increase in the number of known species since the publication of Randall's checklist in 1985. Our list of the fishes known from French Polynesia includes only those species with a reliably verifiable presence in these waters. In cases where there was any doubt about the identity of a species, or of the reliability of a reported sighting, the species was not included in our list.



SIU ET AL. Shore fishes of French Polynesia

Figure 1 – A. *Chaetodon trichrous*; B. *Plectranthias flammeus*; C. *Pseudanio* sp.; D. *Vanderhorstia wirleti*; E. *Chromis* sp. 1; F. *Acanthurus nigricans*; G. *Plectroglyphidodon flaviventris*; H. *Canthigaster criobe*; I. *Pseudolabrus tomiai*; J. *Pseudanthias hiva*; K. *Alticus simplicirna*; L. *Coris marquesensis*; M. *Chromis* sp. 2; N. *Scarus lopatus*; O. *Stiphodon elegans*.

aboard his sailboat *Nani* he reported a remarkable percentage of endemic fish species in the Marquesas. From 1966 to 1971, Randall continued to work and publish on fishes collected from other Polynesian islands and established a refer-

Cybium 2017, 41(3) 247

Publication can be downloaded on the IPFC website:
https://ipfc10.criobe.pf/shore-fishes-of-french-polynesia/

CONTENT

Dear scientific friends,

'Ia ora na

In our age of global changes, interest for fish diversity and abundance is significantly growing in our regions, especially in the light of the sustainable management of biological resources. I am delighted that island communities, who carry traditional knowledge, work hand in hand with scientists to respond together to this ecological emergency.

Since its inception in 1981, it is the first time that French Polynesia has the honor of hosting the Indo-Pacific Fish Conference (IPFC). This quadrennial event is indeed of major importance for us as Pacific islanders and more specifically Polynesians. With many cultural traditions, centered around fish and the trade of marine resources with other island nations, Polynesians are deeply reliant upon their marine resources for food and the persistence of their culture while continuing offering certain guarantees on their prospects for economic development.

It is also the first IPFC conference since the success of COP21 and this unprecedented turn of relations between Humankind and Nature. The Presidency of the COP21 admitted that the Polynesian Leaders Group (Samoa, Tokelau, Tuvalu, Tonga, Niue, Cook Islands and French Polynesia), by uniting through the PACT (Polynesia Against Climate Threats) of Taputapuatea, played a crucial role in the success of the Paris Agreement by being the "stewards of the Ocean" and the treasures it contains.

Among these treasures, fish are much more than a simple food source. They are the witnesses of how much Polynesia is inextricably linked to oceanic life. While 710 fish are referenced by scientific names, in the "Fish of French Polynesia Guide", those very same fish are called by 1410 vernacular Polynesians names according to gender, size and age! Despite this diversity, some of those fish share similar names in every corner of geographic Polynesia, a territory bigger than Europe or the United States.

In Polynesian countries, hooks are more than a common fishing tool. It is a symbol of strength, prosperity and luck. That is all I wish to each and every of the participants of the IPFC 2017.

Mauruuru,

Edouard Fritch
French Polynesia President

20 years after its fifth edition which was held in Noumea, the 10th International Indo-Pacific Fish Conference (IPFC) organized this year in Papeete, once again honors the French Pacific territories. It values their scientific potential around a subject of common interest for the Indo-Pacific countries and which is linked to economic and food safety issues : « Fish ».

Climate change becomes an additional threat to fish biology, ecology and stocks linked to the effects of fisheries underpinned by an ever-increasing demand. The increasing of ocean water temperatures is leading to some changes in species geographical distribution. It would also slow down fish growth and thus affects even more already disturbed foodchains. This threat is more acute in the intertropical belt and therefore of the Indo-Pacific warm waters.

In this context, I hope that the managers of Indo-Pacific will express their often recurring concerns. The IPFC give them an unique opportunity to take benefit of researchers coming from around the world to Papeete to point out the key knowledges they need to face their challenges. This would help to find innovative solutions to sustainable manage both fish stocks exploitation and conservation including their habitats. In this regard, it seems important to not forget research works done by the past and their accumulated data for years. With the traditionnal knowledge, this is a common heritage which needs to be more valued to better answer the recent and global scientific questions.

I wish you a good work and a good stay in French Polynesia !

René Bidal
High-Commissioner of the Republic in French Polynesia

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RÉPUBLIQUE FRANÇAISE

As President of the Ecole Pratique des Hautes Etudes (EPHE; https://www.ephe.fr/en), I am delighted that the Centre for Island Research and Environmental Observatory (CRIOBE) could organize the 10th Indo-Pacific Fish Conference, and I hope that you will enjoy your stay in Tahiti. The EPHE, established in the Sorbonne in 1868, is acknowledged as one of the most famous universities in France, where research is undertaken in life and earth sciences, historical and philological sciences, and religious studies. Since 2015, EPHE integrated with Paris Sciences et Lettres (PSL) Research University, which was founded on a two-fold conviction: first, that innovation and creativity are the only solutions to today's global challenges, and second, that major academic centers across the world will be instrumental in developing these solutions. The CRIOBE is one of the most important research centers at EPHE-PSL and in France.

Since 1971, the CRIOBE and the EPHE have been based in Moorea, French Polynesia. This year's IPFC is held in French Polynesia, a region characterized by its geographic isolation and its vast expanse of small islands and atolls. French Polynesia is a perfect case study for what similar island nations from around the Indo-Pacific are currently facing with respect to local and global change. More than 270,000 people live in French Polynesia and they depend on fish for food and for their livelihoods. French Polynesia has traditionally been a gathering place for representatives from around the Indo-Pacific to discuss important, timely topics affecting collective marine resources. Today, this tradition continues. Building on discussions and decisions made at the 2015 COP21 conference in Paris, we must continue to work together to discuss how we can further our understanding and our strategies to ensure the long-term health of Indo-Pacific fish resources in the face of global change. This is one of our major research themes developed at EPHE-PSL thanks to CRIOBE. To support this effort, I am delighted that the CRIOBE and its partners could offer several grants to students and researchers with a focus on island nations in the Indo-Pacific, in hopes of strengthening the Indo-Pacific science network and to help bridge the gap between 'big' countries (France, Europe, USA, China, Japan, Australia, New-Zealand, etc.) and island nations. Thus, the 10th IPFC will be an opportunity for all of you to gather, to share knowledge, to build new collaborations and to find new and innovative ways of managing and ensuring the long-term sustainability of the globally important fish stocks.

Sincerely yours,
President Hubert BOST, Ecole Pratique des Hautes Etudes

École Pratique
des Hautes Études

Dear IPFC participants,

The Institute of Ecology and Environment (INEE) of National Center for Scientific Research (CNRS) is proud that one of his research laboratory, CRIOBE, organizes the 10th Indo-Pacific Fish Conference. At the interface of social, earth and life sciences, the INEE has developed an integrative approach to environmental sciences that aims to promote global ecology at every scale of time and space. INEE is a fundamental research institute that combines research with action, and contributes to the advancement of knowledge for sustainable development. Thanks to the CRIOBE, INEE can develop the fundamental research on coral reef fish, with a special focus to understand the evolution of coral reef fish in the context of demographic and climate changes. This research thematic is particularly important for INEE and France. Indeed, France, with its 8 overseas territories, has 10% of coral reefs and 25% of atolls worldwide. As such, France has more coral reefs than most countries in the world, ranking 4th, behind Indonesia, Australia and the Philippines. The goals of the IPFC are perfectly aligned with our research priorities, as the conference seeks to advance the science and management of fish in the Indo-Pacific. The 10th IPFC will then be a great opportunity to reinforce the visibility of France and INEE in the Indo-Pacific.

I wish you an excellent and friendly IPFC workshop at Tahiti
Mme Stéphanie Thiebault, Directrice de l'INEE CNRS

cnrs

As Director of the CRIOBE (Centre for Island Research and Environmental Observatory), I am honoured to welcome you to the 10th Indo Pacific Fish Conference here in Tahiti, French Polynesia.

Since 1971, the CRIOBE has worked to advance coral reef science, in French Polynesia and around the world. The CRIOBE is comprised of nearly 70 staff members, including 30 research scientists from the National Center for Scientific Research (CNRS), the École Pratique des Hautes Études (EPHE) and the University of Perpignan. CRIOBE's activities span multiple disciplines, from ecology, genetics and chemistry, to social science and marine conservation. We are established leaders in education and communications, and we provide training for postgraduate students as well as for resource managers and local stakeholders tasked with managing their nation's reef resources (www.ircp.pf). The CRIOBE is a state-of-the-art research program, spread across two campuses – in Perpignan, France and in Moorea, French Polynesia. The CRIOBE research station in Moorea hosts more than 200 coral reef researchers and students annually and provides these scientists with the equipment, island location and access necessary to answer some of today's most important questions facing coral reefs.

Since 2011, the CRIOBE has managed France's Laboratory of Excellence 'CORAIL' which unites 9 institutions and 4 universities from France and it's overseas territories.
From 2016 to 2018, CRIOBE will provide scientific direction for the TARA Pacific, a 2-year research expedition which will travel more than 100,000 kilometers around the Pacific Ocean, on a mission to better understand the biodiversity of coral reefs and their evolution through time in response to climate change and human activities.

Hosting the IPFC10 is a wonderful opportunity for the CRIOBE to forge new partnerships and collaborations with some of the world's top researchers in coral reef science and management. It is my sincere hope that through this conference and in the years that follow, we will collectively advance the science, management and conservation efforts for coral reef fish here in French Polynesia, throughout the Indo-Pacific, and beyond.

Sincerely,
Serge Planes, Director of the CRIOBE

CRIOBE

The aims of the Société Française d'Ichtyologie (French Ichthyological Society – SFI) are to physically and morally group people interested in the development of fundamental and applied ichthyology; to represent the society and its members in the national and international instances; to promote and coordinate research in the SFI's field of competence; to ensure the link between the members and the diffusion of a specific scientific publication. In order to meet this latter point, the SFI has dedicated its efforts towards the Indo-Pacific Region, through field surveys, through the organisation of seminars and conferences, through the development of teaching and training for local conservation managers in the countries of the region. The SFI effectively promotes research to improve knowledge on the world's ichthyofauna in order to manage and protect it and it's environment, for the benefit of future generations. It was thus of major importance to the SFI to participate to the organisation of the 10th IPFC taking place in French Polynesia, as it was natural for the SFI to partake in the organisation of the 5th IPFC in New Caledonia in 1997. The SFI has thus contributed to the organisation of the 10th IPFC by awarding a 2500€ student grant and by proposing to publish the conference proceedings in Cybium, the international journal of ichthyology it created in 1977. I hope this conference will permit to gain an understanding of the rich biodiversity present in the Indo-Pacific region and to take conservation and management actions where needed.

Philippe Keith
President of the French Ichthyological Society



The Indo-Pacific Fish Conference (IPFC) began in 1981 as a one-off conference on fish systematics sponsored by the Australian Museum. Since IPFC II, it has included ecology as well as systematics of Indo-Pacific fishes, promoting good fish science and communication across the vast Indo-Pacific region. It is not a fisheries conference, as there are many such conferences. The IPFC series is rare in that it does not have a parent society, and the International Steering Committee, a small group of volunteers from across the Indo-Pacific keeps it alive in between the quad-annual conferences, when a local organizing committee takes over. The survival of IPFC for 36 years is testimony to the quality ensured by the hard work of these volunteers and local committees. If you want to help the IPFC to survive in the lead up to IPFC XI, please contact one of us. We are all fortunate that IPFC X is in the Society Islands, where our French and Polynesian colleagues are sure to put on a great conference.

International Steering Committee Executive
Jeff Leis, Keiichi Matsuura & Lynnath Beckley

Dear Colleagues,

I am delighted to welcome you to the 10th IPFC here in Tahiti. It is a great honor to host the 10th Indo-Pacific Fish Conference (IPFC - https://ipfc10.criobe.pf/). This international conference, which gathers hundreds of experts in ichthyology (including sharks, rays and teleost fishes) from around the world, takes place every four years, and is considered one of the best fish conferences in the world. In 1981, John Paxton and Doug Hoese, researchers from the Australian Museum in Sydney, organized the first Indo-Pacific Fish Conference in Australia. Since this time, the conference has facilitated international collaborations among scientists and managers in the field of ichthyology across the Indo-Pacific.

Because of the tremendous impact on today's marine and freshwater ecosystems from local and global threats, we chose a broad theme for this year's conference in Tahiti: "Biology, Traditional Skills and Management of Fish Stocks in the Indo-Pacific: What measures have to be taken to combat climate change?" During the 10th IPFC, we will explore this theme through the context of science, people, economy, and culture, and we will do this using an interdisciplinary approach. Nine major research themes have been identified by the IPFC's scientific committee: A/ Origin, Evolution, Taxonomy and Bio/Phylogeography of Indo-Pacific Fishes; B/ Fisheries and Aquaculture in Indo-Pacific; C/ Recent advances in the study of coral reef fishes; D/ Biology, Ecology, Ethology and Conservation of Sharks, Rays and Top-predators; E/ Freshwater, Diadromous, Cryptobenthic, Mesophotic and Deep-Sea Fishes, an essential knowledge to better manage the global biodiversity in the Indo-Pacific; F/ Fish facing local and global threats and potential solutions; G/ Long Term Monitoring in Indo-Pacific Fishes; H/ The future of fish and human interactions; I/ Other topics (e.g. Women in Marine Sciences; General session). The 10th IPFC, which will take place from October 2-6 2017 in Tahiti, will provide a platform for scientists and stakeholders from around the Indo-Pacific (469 participants & 34 countries) and beyond to gather, to share knowledge, to build new collaborations and to find new and innovative ways of managing and ensuring the long-term sustainability of these globally important fish stocks.

On behalf of the Scientific and Local Organizing Committees, I hope you will enjoy your time at the IPFC10 in Tahiti, which will feature 5 plenary lectures, 389 oral presentations, 20 flash talks, 40 posters and two evening events (Gala dinners and Events "Women in Marine Science"). Finally, I would like to acknowledge all of the public and private partners of the IPFC10 who have, through their generosity, provided more than 100 grants to students and researchers in support of their participation at the IPFC10.

I look forward to seeing you soon in beautiful Tahiti,
Best wishes

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Dr. David LECCHINI, Chairman IPFC10
Professor at Centre de Recherches Insulaires et Observatoire de l'Environnement (CRIOBE)
LABoratoire d'EXcellence CORAIL, USR 3278 CNRS – EPHE – UPVD, Paris Sciences et Lettres (PSL)
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Chair of the IPFC 10

Dr. David Lecchini, Professor at the EPHE-CRIOBE, Chairman of the 10th IPFC
Dr. Serge Planes, Director of the CRIOBE PSL-CNRS-EPHE-UPVD
Dr. René Galzin, Professor at the EPHE-CRIOBE
Gilles Siu, engineer at the EPHE-CRIOBE
Cécile Berthe, communication officer, CRIOBE

Organising Committee

Dr. Jean-Yves Meyer, Research delegate for French Polynesian Government, Tahiti
Dr. Neil Davis, Director of the Richard Gump Biological research station – University of California at Berkeley, Moorea
Dr. Marc Taquet, Director of Institut de Recherche pour le Développement (IRD), Tahiti
Prof. Pierre Mery, Moorea
Dr. Pierre Labrosse, Research and Technology delegate, French High-Commission in French Polynesia, Tahiti
Moana Maamaatuaiahutapu, in charge of R&D programs in aquaculture, hatchery and technology transfer. Direction des Ressources Marines et Minières (DRMM), Tahiti
Dr. Benoit Beliaeff, Director of IFREMER Pacific, Tahiti
Dr. Patrick Capolsini, President of the University of French Polynesia (UPF), Tahiti
Tiare Penilla Y Perella, communication officer. Direction des Ressources Marines et Minières (DRMM), Tahiti
Gilles Siu, engineer at the Centre de Recherche Insulaire et Observatoire de l'Environnement (CRIOBE), Moorea
Dr. Pascal Ramounet, Director of the Institut Louis Malardé (ILM), Tahiti
Prof. Philippe Keith, Museum National d'Histoire Naturelle (MNHN), Paris

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Scientific Committee

Dr. David R Bellwood, James Cook University, Australia
Dr. Giacomo Bernardi, University of California Santa Cruz, USA
Dr. Culum Brown, Macquarie University, Australia
Dr. Mireille Chinain, Institut Louis Malardé, Tahiti, French Polynesia
Dr. Gerry Clos, University of Otago, New Zealand
Dr. Geoffrey P. Jones, College of Science & Engineering/ ARC Centre of Excellence for Coral Reef Studies, James Cook University, Australia
Dr. Tim Langlois, University of Western Australia, Australia
Dr. Keiichi Matsuura, National Museum of Nature and Science, Japan
Dr. Marc Metian, International Atomic Energy Agency - Environnent Laboratoires, Monaco
Dr. Valeriano Parravicini, CRIOBE USR 3278 CNRS-EPHE-UPVD, France
Dr. Luiz A. Rocha, California Academy of Sciences, San Francisco, USA
Dr. Pierre Sasal, CRIOBE USR 3278 CNRS-EPHE-UPVD, Moorea, French Polynesia
Dr. Marc Taquet, Institut de Recherche pour le Développement (IRD), Tahiti

CRIOBE/ Centre for Island Research and Environmental Observatory

The CRIOBE is one of France's pre-eminent laboratories for the study of coral reef ecosystems and their conservation.

The CRIOBE is a research laboratory with more than 70 staff, including 30 researchers from the National Centre for Scientific Research (CNRS), the École Pratique des Hautes Études (EPHE) and the University of Perpignan. CRIOBE's activities span multiple disciplines: ecology, conservation biology, genetics, chemistry and anthropology. CRIOBE's laboratories are spread across two main campuses: the University of Perpignan in the south of France and the CRIOBE research station located on the island of Moorea, French Polynesia, which hosts nearly 200 coral reef scientists and students annually.

In addition to its research activities, the CRIOBE offers graduate degrees at both the Masters and Doctorate level through the EPHE and the University of Perpignan. Since 2011, the CRIOBE has managed the Laboratory of Excellence 'CORAIL' which unites 9 institutions and 4 universities from France and its overseas territories.

http://criobe.pf/

Schedule of IPFC 2017, 01nd to 07th October 2017

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Morning		**8am-10am** Welcome party	**8am-9am** Plenary talk	**8am-11am:** IPFC for Kids	**8am-9am** Plenary talk	**8am-9am** Plenary talk	Excursion day
			9am-10am Scientific Sessions		**9am-10am** Scientific Sessions	**9am-10am** Scientific Sessions	
		10am-10:45am VIP Coffee Break	**10am-10:15am** Coffee Break[1]		**10am-10:15am** Coffee Break[1]	**10am-10:15am** Coffee Break[1]	
		10:45am-12am Scientific Sessions	**10:15am-12am** Scientific Sessions	**10am-12am** ISC committee	**10:15am-12am** Scientific Sessions	**10:15am-12am** Scientific Sessions	
12am-1pm		Lunch	Lunch		Lunch	Lunch	
Afternoon	**2pm-6pm** Registration at the Mayor House of Papeete	**1pm-3pm** Scientific Sessions	**1pm-3pm** Scientific Sessions	**1pm-3pm** Scientific Sessions & Flash Talks	**1pm-3pm** Scientific Sessions	**1pm-3pm** Scientific Sessions	
		3pm-3:15pm Coffee Break[1]	**3pm-3:15pm** Coffee Break[1]	**3pm-3:15pm** Coffee Break[1]	**3pm-3:15pm** Coffee Break[1]	**3pm-5pm** Closing Ceremony	
		3:15pm-4:30pm Scientific Sessions	**3:15pm-5:30pm** Scientific Sessions	**3:15pm-4:30pm** Scientific Sessions & Posters	**3:15pm-4:30pm** Scientific Sessions		
Evening			**5:30pm-8pm** Women In Marine Science Private Event[2]	**7pm-9pm** Public lectures	**7pm-10pm** Gala Dinner		

[1]Coffee Break will last 45 minutes, 15 minutes without presentation running in parallel (morning=9:45am-10:30am, afternoon=2:45pm-3:30pm)

[2]Women in Science private event at WAN Pearl Museum: Attendance is by invitation only. Participants to this event have the WAN logo on their badge.

	Scientific sessions
	Registration, breaks or animations
	Side Events

IPFC10 SESSIONS

Thematic A: Origin, Evolution, Taxonomy and Bio/Phylogeography of Indo-Pacific Fishes
A1/ Werner W. Schwarzhans, Alexei M. Orlov, Matt Friedman & Marcelo R. de Carvalho: *Evolution and biology of 'primitive' and fossil fishes*
A2/ Michelle R. Gaither, Joseph DiBattista, Brant Faircloth, Prosanta Chakrabarty, Giacomo Bernardi & Brian Bowen: *Genes to Genomes: Forging ahead in the study of marine evolution*
A3/ Eric J. Hilton, Zeehan Jaafar, Hiroyuki Motomura, Helen Larson & Nalani Schnell: *Integrative approaches in understanding fish diversity: Morphology, Systematics, and Taxonomy*
A4/ O. Selma Klanten, Valeriano Parravicini, Eric A. Treml, Fabien Leprieur & Cynthia Riginos: *Bio/Phylo-geographical patterns and processes in Indo-Pacific coral reef fishes: Towards multi-disciplinary and comparative approaches*
A5/ Bettina Reichenbacher, Lukas Rüber & Frank Pezold: *Ecology & Evolution of Gobies*

Thematic B: Fisheries and Aquaculture in Indo-Pacific
B1/ Nick Graham & Aaron MacNeil: *Sustainable pathways in reef fisheries: Maintaining catches and ecosystem functioning*
B2/ Austin Humphries, Daniel Pauly & Jérôme Petit, Gabby Ahmadia & Nils Krueck: *Marine Reserves as Tools for Ecosystem-Based Fisheries Management in the Indo-Pacific*
B3/ Denis Covès, Moana Maamaatuaiahutapu & Myriam Callier: *Aquaculture of native marine and estuarian Indo-Pacific finfish. Integration of ecological and biological knowledge on wild species and populations, interactions with environment and local fisheries*

Thematic C: Recent advances in the study of coral reef fishes
C1/ David R Bellwood, Chris HR Goatley & Deron Burkepile: *The role of fishes on coral reefs*
C2/ Eric Parmentier & Ilan Karplus: *Symbiosis in Fishes*
C3/ João Pedro Barreiros & Jérémie Viviani: *Fish trophic chains in the Indo-Pacific*
C4/ Steve Simpson, Frédéric Bertucci, Craig Radford & Miles Parsons: *Acoustic Ecology of Indo-Pacific Fishes*
C5/ Culum Brown & Johann Mourier: *Biotelemetry*
C6/ Vanessa Robitzch, Ricardo Beldade, May B. Roberts, Michael L. Berumen, Geoff Jones & Simon Thorrold: *Connectivity and Dispersal in the Indo-Pacific*
C7/ Marc Besson, Jack O'Connor, William Feeney & Rohan Brooker: *Larval recruitment in marine and freshwater fishes: Current issues and future directions*

Thematic D: Biology, Ecology, Ethology and Conservation of Sharks, Rays and Top-predators
D1/ Gavin Naylor & David Ebert: *Biology, Ecology, Evolution and Conservation of Chondrichthyan fishes*
D2/ Andrew Chin, Johann Mourier, Vanessa Jaiteh & Yannis Papastamatiou: *Indo-Pacific Predators: Biology, Ecology, Conservation and Management*

Thematic E: Freshwater, Diadromous, Cryptobenthic, Mesophotic and Deep-Sea Fishes, an essential knowledge to better manage the global biodiversity in the Indo-Pacific

E1/ Eric Feunteun & Philippe Keith: *Diadromous fish and leptocephali of the Indo Pacific: Biogeography, ecology and conservation*

E2/ Simon Brandl, Jordan Casey, Darren Coker, Kevin Conway, Martial Depczynski, Christopher Goatley & Luke Tornabene: Cryptobenthic fishes: ecology and evolution of the smallest marine vertebrates

E3/ Luiz A. Rocha, Hudson Pinhero, Randall K. Kosaki & Joshua M. Copus: *Fishes of Mesophotic Coral Ecosystems in the Indo-Pacific*

E4/ Marcelo Melo, Tracey Sutton, Christopher Kenaley & John Paxton: *Biology and Evolution of deep-sea fishes*

Thematic F: Fish facing local and global threats and potential solutions

F1/ Chris Fulton, Shaun Wilson & Charlotte Berkström: *Causes and consequences of change for macroalgae-associated fishes*

F2/ Ivan Nagelkerken, Philip Munday, Colin Brauner & Marc Metian: *Climate change and high CO2 effects on fishes: Moving from individual to community level effects*

F3/ Jennifer Donelson, Suzanne Mills, Celia Schunter, Rebecca Fox, Rui Oliveira, Timothy Ravasi, Juan Diego Gaitan-Espitia, Mark McCormick, William Gladstone & Rui Rosa: *Phenotypic plasticity and adaptation to anthropogenic environmental changes*

F4/ Jodie Rummer, Shaun Killen & Björn Illing: *Conservation physiology of Indo-Pacific fishes: Facing problems and finding solutions*

Thematic G: Long Term Monitoring in Indo-Pacific Fishes

G1/ Andrew J. Brooks; Gilles Siu; Jeffrey Shima; Adrian Stier & Alistair Cheal: *Moving Forward by Looking Back: The Use of Time Series and Monitoring Data in Fish Ecology*

Thematic H: The future of fish and human interactions

H1/ Dominique Pelletier, Mahé Charles, Tamatoa Bambridge, Fraser Hartley, Onyx Le Bihan, Pauline Fabre, Pedro Pereira, Ewen Morin: *Management of coral reef' social-ecological systems: tools for engaging the public, scientists and practitioners in an ecologically and culturally rich environment*

H2/ Charlie Huveneers, Eric Clua, Lauren Meyer, Kirin Apps, Douglas Seifert, Elena Salim Haubold, Rick MacPherson & Ian Campbell: *The status and opportunities of marine wildlife tourism: Developing a multi-disciplinary framework to assess and manage the effects of tourism on marine species*

H3/ Mireille Chinain, Susanna Piovano, Jean Turquet & Marie-Yasmine Dechraoui-Bottein: *Ciguatera fish poisoning in the Indo-Pacific region: incidence, toxin dynamics, impacts on socio-ecosystems, and risk management*

Thematic I: Women in Science and General session

I1/ Jodie Rummer & Cécile Berthe: *Women in Marine Sciences in the Indo-Pacific*

I2/ Keiichi Matsuura, Hugo Jacob, Marc Besson & Gerard Closs: *General session about systematic, taxonomy, biology and ecology of fish*

Plenary Talks

The Plenary talks will be given on Tuesday, Thursday and Friday morning, from 8am to 9am, in the Big Theater at the Conference venue.

- **Valeriano Parravicini,** CRIOBE: *Functional biogeography of reef fishes*
- **Daniel Pauly,** University of British Columbia: *Major Trends in Fisheries: where they lead to and how we turn them around*
- **Gerard Closs**, University of Otago: *Larvae and Landscape: Life history, migration and dispersal in diadromous fish*

The abstracts are available on the IPFC website: https://ipfc10.criobe.pf/program/plenary-session/

Bleeker Awards

Since 2005, the Indo-Pacific Fish Conference (IPFC) has had the privilege of presenting the Bleeker Award, an award that honours individuals who have made significant contributions to the field of ichthyology in the Indo-Pacific. The award honours the memory of Pieter Bleeker, the late father of Indo-Pacific Ichthyology. Previous recipients of the award include John E Randall, and J Howard Choat in 2005 (pictures on the left), followed by Peter Sale and Bill Eschmeyer in 2009, and Gerald Allen and Jeff Leis in 2013.

- **David Bellwood**, James Cook University: Ecology / *Why fishes matter*
- **Keiichi Matsuura**, National Museum of Nature and Science: Systematic / *The Kuroshio Current, an invisible barrier to shallow-water fishes of southern Japan*

Their abstracts are available on the IPFC website : https://ipfc10.criobe.pf/program/plenary-session/
Thanks to our partners Air Tahiti Nui and InterContinental Tahiti Resort & Spa, nominees will attend the 10th IPFC and will be presented with the Bleeker Award on Friday, 6 October 2017 in the afternoon at the conference venue (Te Fare Tahuiti Nui), Papeete, Tahiti.

Proceedings / CYBIUM (https://ipfc10.criobe.pf/program/call-for-papers/)

On behalf of the French Society of Ichthyology, the participants of the Tahiti IPFC10 could publish their research in a regular issue of the Cybium: International Journal of Ichthyology. The IPFC10 organization committee decided to allow review articles (any topics up to 15 printed pages), regular manuscripts (up to 8 printed pages) or short notes (up to 4 printed pages) submitted by either researchers or students to consider for publication. Only one submission as first author is possible per participant. Published articles will be free of charges.

Contact: Dr Jean-Yves Sire (Editor): jean-yves.sire@upmc.fr
Instruction to authors can be downloaded on the IPFC website.
https://ipfc10.criobe.pf/program/call-for-papers/

IPFC10 Grants

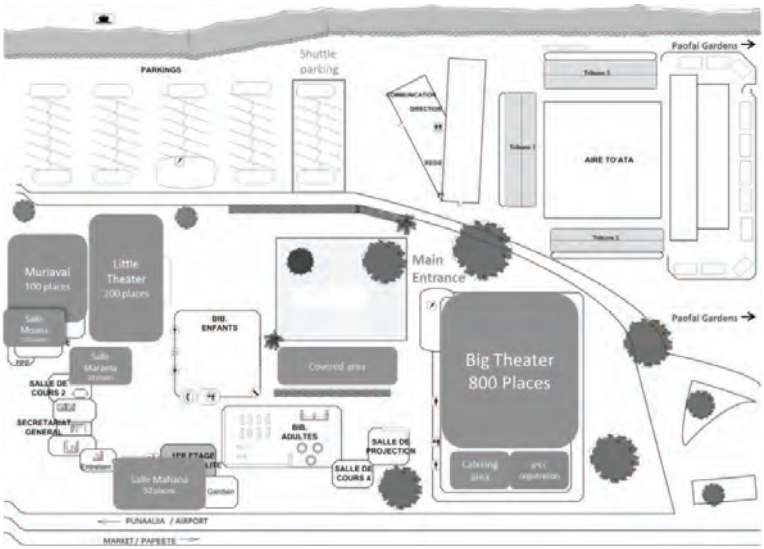
Thanks to partnerships with the International Atomic Energy Agency, the Pacific Cooperative Fund for Economics, Society and Culture (Fonds Pacifique), the French Society for Ichthyology, the Australian Society For Fish Biology and the Oceania Chondrichthyan Society, more than 100 grants were available to help support participation at the IPFC Tahiti, October 2017.

- **Grant 1:** Improve stewardship and human well-being of communal resources in coral reef social-ecological systems: Linking hybrid governance and social-ecological resilience in a changing world
- **Grant 2:** Sustainable use of fish for animal-based ecotourism in the Indo-Pacific: How to reinforce mutual benefits?
- **Grant 3:** Ciguatera fish poisoning in the Indo-Pacific region: incidence, toxin dynamics, impacts on socio-ecosystems, and risk management
- **Grant 4:** This grant is open to those with a focus on life histories of marine, diadromous and freshwater fish in the Indian Ocean
- **Grant 5:** Women in Marine Sciences in the Indo-Pacific
- **Grant 6:** High CO2 effects on fishes
- **Grant 7:** Free accommodation for students
- **Grant 8:** Oceania Chondrichthyan Society grant

Maison de la Culture TFTN- Papeete (https://www.maisondelaculture.pf/)

The Venue for the IPFC10 is the Cultural Centre of Papeete, te Fare Tauhiti Nui, 646 Boulevard de la Reine Pōmare IV, Papeete / 98716, Polynésie française. It is 5 km (3.1 mi) away from the Faa'a International Airport

The Cultural Centre of Papeete (TFTN) has **one big theater (800 places), one little theater (200 places), one large room Muriavai (100 places), one medium room Mahana (60 places) and two small rooms Moana and Marama**. The talks will be conducted in four rooms: big theater, little theater, Muriavai and Mahana. The rooms Moana and Marama are available from 8am to 12am for meeting.

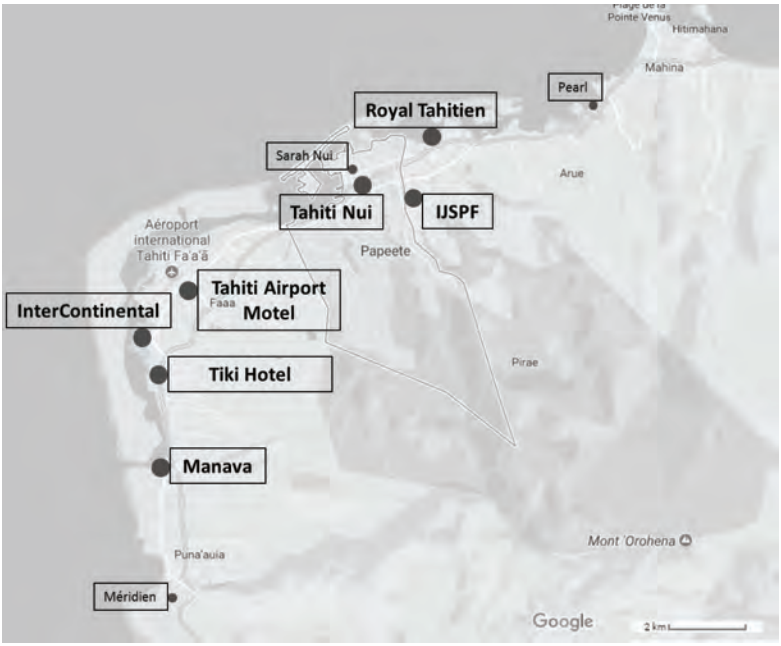


Shuttles

Shuttles are organised every day of the conference (2 to 6 October). Pick-up at the Hotels will be done every morning between 6am and 7am. Pick-up at the Venue will be done every evening between 5pm and 6pm. The shuttle schedule will be added to the website and sent to each participant before the beginning of the conference.

The «bus stops» are:

- **On the West coast:** the Manava, the Tiki hotel, the Intercontinental and the Tahiti Airport Motel
- **On the East coast:** the Royal Tahitien and the Tahiti Nui Hotel
- **One shuttle is dedicated to the Youth Institute (IJSPF).**



The Méridien, Sarah Nui and Pearl Hotels are located on this map for information purposes only. They are neither partner hotels nor bus stop.

Registration and Information

A pre-registration desk will be open from 2pm to 6pm on October 1 at the Fare Potee of the Mayor House of Papeete (see Map below), which is located near the conference venue. The participants who attend this Welcome Reception will receive their conference bag containing the IPFC program book, their badge and other items.

The IPFC registration and information desk is located in the Hall, next to the big theater from 2 to 6 October 2017 and will be open every day from 8am to 4pm. Participants will receive their conference bag containing the IPFC program book, their badge and other items.

T-shirts

T-shirts are available for purchase or pickup (if you already paid) at the registration and information desk.

Wireless Internet Service

Wireless internet is available in and around the big theater.
Wifi name: SSID IPFC
Password: session2017

Name Badges

Participants are requested to wear their name badges during the conference and all excursions (with the exception of when you are diving!). The Organising Committee reserves the right to refuse entry to any participant without a proper name badge.

Dress

Dress code during the IPFC10 including the Welcome Reception is smart casual. Flip-flops are accepted!!

Guideline for Presentations

Oral Presentations

Talks are scheduled in 15-minutes time slots. We strongly encourage a presentation of no more than 10 / 12 minutes to allow 3/5 minutes for questions. The time limit will be strictly enforced to facilitate movement between sessions. A single screen is set up in each conference room. The Organising Committee would appreciate it, if you could kindly provide your presenting material saved on a USB device to staff members at the registration desk at least 12 hours before your presentation. A Windows laptop computer (PC) will be set up in each conference room. It is strongly recommended that presentations are given using PowerPoint rather than other software.

1. Format for presentations: Powerpoint (.ppt or .pptx)
2. Recommended video format for Windows-based presentations: Windows Media Video (.wmv)
3. Audio Formats: MPEG3 (.mp3), Windows Audio File (.wav), Windows Media Audio (.wma). iTunes based files will not work.
4. **All oral presentations will need to be submitted to the IPFC staff members at least 12 hours before your presentation at the registration desk.**
5. You may NOT use your own Macintosh or PC.
6. Dedicated internet access will not be available in the session rooms.
7. The file name(s) of your presentation should follow the examples below:

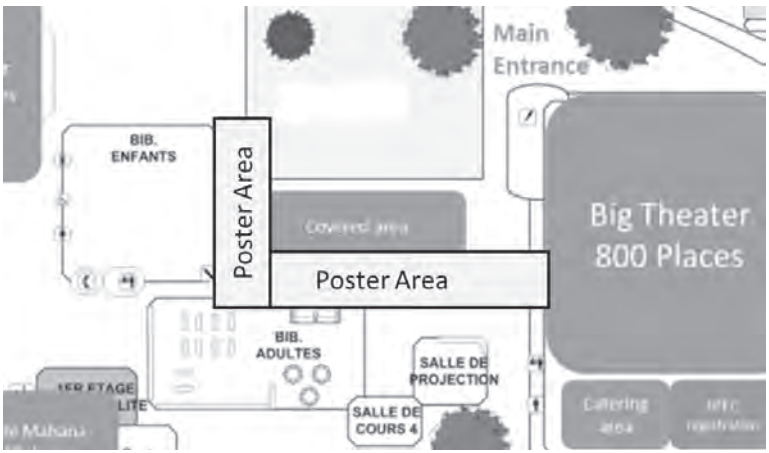
- SA_2AM1_Lecchini (=last name of first author): presentation in Session A in the morning before coffee break on 2 October.
- SA_2AM2_Lecchini (=last name of first author): presentation in Session A in the morning after coffee break on 2 October.
- SC_2PM2_Lecchini (=last name of first author): presentation in Session C in the afternoon after the coffee break on 2 October.

Each meeting room will have a projector, screen, laptop computer, audio, lectern, hardwired lectern microphone and a laser pointer. Once the presentation begins, you can control your presentation with the pointer.

Poster Presentations

Posters will be displayed Wednesday 4th October at the Cultural Centre of Papeete (conference venue). The posters must be no larger than 90 cm wide and 180 cm high (recommended size: less than 85 cm wide and 120 cm high – It is difficult for participants to read the bottom part of very large posters). If your poster exceeds these specifications, it may be subject to removal. Posters need to have four metal eyelets (in each corner). As they may be exposed in an outdoor location, we advise to choose an outdoor resistant material (anti-UV and/or waterproof).

The poster areas
The poster areas will be located between the big theater and the kids library (see map below). All posters should be set up in this area on Monday, following the session panels. The poster session is planned on Wednesday afternoon.



Flash talks
Flash talks will be displayed on Wednesday 4th October at the Cultural Centre (conference venue). Each speaker will have a maximum of 4 slides and exactly 3 minutes to present their research. The flash talk will be on the same research theme as the poster. The moderators will ensure that all presenters adhere strictly to the program schedule. A flash talk is a challenge in which you have just three minutes to present a scientific concept or idea in an accessible manner. In those three minutes, your aim is to inspire the listener and help them to learn about the area of science that you are presenting. So, you need to be clear, concise and charismatic; and to articulate a topic in a quick, insightful, and clear manner.

Coffee Breaks and Lunch

Coffee, tea and soft drinks are provided free in assigned spaces. Lunches are provided to all participants of the IPFC. You can have your lunch in the Venue or take it with you out of the Venue. There is a reserved space, the Fare Pote'e Toata, in the Paofai Gardens, 5min walk to the Venue, where you will find tables and chairs (see Map below).
There is a one-hour lunch break, from 12pm to 1pm. Participants are requested to adhere to this schedule.
Coffee breaks will last 15 minutes without presentation running in parallel, but the coffee break area will remain open for 45 minutes.

WARNING: Smoking, eating and drinking are not allowed in any room of the Venue.

ATM locations around the Cultural centre of Papeete.

Around the IPFC 10

Tuesday Evening – WAN PRIVATE EVENT

The "Women in marine sciences" private evening at the Pearl Museum will be held on October 3, 2017, from 5:30pm to 8pm. Thanks to our partner Robert WAN (http://www.robertwan.com/fr/), we are pleased to invite 200 people to attend this special event, during which participants will be able to visit the museum, have a drink and discover the WAN pearl collection. A special discount on pearls of 15% will be given for the event. Guests attending this event will have the WAN Logo on their badge.

Wednesday morning – IPFC for Children

From 8am to 11am, 400 children will be welcomed at the venue during the morning. They will have the opportunity to participate in workshops dedicated to the protection of the Coral Reef Ecosystems.

Wednesday evening – IPFC for All

From 7pm-to 9pm, three public lectures will be held in the big theater of the Venue.

1/ *Le monde du silence: la fin d'un mythe* – by Eric Parmentier, Univ. Liège & Criobe
   7pm-07:35pm: Talk
   7:35pm/07:50pm: Discussion with the audience

2/ *La pollution sonore dans l'eau et sur Terre - La voiture électrique* – by Laurent Mallet (Renault)
   7:55pm/08:10pm: talk + Questions

3/ *L'évolution de la pêche dans le monde: quel futur et quelles améliorations possibles ?* – by Daniel Pauly, Institute for the Oceans and Fisheries & Department of Zoology, Canada
   08:10pm/08:45pm: Talk
   08:45pm/9pm: Discussion with the audience

Excursions - Saturday October 4, 2017

There are three scientific field excursions planned for the Saturday:

1.**Tahiti Iti tour**, limited to 80 participants
2.**Moorea tour**, limited to 80 participants
3.**Tetiaroa tour**, limited to 50 participants

All excursion participants can catch the IPFC shuttle in front of their hotel if they are staying at a partner hotel. Registrations should be made on the IPFC website (https://ipfc.criobe.pf).

Saturday October 7, 2017 - 8:30am to 12:00am - PEW/CESC Event
Public conference in the margin of the IPFC, entitled "*The issues of ocean conservation*»
The Economic, social and cultural council of French Polynesia (CESC), the Pew Charitable Trusts, the Federation of the Polynesian Environmental Associations (FAPE) - Te Ora Naho and the CRIOBE are organiszing a public conference on the protection of the oceans on the margins of the Indo Pacific Fish Conference IPFC.

8:45am: Opening: Representative of the Government of French Polynesia
9:00am: Daniel Pauly - Marine protected areas are natural responses to fisheries expansion
9:30am: Marc Atiu - Opportunity of fishery development and marine resources conservation in French Polynesia
10:00am: Kristina Boerder - Feedback on the benefits of the large-scale marine protected areas for the conservation of migratory pelagic species and fisheries: the example of the marines reserves of Phoenix Islands (Kiribati), Palau, Papahanaumokuakea (Hawaï) and the Pacific Remote Islands Marine National Monument (Hawaï)
10:30am: Coffee break
11:00am: Tihoti Tanepau - Participative, pedagogical and cultural approach for the creation of a large marine protected area: the Austral island marine reserve project - Rāhui Nui nō Tuha'a Pae
11:30am: Winiki Sage - Cultural aspects of the protection of the oceans and calls of the Polynesian civil society.
12h: Standing meal

Another eye on Papeete
For tourism related information, please visite the website of IPFC partner, Tahiti Tourisme, at http://www.tahiti-tourisme.fr/

Here we present you a different look on Papeete by visiting those particular places:

- Street art museum and its giant pictures in the Town
  https://www.facebook.com/onou2014/
- Prokop and the graved nacre mother of Pearl
  https://www.facebook.com/atelier.prokop.tahiti
- Galerie des tropiques
  https://www.facebook.com/GalerieDesTropiquesTahiti/
- The Pearl Museum
  Robert WAN
  (http://www.robertwan.com/fr/)

Scientific Program

The IPFC10 book of abstracts can be downloaded on the website.
https://ipfc10.criobe.pf/

Sunday, October 1, 2017

TIME	EVENT
14:00 - 18:00	Registration - Registration and welcome drink at the Mayor House of Papeete

Monday, October 2, 2017

TIME	EVENT
08:00 - 10:00	Official opening ceremony (Big Theater) - David Lecchini
10:00 - 10:45	Coffee break
10:45 - 12:00	A2/ Genes to Genomes: Forging ahead in the study of marine evolution (Big Theater)
10:45 - 11:00	› Genomics of habitat choice and adaptive evolution in the deep sea - *Michelle Gaither, Hawaii Institute of Marine Biology, Durham University*
11:00 - 11:15	› Genomic signatures of parallel selection in surfperches (Embiotocidae) - *Giacomo Bernardi, University of California Santa Cruz*
11:15 - 11:30	› Evolutionary history of endemic coral reef fish species of Rapa Nui - *Erwan Delrieu-Trottin, Instituto de Ciencias Ambientales y Evolutivas*
11:30 - 11:45	› Hybridisation between sympatric species of coral reef fish - *Samuel Payet, James Cook University*
11:45 - 12:00	› Through a liquid glass to the eye of the beholder: Visual ecology of coral reef fishes isolated by the Isthmus of Panama - *Michele Pierotti, Smithsonian Tropical Research Institute*
10:45 - 12:00	B1/ Sustainable pathways in reef fisheries: Maintaining catches and ecosystem functioning (Little theater)
10:45 - 11:00	› The functional backstop of reef fisheries conservation - *Aaron MacNeil, Dalhousie University*
11:00 - 11:15	› Fundamental drivers of reef fish growth - *Renato Morais, College of Science and Engineering, James Cook University, ARC Centre of Excellence for Coral Reef Studies*
11:15 - 11:30	› A vulnerability-based approach to promote synergies in the management of small-scale fisheries - *Lauric Thiault, Centre de recherches insulaires et observatoire de l'environnement*
11:30 - 11:45	› Fish nurseries: how context drives the functional value of habitats for reef and coastal fishes. - *Michael Bradley, James Cook University*
11:45 - 12:00	› Herbivorous fishes respond to changes in fishing gear but not to spatial management in an Indonesian national park - *Sonia Bejarano, Leibniz Center for Tropical Marine Research*
10:45 - 12:00	E2/ Cryptobenthic fishes: Ecology and evolution of the smallest marine vertebrates (Room Muriavai)
10:45 - 11:00	› Cryptobenthic fishes: the final frontier of vertebrate biodiversity on coral reefs - *Simon Brandl, Smithsonian Environmental Research Center*
11:00 - 11:15	› Not just a flat face: the underappreciated role of blennies on coral reefs - *Zoe Loffler, ARC Centre of Excellence for Coral Reef Studies*
11:15 - 11:30	› Coral-Gobies as a Model System for Understanding the Evolution and Maintenance of Sociality - *Marian Wong, Faculty of Science, Medicine and Health [University of Wollongong]*
11:30 - 11:45	› Microhabitat association of cryptobenthic gobies (family Gobiidae) in the Central Red Sea - *Emily Troyer, King Abdullah University of Science and Technology*
11:45 - 12:00	› Spatial patterns of cryptobenthic coral reef fishes in the Red Sea - *Darren Coker, King Abdullah University of Science and Technology*
10:45 - 12:00	G1/ Moving Forward by Looking Back: The Use of Time Series and Monitoring Data in Fish Ecology (Room Mahana)
10:45 - 11:00	› Status and trends of reef fishes of the Pacific - *Charlotte Moritz, Centre de recherches insulaires et observatoire de l'environnement*
11:00 - 11:15	› Long-term changes of the coral reef community in the WAKATOBI marine national park, south-east Sulawesi, Indonesia - *Adam Gouraguine, University of Essex*
11:15 - 11:30	› Longterm response of herbivores to a large-scale reduction in live coral cover; implications for reef resiliency - *Andrew Brooks, Marine Science Institute, University of California*
11:30 - 11:45	› Herbivorous fish as drivers of the resilience of a Polynesian coral reef. - *Gilles Siu, Centre de recherches insulaires et observatoire de l'environnement*
11:45 - 12:00	› Ecological monitoring reveals the threat to coral reef fishes from climate-driven increases in cyclone intensity - *Alistair Cheal, Australian Institute of Marine Science*
12:00 - 13:00	Cocktail

TIME	EVENT
13:00 - 15:00	A2/ Genes to Genomes: Forging ahead in the study of marine evolution (Big Theater)
13:00 - 13:15	› How the devil ray got its horns: the genetic basis of body plan remodeling in manta rays and their relatives - *Karen Crow, San Francisco State University*
13:15 - 13:30	› Pathways and perils: Building up genomic resources in a specialized group of reef fish - *Joseph DiBattista, Curtin University*
13:30 - 13:45	› Genomics of adaptation in the ocean - *Agostinho Antunes, Interdisciplinary Centre of Marine and Environmental Research (CIIMAR), University of Porto, Department of Biology, Faculty of Sciences, University of Porto*
13:45 - 14:00	› A high-quality Genome of the Clownfish Amphiprion Percula - *Robert Lehmann, KAUST Environmental Epigenetic Program (KEEP), Division of Biological and Environmental Sciences and Engineering*
14:00 - 14:15	› Comparative genomics of anemonefish and chromosome evolution in reef fish - *Damien Lightfoot, KAUST Environmental Epigenetic Program (KEEP), Division of Biological and Environmental Sciences and Engineering*
14:15 - 14:30	› Investigating the genetic basis of clownfish adaptive radiation using comparative genomics - *Anna Marcionetti, Department of Computational Biology, University of Lausanne, Swiss Institute of Bioinformatics*
14:30 - 14:45	› The Future of Phylogenomics - *Prosanta Chakrabarty, Louisiana State University Museum of Natural Science*
14:45 - 15:00	› Explosive diversification of marine fishes at the Cretaceous-Paleogene boundary - *Brant Faircloth, Louisiana State University*
13:00 - 15:00	B1/ Sustainable pathways in reef fisheries: Maintaining catches and ecosystem functioning (Little theater)
13:00 - 13:15	› Where fishing meets function: the intersection of spearfishing selectivity and functional roles of herbivorous fishes on Fijian coral reefs - *Ryan McAndrews, Leibniz Centre for Tropical Marine Research, University of Bremen, New England Aquarium*
13:15 - 13:30	› Marine protected areas increase resilience among coral reef communities - *Camille Mellin, Australian Institute of Marine Science*
13:30 - 13:45	› Influence of market value and broad scale habitat on reef fish wariness - *Ellen D'Cruz, The University of Western Australia*
13:45 - 14:00	› Monitoring fisheries in the Phoenix Island Protective Area by satellite - *Johnny Aase, Institute for Marine and Antarctic Studies, Norwegian Defence Cyber Academy*
14:00 - 14:15	› Performance of the Great Barrier Reef Marine Park since the 2004 re-zoning - *Mike Emslie, Australian Institute of Marine Science*
14:15 - 14:30	› Towards management for resilience: Combined effects of natural disturbances and fisheries activities on coral reef ecosystem functioning. - *Mélodie Dubois, Centre de recherches insulaires et observatoire de l'environnement*
14:30 - 14:45	› Subsistence harvesting by a small community does not substantially compromise coral reef fish assemblages - *Tyson Martin, Australian Rivers Institute – Coast and Estuaries, and School of Environment, Griffith University*
14:45 - 15:00	› Decadal declines in the small-scale inshore fishery of Pohnpei, Micronesia - *Kevin Rhodes, MarAlliance - Dalia Hernandez-Ortiz, University of Guam - Javier Cuetos-Bueno, University of Guam*
13:00 - 13:30	E2/ Cryptobenthic fishes: Ecology and evolution of the smallest marine vertebrates (Room Muriavai)
13:00 - 13:15	› Hidden in plain sight: high cryptobenthic fish diversity on soft sediment habitats in Southeast Asia - *Maarten De Brauwer, Curtin University*
13:15 - 13:30	› A wonderful radiation of cryptobenthic clingfishes along Australia's Southern Coast - *Kevin Conway, Dept. of Wildlife and Fisheries Sciences, Texas A&M University*
13:00 - 14:00	G1/ Moving Forward by Looking Back: The Use of Time Series and Monitoring Data in Fish Ecology (Room Mahana)
13:00 - 13:15	› What can long term monitoring of reef-associated fishes tell us about the drivers of their abundance and dynamics? - *Russell Schmitt, University of California Santa Barbara*
13:15 - 13:30	› Are fish statistically informative indicators for long-term monitoring of coral reef disturbances? - *Simon Van Wynsberge, UMR Entropie Institut de Recherche pour le développement, Université de La Réunion, CNRS*
13:30 - 13:45	› Environmental DNA metabarcoding of marine coastal fish reflects long-term monitoring data based on underwater visual census - *Reiji Masuda, Maizuru Fisheries Research Station, Kyoto University*
13:45 - 14:00	› Discovery of abundant fish otoliths in fossil coral reefs greatly extends monitoring of coral reef fishes - *Aaron O'Dea, Smithsonian Tropical Research Institute*
13:30 - 15:00	E1/ Diadromous fish of the Indo Pacific: Biogeography, ecology and conservation (Room Muriavai)
13:30 - 13:45	› Evolution of Diadromy: “Migratory Pendulum Theory” - *Katsumi Tsukamoto, Nihon University*
13:45 - 14:00	› Evolution of Freshwater Amphidromy: its Origin and Process - *Shun Watanabe, Kindai University*
14:00 - 14:15	› Legacy effects of marine larval development for a diadromous fish species - *Mike Hickford, University of Canterbury*
14:15 - 14:30	› Bullied bullies: Competition shifts dietary niches in Gobiomorphus cotidianus - *Marine Richarson, University of Otago - Department of Zoology*

TIME	EVENT
14:30 - 14:45	› The leptocephalus larvae/marine snow food-web theory: pros, cons and uncertainties after 20 years of investigations in the Indo-Pacific. - *Eric Feunteun, Biologie des Organismes et Ecosystèmes Aquatiques, Muséum National d'Histoire Naturelle - Centre de Recherche et d'Enseignement sur les Systèmes Côtiers, Dinard, France*
14:45 - 15:00	› Diadromous migratory pattern of freshwater fish on Sado Island, northern Japan - *Midori Iida, Sado Marine Biological Station, Faculty of Science, Niigata University*
14:15 - 15:00	F4/ Conservation physiology of Indo-Pacific fishes: Facing problems and finding solutions (Room Mahana)
14:15 - 14:30	› Physiology meets conservation: Challenges, success stories, and future directions in the Indo-Pacific - *Jodie Rummer, ARC Centre of Excellence for Coral Reef Studies*
14:30 - 14:45	› Marine protected areas provide species with physiological resilience to the impacts of climate change - *Murray Duncan, Department of Ichthyology and Fisheries Science, Rhodes University*
14:45 - 15:00	› Dead tired: physiological exhaustion in neonatal reef sharks (Carcharhinus melanopterus and Negaprion acutidens) in nursery areas - *Ian Bouyoucos, ARC Centre of Excellence for Coral Reef Studies*
15:00 - 15:15	Coffee break
15:15 - 16:30	A2/ Genes to Genomes: Forging ahead in the study of marine evolution (Big Theater)
15:15 - 15:30	› Addressing intractable groups in the Fish Tree of Life using genome-wide Gene Genealogy Interrogation - *RICARDO BETANCUR, University of Puerto Rico - Rio Piedras*
15:30 - 15:45	› Finding Evolutionary Links and Genes in Adaptive Radiations of Reef Gobies (Gobiidae) by Targeted Gene Capture - *Kendall Johnson, Texas A&M University-Corpus Christi, Science & Engineering, Life Sciences, Marine Biology Program*
15:45 - 16:00	› Understanding Anti-Tropical Distributions in Centrarchiformes - *William Ludt, Louisiana State University*
16:00 - 16:15	› Genomic Analysis of Disjunct Marine Fish Populations of the Northeastern Pacific and Sea of Cortez - *Eric Garcia, University of California, Santa Cruz*
16:15 - 16:30	› Population genomics of New Zealand snapper and testing for size-selective fishing using ancient DNA - *Peter Ritchie, Victoria University of Wellington*
15:15 - 16:30	B1/ Sustainable pathways in reef fisheries: Maintaining catches and ecosystem functioning (Little theater)
15:15 - 15:30	› Human influence on the regional distribution of bioerosion by parrotfish in New Caledonian reefs: a matter of size - *nina schiettekatte, CRIOBE, Univ. Montpellier*
15:30 - 15:45	› Assessing value of subsea infrastructure for fish and fisheries: informing decommissioning options - *Dianne McLean, The University of Western Australia*
15:45 - 16:00	› Modeling Population Dynamics for Sustainable Harvest of Orange Clownfish - *Emma Schlatter, Colorado State University Department of Biology*
16:00 - 16:15	› Regional Differences in Fishing Pressure and Habitat Quality Alter the Organic Matter Supporting Fish in a Temperate Rocky Reef Community - *Jacquetta Udy, University of Otago*
16:15 - 16:30	› Indo-Pacific Groupers: going, going, gone? - *Min Liu, State Key Laboratory of Marine Environmental Science, College of Ocean and Earth Science, Xiamen University*
15:15 - 16:30	E1/ Diadromous fish of the Indo Pacific: Biogeography, ecology and conservation (Room Muriavai)
15:15 - 15:30	› Spawning Areas and Larval Dispersal and Recruitment Strategies of Anguillid eels in the Indo-Pacific - *Michael Miller, Laboratory of Eel Science, Nihon University, Japan*
15:30 - 15:45	› Spatial distribution, trophic ecology and growth of three tropical eel species (Anguilla marmorata, A. megastoma and A. obscura) living in sympatry in Gaua island (Vanuatu Archipelago) - *Philippe Keith, Museum National d'Histoire Naturelle*
15:45 - 16:00	› Temporal dynamics of the recruitment of three eel species in French Polynesia - *herehia helme, Ecole Doctorale 472 : Systèmes Intégrés, Environnement et Biodiversité (EPHE)*
16:00 - 16:15	› Spatio-temporal variability of leptocephali trophic networks in the South Pacific Ocean - *Eric Feunteun, Biologie des Organismes et Ecosystèmes Aquatiques*
16:15 - 16:30	› Distribution and early life history of anguillid eel leptocephali in the tropical western Pacific and South Pacific Ocean - *Mari Kuroki, Graduate School of Agricultural and Life Sciences, The University of Tokyo*
15:15 - 16:00	F4/ Conservation physiology of Indo-Pacific fishes: Facing problems and finding solutions (Room Mahana)
15:15 - 15:30	› How physiology can support the management and conservation of coral reef fishes - *Björn Illing, ARC Centre of Excellence for Coral Reef Studies*
15:30 - 15:45	› The responses of fish embryos to boat noise and finding solutions to underwater noise pollution. - *Sofia Jain-Schlaepfer, ARC Center of Excellence for Coral Reef Studies, College of Science and Engineering*
15:45 - 16:00	› A Protocol for Identifying Suitable Biomarkers to Assess Fish Health: a Systematic Review - *Frederieke Kroon, Australian Institute of Marine Science*
17:00 - 17:30	Shuttle - Shuttle

Tuesday, October 3, 2017

TIME	EVENT
08:00 - 09:00	Plenary talk (Big Theater) - Valeriano Parravicini
09:00 - 10:00	A2/ Genes to Genomes: Forging ahead in the study of marine evolution (Room Muriavai)
09:00 - 09:15	› Contrasting patterns of population structure and connectivity across northern Australia in a commercially important fish Lutjanus johnii: integrating population genetics, genomics and ecological markers. - *Laura Taillebois, Research Insitute for the Environment and Livelihoods, Charles Darwin University*
09:15 - 09:30	› Toward resolving complex evolutionary history of the Indo-West Pacific sergeant majors (Pomacentridae: Abudefduf) - *Wei-Jen Chen, Institute of Oceanography, National Taiwan University*
09:30 - 09:45	› Marine connectivity in time and space: Insights from an intertidal goby - *Cynthia Riginos, University of Queensland*
09:45 - 10:00	› Coral Reefs as Stepping Stones in a Range Expansion: The historical Demography of blacktip reef sharks revealed by genomic data - *Stefano Mona, Ecole Pratique des Hautes Etudes*
09:00 - 10:00	E1/ Diadromous fish of the Indo Pacific: Biogeography, ecology and conservation (Room Mahana)
09:00 - 09:15	› Different population structures among amphidromous gobies result from different life histories - *Ken Maeda, Okinawa Institute of Science and Technology Graduate University*
09:15 - 09:30	› Phylogeography of Eleotris fusca (Teleostei: Gobioidei: Eleotridae) in the Indo-Pacific area reveals a cryptic species in the Indian Ocean - *Marion Mennesson, Biologie des Organismes et Ecosystèmes Aquatiques*
09:30 - 09:45	› Complex patterns of population connectivity in a New Zealand amphidromous galaxiid - *Gerry Closs, University of Otago*
09:45 - 10:00	› Indo-Pacific clinging goby (Sicyopterus) mouth morphology: evolutionary point of view based on mitogenomic phylogeny. - *Clara Lord, UMR Biologie des Organismes Aquatiques*
09:00 - 10:00	B2/ Marine Reserves as Tools for Ecosystem-Based Fisheries Management in the Indo-Pacific (Little theater)
09:00 - 09:15	› Marine protected areas are natural responses to fisheries expansion - *Daniel Pauly, Sea Around Us, Institute for the Ocean and Fisheries, University of British Columbia*
09:15 - 09:30	› Tracking Interactions of Large Marine Protected Areas and Fisheries from Space - *Kristina Boerder, Dalhousie University*
09:30 - 09:45	› Cost benefit analysis of proposed marine sanctuary in French Polynesia's Austral archipelago - *Guillaume Leport, The Pew Charitable Trusts*
09:45 - 10:00	› Management and mitigation of drifting FAD fishing in the world largest tuna purse seine fishery - *Lauriane Escalle, Oceanic Fisheries Programme, The Pacific Community*
09:00 - 10:00	C1/ The role of fishes on coral reefs (Big Theater)
09:00 - 09:15	› The role of fishes on coral reefs: an overview - *David Bellwood, James Cook University*
09:15 - 09:30	› Pacific-Wide Analysis of Specialization in Herbivorous Reef Fish Assemblages - *Eileen Nalley, Hawai'i Institute of Marine Biology, University of Hawai'i at Mānoa*
09:30 - 09:45	› Mucus-secreting lips offer protection to suction-feeding corallivorous fishes - *Victor Huertas, James Cook University, ARC Centre of Excellence for Coral Reef Studies*
09:45 - 10:00	› The conceptual and empirical basis of trophic resource partitioning in herbivorous coral reef fishes - *Kendall Clements, University of Auckland*
10:00 - 10:15	Coffee break
10:15 - 10:30	E1/ Diadromous fish of the Indo Pacific: Biogeography, ecology and conservation (Room Mahana)
10:15 - 10:30	› Conservation and management of New Zealand's diadromous galaxias - *Jane Goodman, Department of Conservation and University of Otago*
10:15 - 12:00	B2/ Marine Reserves as Tools for Ecosystem-Based Fisheries Management in the Indo-Pacific (Little theater)
10:15 - 10:30	› Towards a network of large marine reserves in the Pacific ocean - *Jérôme Petit, The Pew Charitable Trusts*
10:30 - 10:45	› Science inventory of the Austral Islands' marine environment and project of large marine reserve by the population of the 5 Austral islands - *Donatien Tanret, The Pew Charitable Trusts - Tihoti Tanepau, School of Tubuai*
10:45 - 11:00	› Marine reserve network design for coral reef fisheries - *Nils Krueck, University of Queensland*
11:00 - 11:15	› The role of marine protected areas in the replenishment of local fisheries - *Hugo Harrison, ARC Centre of Excellence for Coral Reef Studies*
11:15 - 11:30	› Can collaborative governance arrangements effectively scale up local fisheries management? - *Rebecca Weeks, ARC Centre of Excellence for Coral Reef Studies*
11:30 - 11:45	› Long-term effects of marine reserves and habitat change on coral reef fishes: a 20-year study - *Maya Srinivasan, College of Science and Engineering, James Cook University, ARC Centre of Excellence for Coral Reef Studies*

TIME	EVENT
11:45 - 12:00	› High prevalence of homing behaviour in juvenile coral reef fishes may limit spatial responsiveness of fish communities - *Robert Streit, ARC Centre of Excellence for Coral Reef Studies, James Cook University*
10:15 - 12:00	A1/ Evolution and biology of 'primitive' and fossil fishes (Room Muriavai)
10:15 - 10:30	› Insight on sturgeon phylogeny and biogeography from mitogenomes and NGS-based nuclear loci sequencing. - *Nikolai Mugue, Russian Federal Research Institute of Fisheries and Oceanography, Institute of Developmantal Biology RAS*
10:30 - 10:45	› Polyploid evolution and functional genome diploidization in sturgeons - *Ekaterina Vasil'eva, Lomonosov Moscow State University, Biological Department, Zoological Museum*
10:45 - 11:00	› New Data on the Endoskeletal Morphology and Evolution of Early Jawed Fishes - *Martin Brazeau, Department of Life Sciences*
11:00 - 11:15	› Early members of a 'living fossil' lineage and a later origin for modern ray-finned fishes - *Sam Giles, University of Oxford*
11:15 - 11:30	› The evolution of teleost otolith morphology and its applications in paleoichthyology - *Werner Schwarzhans, Zoological Museum of the Natural History Museum of Denmark*
11:30 - 11:45	› Megaplanktivory, Past and Present: A comparison of Jurassic large suspension-feeders of the IndoPacific with contemporary analogues. - *Jeff Liston, Bayerische Staatssammlung für Paläontologie und Geologie*
11:45 - 12:00	› Dead fish CSI: Reconstructing the enigmatic Late Cretaceous billfish analogue Protosphyraena (Teleosteomorpha: Pachycormidae) - *Anthony Maltese, Rocky Mountain Dinosaur Resource Center*
10:15 - 12:00	C1/ The role of fishes on coral reefs (Big Theater)
10:15 - 10:30	› Parrotfishes: Can the hypothesis of obligate microphagy explain their evolutionary history and ecological success. - *John Choat, James Cook University*
10:30 - 10:45	› The functional roles of fishes on coral reefs: mediation by sediments - *Sterling Tebbett, James Cook University*
10:45 - 11:00	› Quantifying reef-scale rates of parrotfish bioerosion and sediment production - *Robert Yarlett, University of Exeter*
11:00 - 11:15	› Fish as a primary source of reef carbonate sediment: an overlooked ecosystem process? - *Michael Salter, University of Exeter*
11:15 - 11:30	› Parrotfish movement patterns vary with spatiotemporal scale - *Jenn Caselle, Marine Science Institute, University of California Santa Barbara*
11:30 - 11:45	› Spatial differentiation of tropical clupeid populations - *Kynan Hartog-Burnett, ARC Centre of Excellence for Coral Reef Studies and College of Science and Engineering (JCU)*
11:45 - 12:00	› Assessing the Population Structure and Characterizing Spatio-temporal Distributions of a Red Hind (Epinephelus guttatus) Spawning Aggregation in St. Croix, U.S. Virgin Islands - *Jonathan Brown, Master of Marine and Environmental Studies, University of the Virgin Islands*
10:30 - 12:00	A5/ Ecology & Evolution of Gobies (Room Mahana)
10:30 - 10:45	› Neglected taxa, morphology and molecules: recent advances in systematics of gobioid fishes (Teleostei, Gobioidei) - *Lukas Rüber, Naturhistorisches Museum Bern, University of Bern*
10:45 - 11:00	› Ecological drivers of speciation and phenotypic evolution in gobiiform fishes - *Tyler McCraney, University of California, Los Angeles*
11:00 - 11:15	› A Survey of Reproductive Morphology of Gobioid Fishes, Part 1: Rhyacichthys aspro - *Kathleen Cole, University of Hawaii at Manoa*
11:15 - 11:30	› Wading into the Mud: Phylogeny and Evolution of the Amblyopine Gobies - *Zeehan Jaafar, National University of Singapore*
11:30 - 11:45	› Using exon capture sequencing to determine the population structure of amphidromous gobies from the genus Stenogobius in the Central Pacific - *Kirill Vinnikov, Department of Biology, University of Hawai'i at Mānoa*
11:45 - 12:00	› Restructuring the gonad: how does a bidirectional hermaphroditic fish undergo shifts from ova to sperm production - *Jessica Maxfield, University of Hawaii at Manoa*
12:00 - 13:00	Lunch
13:00 - 13:45	B2/ Marine Reserves as Tools for Ecosystem-Based Fisheries Management in the Indo-Pacific (Little theater)
13:00 - 13:15	› Partially protected areas: a conservation middle ground? - *April Hall, College of Science and Engineering*
13:15 - 13:30	› No-take marine reserves in Moorea, French Polynesia decrease wariness but do not increase abundance - *Brooke Gibbons, The University of Western Australia*
13:30 - 13:45	› Relationships between Zooplankton Production, Pelagic Fish Production and Commercial Finfish Catch in Tropical Shelves - *Bruce Hodgson, Aurecon Australasia, Advisory, Bruce.Hodgson@aurecongroup.com*
13:00 - 15:00	A1/ Evolution and biology of 'primitive' and fossil fishes (Room Muriavai)
13:00 - 13:15	› The Emergence of Modern Marine Fish Faunas after the Jurassic-Cretaceous Crisis - *Lauren Sallan, University of Pennsylvania*

TIME	EVENT
13:15 - 13:30	› New marine fish faunas from the middle Eocene (Lutetian) of Pakistan: implications for the origin of the Indo-Pacific fauna - *Matt Friedman, University of Michigan*
13:30 - 13:45	› Saber-toothed fossil anchovies (Teleostei: Engrauloidea) from the early-middle Eocene of Belgium and Pakistan, with comments on clupeiform phylogeny and feeding adaptations - *Alessio Capobianco, University of Michigan*
13:45 - 14:00	› Adaptive radiation of Pelagia (Teleostei: Acanthomorpha) indicated by 3D morphometry - *Hermione Beckett, University of Oxford*
14:00 - 14:15	› The features of the Neogene stage of the North Pacific ichthyofauna development as inferred from two fossil fish complexes from Sakhalin, Russia - *Mikhail Nazarkin, Zoological Institute Russian Academy of Sciences*
13:00 - 15:00	C1/ The role of fishes on coral reefs (Big Theater)
13:00 - 13:15	› Fish-derived nutrients and their roles in Indo-Pacific coral reef systems - *Burkepile Deron, University of California Santa Barbara*
13:15 - 13:30	› The struggle for existence -- how competition reigns, especially when predation abounds - *Stuart Sandin, Scripps Institution of Oceanography*
13:30 - 13:45	› The damselfish domino effect: a competitive release in a highly partitioned guild reveals subordinates versatility - *Jacob Eurich, ARC Centre of Excellence for Coral Reef Studies and James Cook University*
13:45 - 14:00	› Collective Aggressiveness of Fish Social Groups Contributes to Variation in Coral Replenishment - *Sally Holbrook, University of California Santa Barbara*
14:00 - 14:15	› The role of cryptobenthic fishes on coral reefs - *Christopher Goatley, James Cook University, University of New England*
14:15 - 14:30	› Coral-damselfish mutualism: effects on photosynthesis and links to predation risk - *Sebastian Ferse, Leibniz Centre for Tropical Marine Research*
14:30 - 14:45	› A morphological and functional basis for maximum prey size in piscivorous fishes - *Michalis Mihalitsis, James Cook University, Australian Research Council Centre of Excellence for Coral Reef Studies*
14:45 - 15:00	› Positive indirect effects of top-predators on the survival and behaviour of juvenile fishes - *Maria del Mar Palacios, ARC Centre of Excellence for Coral Reef Studies, James Cook University*
13:00 - 14:00	A5/ Ecology & Evolution of Gobies (Room Mahana)
13:00 - 13:15	› Diet and body shape changes of pāroko Kelloggella disalvoi (Gobiidae) from intertidal pools of Easter Island, Southeast Pacific - *Mauricio Landaeta, Universidad de Valparaiso (CHILE)*
13:15 - 13:30	› What is the information of goby otolith morphology? - *Christoph Gierl, Department of Earth and Environmental Sciences, Palaeontology & Geobiology, Ludwig-Maximilians-University*
13:30 - 13:45	› Discoveries of cryptic goby species: history and perspectives in the Indo-Pacific - *Ekaterina Vasil'eva, Lomonosov Moscow State University, Biological Department, Zoological Museum*
13:45 - 14:00	› Goby fossils and what they can tell us - *Bettina Reichenbacher, Department of Earth and Environmental Sciences, Palaeontology & Geobiology, Ludwig-Maximilians-University*
14:00 - 15:00	F3/ Phenotypic plasticity and adaptation to anthropogenic environmental changes (Little theater)
14:00 - 14:15	› Global patterns of intraspecific life-history variation reveal hierarchical importance of environmental drivers in widespread coral-reef fishes - *Brett Taylor, Joint Institute for Marine and Atmospheric Research, University of Hawaii*
14:15 - 14:30	› Latitudinal variation in behavioural patterns and social group structure of coral reef fishes - *Paloma Matis, University of Technology Sydney*
14:30 - 14:45	› Differential impacts of climate-driven expansion of dead-zones on the vertical ecology of top oceanic predators - *Rui Rosa, Marine and Environmental Sciences Centre, University of Lisbon*
14:45 - 15:00	› You can't always get what you want: behavioural plasticity as a way for mobile coral reef fishes to buffer the effects of rising ocean temperatures? - *Rebecca Fox, University of Technology Sydney*
14:00 - 15:00	E3/ Fishes of Mesophotic Coral Ecosystems in the Indo-Pacific (Room Mahana)
14:00 - 14:15	› Mesophotic coral ecosystems are not a refuge for the shallow reef fauna - *Luiz Rocha, California Academy of Sciences*
14:15 - 14:30	› Reef fish communities from shallow to lower mesophotic coral ecosystems in the heart of the Coral Triangle - *Hudson Pinheiro, California Academy of Sciences*
14:30 - 14:45	› Taking a deeper look: Quantifying the differences in fish assemblages between shallow and mesophotic temperate rocky reefs. - *Joel Williams, New South Wales Department of Primary Industries*
14:45 - 15:00	› Ecological determinants of depth ranges in a coral-obligate reef fish and depth patterns in habitat disturbance: Are deep reefs a refuge? - *chancey Macdonald, College of Marine and Aquaculture Science, James Cook University, Australian Research Council, Centre of Excellence for Coral Reef Studies*
15:00 - 15:15	Coffee break
15:15 - 17:30	I1/ Women in Marine Sciences in the Indo-Pacific (Room Muriavai)
15:15 - 15:45	› A Climate for Change - *Gretta Pecl, Institute for Marine and Antarctic Studies, Centre for Marine Socioecology*
15:46 - 15:51	› What would you do if you weren't afraid? - *Isabel Ender, James Cook University, The Manta Trust*

TIME	EVENT
15:52 - 16:02	› Home is where the shark is - *Ornella Weideli, Save Our Seas Foundation, PSL Research University, EPHE-UPVD-CNRS, USR 3278 CRIOBE*
16:03 - 16:08	› From cows to marine fishes: discovering anglerfishes, engaging with Indigenous communities, and becoming a leader to female students in STEM - *Rachel Arnold, Northwest Indian College*
16:09 - 16:19	› Encouraging Women Scientists to Support Marine Research in Indonesia - *Ni Kadek Dita Cahyani, Indonesian Biodiversity Research Center, Bali, Indonesia, Department of Ecology and Evolutionary Biology, UCLA, Yayasan Biodiversitas Indonesia (Bionesia), Bali*
16:20 - 16:25	› Marine taxonomist: My Dream, My Journey - *Yonela Sithole, South African Institute for Aquatic Biodiversity, Rhodes University*
16:26 - 16:38	› Today's women in marine science: diverse leaders, passionate and dynamic communicators - *Jodie Rummer, ARC Centre of Excellence for Coral Reef Studies*
16:39 - 16:44	› Bridging science and art: The importance of visually interpreting and communicating science - *Sofia Jain-Schlaepfer, ARC Center of Excellence for Coral Reef Studies, College of Science and Engineering*
16:45 - 16:50	› Researching the role of marine parks on the Great Barrier Reef: a career overview - *April Hall, College of Science and Engineering, James Cook University*
16:51 - 17:01	› Women in Marine Sciences_Shirleen Bala_ Fiji Islands - *Shirleen Bala, Institute of Marine Resources, University of the South Pacific*
17:02 - 17:07	› Océane, when the name fits the job - *Océane Salles, Laboratoire Évolution & Diversité Biologique*
17:08 - 17:18	› The journey of a latina woman across the Pacific - *Maria del Mar Palacios, ARC Centre of Excellence for Coral Reef Studies, James Cook University*
17:19 - 17:24	› Ocean-locked: How a girl from the heartland became a marine biologist in the heart of the Pacific - *Lillian Tuttle, University of Hawai'i at Mānoa*
17:25 - 17:30	› White privilege and haole guilt: The advantages and pitfalls of fitting the best-worst stereotype in science - *Giulia Anderson, University of the South Pacific*
15:15 - 17:15	F3/ Phenotypic plasticity and adaptation to anthropogenic environmental changes (Little theater)
15:15 - 15:30	› Neurobiological-induced breakdown of cleaning mutualisms under ocean warming and acidification - *Jose Ricardo Paula, Marine and Environmental Sciences Centre, University of Lisbon*
15:30 - 15:45	› Neurogenomic mechanisms of behavioural plasticity in fish: a conceptual framework illustrated by the ecological modulation of reproductive behavior in a blenny - *Rui Oliveira, Instituto Gulbenkian de Ciência [Oeiras], ISPA - Instituto Universitario*
15:45 - 16:00	› It takes three to tango: global warming puts clownfish future in hot water - *Suzanne Mills, Centre de Recherche Insulaire et Observatoire de l'Environnement*
16:00 - 16:15	› Timing is everything: developmental plasticity to ocean warming in a coral reef fish - *Rachel Spinks, James Cook University*
16:15 - 16:30	› Warming over three generations in a coral reef fish: how does temperature change across generations affect plasticity? - *Jennifer Donelson, ARC Centre of Excellence for Coral Reef Studies, James Cook University*
16:30 - 16:45	› Moderate rate of temperature increase leads to transgenerational differences in metabolic pathways in a coral reef fish - *Moises Bernal, King Abdullah University of Science and Technology*
16:45 - 17:00	› The epigenetic landscape of transgenerational acclimation of a reef fish to ocean warming - *Timothy Ravasi, KAUST Environmental Epigenetic Program (KEEP), Division of Biological and Environmental Sciences and Engineering*
17:00 - 17:15	› Impacts of anthropogenic noise on fish: individual effects, population consequences and mitigation - *Andrew Radford, University of Bristol*
15:15 - 17:15	E4/ Biology and Evolution of deep-sea fishes (Room Mahana)
15:15 - 15:30	› A global biogeographic classification of the mesopelagic zone - *Tracey Sutton, Halmos College of Natural Sciences and Oceanography, Nova Southeastern University*
15:30 - 15:45	› A different way of seeing colour using multiple rod visual pigments in deep-sea fishes - *Fabio Cortesi, Queensland Brain Institute, The University of Queensland, Zoological Institute, University of Basel*
15:45 - 16:00	› The exceptional visual solution of the pearlsides (Sternoptychidae) to optimize vision in twilight conditions. - *Fanny de Busserolles, Queensland Brain Institute, The University of Queensland, King Abdullah University of Science and Technology*
16:00 - 16:15	› Progress on the taxonomy and systematics of three Indo-Pacific fish genera - *Ofer Gon, South African Institute for Aquatic Biodiversity*
16:15 - 16:30	› Intensive sampling of the Gulf of Mexico reveals a global hotspot of meso- and bathypelagic fish biodiversity - *April Cook, Nova Southeastern University*
16:30 - 16:45	› Monophyly and Phylogenetic Relationships of the Family Chiasmodontidae (Teleostei: Scombriformes) - *Marcelo Melo, Instituto Oceanográfico, Universidade de São Paulo*
16:45 - 17:00	› Functional biodiversity of New Zealand's marine fishes across depth - *Elisabeth Myers, New Zealand Institute for Advanced Study, Massey University*

TIME	EVENT
17:00 - 17:15	› Distribution, population relationships and genetic diversity of Antimora spp. (Moridae, Gadiformes) in the world's oceans - *Alexei Orlov, Dagestan State University, A.N.Severtsov Institute of Ecology and Evolution, National Research Tomsk State University, Russian Federal Research Institute of Fisheries and Oceanography*
15:15 - 16:15	C1/ The role of fishes on coral reefs (Big Theater)
15:15 - 15:30	› Lek-like versus Promiscuous Mating Systems on a Resident Spawning Aggregation Site: Examples From the Labridae - *Terry Donaldson, Marine Laboratory*
15:30 - 15:45	› Behavioral indicators provide insight into a fish's perception of coral reefs: implications for management. - *Margaret Malone, University of Illinois at Chicago*
15:45 - 16:00	› Exploring the functional traits which may provide mechanism of assembly rules among reef fishes from contrasting habitat types - *Catalina Ruz, Subtidal Ecology Laboratory, Estación Costera de Investigaciones Marinas, Pontificia Universidad Católica de Chile, Santiago, Chile*
16:00 - 16:15	› Look out behind! Are additional cameras in baited video worthwhile? - *Sasha Whitmarsh, Flinders University*
16:15 - 17:30	C2/ Symbiosis in Fishes (Big Theater)
16:15 - 16:30	› Skin microbiome of coral reef fishes is diversified, species-specific and not phylogenetically conserved - *Sébastien Villéger, MARine Biodiversity Exploitation and Conservation*
16:30 - 16:45	› Embryonic learning of chemical cues via the parents' host in anemonefish (Amphiprion ocellaris) - *Kazuko Miyagawa-KOHSHIMA, Wildlife Research Center of Kyoto University*
16:45 - 17:00	› Cleaner wrasse Labroides dimidiatus presence increases post-settlement success of a coral reef fish - *Alexandra Grutter, School of Biological Sciences, University of Queensland*
17:00 - 17:15	› The cleaner's mimic Aspidontus taeniatus utilizes the effect of aggressive mimicry only when it is small - *Misaki Fujisawa, Graduate School of Biosphere Science, Hiroshima University*
17:15 - 17:30	› The pair bonding in swimming goby, Ptereleotris hanae and the association between P. hanae and coinhabitant two species, nest-digging shrimp and its sentinel goby - *Izumi AKAGAWA*
17:30 - 20:00	Women in Marine Sciences - Private event at the Pearl Museum - WAN
18:00 - 18:30	Shuttle - Shuttle

Wednesday, October 4, 2017

TIME	EVENT
08:00 - 11:00	Animation with Children (Big Theater)
10:00 - 12:00	Meeting of ISC (Room Muriavai)
13:00 - 14:15	Posters & Flask Talks (Room Muriavai) - Marc Métian & Bruno Frederich
13:00 - 16:30	A3/ Integrative approaches in understanding fish diversity: Morphology, Systematics, and Taxonomy (Big Theater)
13:00 - 13:15	› Innovations and the conquest of the oceans by acanthomorph fishes - *Peter Wainwright, University of California, Davis*
13:15 - 13:30	› The influence of sociality and foraging strategy on the evolution of defensive morphology in butterflyfishes - *Jennifer Hodge, Department of Evolution & Ecology, University of California Davis*
13:30 - 13:45	› Evolution of the oral dentition in sparisomine parrotfish (Scarinae, Labriformes) - *Laurent Viriot, Institut de Génomique Fonctionnelle de Lyon, Centre de recherches insulaires et observatoire de l'environnement*
13:45 - 14:00	› Ontogeny of tooth replacement of Molidae (Ocean Sunfishes) and Diodontidae (Porcupinefishes) - *Katherine Bemis, Department of Fisheries Science, Virginia Institute of Marine Science, College of William and Mary*
14:00 - 14:15	› The Intermuscular Bones and Ligaments of Batrachoidiformes (Percomorphacea: Teleostei) - *Diego Vaz, Virginia Institute of Marine Science*
14:15 - 14:30	› Balistoid Habitat Use and Swimming Performance: An Evolutionary Perspective - *Andrew George, University of Chicago*
14:30 - 14:45	› Overview of the skeletal anatomy and systematics of Zoarcoidei (Cottiformes) - *Eric Hilton, Department of Fisheries Science, Virginia Institute of Marine Science, College of William and Mary*
14:45 - 15:00	› Macroevolution and speciation in freshwater Glossogobius from Sulawesi - *Douglass Hoese, Australian Museum*
15:00 - 15:15	› Cryptic species and strong genetic sub-structure in a tropical freshwater stream headwater-specialist, the Exquisite Rainbowfish (Melanotaeniidae: Melanotaenia exquisita) - *Michael Hammer, Museum & Art Gallery of the Northern Territory*
15:15 - 15:30	› Taxonomic status of five nominal species in the genus Stolephorus (Clupeiformes: Engraulidae) - *Harutaka Hata, The United Graduate School of Agricultural Sciences, Kagoshima University*
15:30 - 15:45	› Morphological and genetic variation of Gymnothorax undulatus (Anguilliformes: Muraenidae) in the Western Indian Ocean - *Yonela Sithole, Rhodes University, South African Institute for Aquatic Biodiversity*

TIME	EVENT
15:45 - 16:00	› Review of the triplefin genus Helcogramma (Tripterygiidae) in Japanese waters with two undescribed species - *Satokuni Tashiro, The United Graduate School of Agricultural Sciences, Kagoshima University*
16:00 - 16:15	› A review of the genus Sparidentex (Pisces: Perciformes, Sparidae) with a new species from the Indian Ocean - *Yukio Iwatsuki, University of Miyazaki - Kent Carpenter, Old Dominion University*
16:15 - 16:30	› Taxonomic review of the cardinalfish genus Apogon (Apogonidae) in Japan - *Tomohiro Yoshida, The United Graduate School of Agricultural Sciences, Kagoshima University*
13:00 - 15:00	I2/ Systematic, Taxonomy, Biology, and Ecology of marine and freshwater fishes (Room Mahana)
13:00 - 13:15	› Enhancing FishNet2 through FishBase-OBIS Collaboration - *Nelson Rios, Tulane University Biodiversity Research Institute*
13:15 - 13:30	› Strict pair-bond and stable territories of the vagabond butterflyfish, Chaetodon vagabundus performing spawning migration - *Azusa Endo, Graduate School of Biosphere Science, Hiroshima University*
13:30 - 13:45	› Three-dimensional structure, sand particle distribution and building simulation of the 'mystery circle' constructed by a pufferfish Torquigener albomaculosus (Tetraodontidae) - *Hiroshi Kawase, Coastal Branch of Natural History Museum and Institute, Chiba*
13:45 - 14:00	› Sex change, mating system, and effect of population density in reef fish - *Tetsuo Kuwamura, School of International Liberal Studies, Chukyo University*
14:00 - 14:15	› Cryptical sex change as a mating tactic in a coral dwelling polygynous damselfish Dascyllus reticulatus - *Rei Sakanoue, Graduate School of Biosphere Science, Hiroshima University*
14:15 - 14:30	› Molecular evidence of several marine fish hybridization cases in the Indo-Pacific region - *SONG HE, Reef Ecology Lab, Red Sea Research Center, Division of Biological and Environmental Science and Engineering, King Abdullah University of Science and Technology*
14:30 - 14:45	› Naturally occurring hybrids of coral reef butterflyfishes have similar fitness compared to parental species - *Stefano Montanari, AIMS@JCU, Australian Institute of Marine Science, College of Science and Engineering*
14:45 - 15:00	› Fish assemblage structures and environmental conditions in small tidal creeks and tide pools in a mangrove estuary - *Kusuto Nanjo, National Fisheries University*
13:00 - 15:00	I2/ Systematic, Taxonomy, Biology, and Ecology of marine and freshwater fishes (Little theater)
13:00 - 13:15	› Fish Barcode of Life in Argentina - *juan DIAZ DE ASTARLOA, Instituto de Investigaciones Marinas y Costeras, CONICET-Universidad Nacional de Mar del Plata*
13:15 - 13:30	› Phylogeography of the 'Barbus' paludinosus species complex across Indian Ocean drainages and endorheic rivers of East Africa - *Henry Bart, Tulane University Biodiversity Research Institute*
13:30 - 13:45	› Freshwater Fishes of China: species diversity, distribution and conservation - *Yahui ZHAO, Institute of Zoology, Chinese Academy of Sciences*
13:45 - 14:00	› Paleo-Drainage Basin Connectivity Predicts Evolutionary Relationships Across Three Southeast Asian Biodiversity Hotspots - *Mark de Bruyn, The University of Sydney*
14:00 - 14:15	› Taxonomic revision of shallow-water tonguefishes (Pleuronectiformes: Cynoglossidae: Symphurus) from marine waters of the tropical Indo-Pacific - *Thomas Munroe, National Museum of Natural History, Smithsonian Institution - Mao-Ying Lee, Institute of Oceanography, National Taiwan University*
14:15 - 14:30	› A new family and genus proposed for an undescribed Japanese species of the suborder Zoarcoidei - *Gento Shinohara, Department of Zoology, National Museum of Nature and Science*
14:30 - 14:45	› Subsea petrochemical infrastructure is influencing the abundance and diversity of fish in northern Australia - *Todd Bond, The University of Western Australia*
14:45 - 15:00	› Metapopulation as "Ichthyological Conservation Unit" for freshwater fishes - *Kazumi HOSOYA, Kindai University*
14:15 - 15:00	F1/ Causes and consequences of change for macroalgae-associated fishes (Room Muriavai)
14:15 - 14:30	› Macroalgae habitat complexity underpins tropical fish biodiversity, replenishment and productivity - *Christopher Fulton, The Australian National University*
14:30 - 14:45	› The importance of tropical seaweed beds as fish habitats in the Western Indian Ocean - *Stina Tano, Stockholm University*
14:45 - 15:00	› Spatially varying influence of canopy height on the functional role of seaweed and seagrass beds as nursery habitats - *Linda Eggertsen, Department of Ecology, Environment and Plant Science, Stockholm University, Reef Systems Ecology and Conservation Lab, University Federal Fluminense*
15:00 - 15:15	Coffee break
15:15 - 16:30	Posters
15:15 - 16:15	F1/ Causes and consequences of change for macroalgae-associated fishes (Room Muriavai)
15:15 - 15:30	› Macroalgal identity drives rates of herbivory and the structure of fish assemblages within a tropical East African seascape - *Dinorah Chacin, University of South Florida*
15:30 - 15:45	› Algal herbivory dynamics of fish across habitats in a shallow tropical seascape - *Maria Eggertsen, Department of Ecology, Environment and Plant Sciences*

TIME	EVENT
15:45 - 16:00	› Edge effects on seaweed- and seagrass browsing within a tropical seascape - *Charlotte Berkström, Dept. of Ecology, Environment and Plant Sciences, Stockholm University, Swedish University of Agricultural Sciences*
16:00 - 16:15	› Living on the edge - grazing activity along macrophyte patches - *Carolina Åkerlund, Dept. of Ecology, Environment and Plant Sciences, Stockholm University*
15:15 - 16:30	I2/ Systematic, Taxonomy, Biology, and Ecology of marine and freshwater fishes (Little theater)
15:15 - 15:30	› The importance of habitat connectivity and structure on fish biodiversity and assemblages within Samoan mangroves - *Joseph Percival, Kyoto University*
15:30 - 15:45	› Relationship between otolith Sr/Ca ratio and salinity in western mosquitofish by aquarium experiment - *Mariko Takashima, Mie University*
15:45 - 16:00	› Assessing functional diversity and food web architecture on central Pacific coral reefs with a compound-specific carbon stable isotope approach - *Simon Thorrold, Woods Hole Oceanographic Institution*
16:00 - 16:15	› Latitudinal variation in life history traits of Meuschenia scaber (Monacanthidae) - *Valerio Visconti, University of Auckland*
16:15 - 16:30	› Tidal pool fish diversity of Jeju Island, Korea - *Hyuck Joon Kwun, National Marine Biodiversity Institute of Korea*
17:00 - 17:30	Shuttle - Shuttle
19:00 - 19:50	Public Lecture : Le monde du silence, la fin d'un mythe (Big Theater) - Eric Parmentier
19:55 - 20:10	Public Lecture: La pollution sonore dans l'eau et sur Terre - La voiture électrique (Big Theater) - Laurent Mallet - RENAULT
20:10 - 21:00	Public Lecture: L'évolution de la pêche dans le monde: quel futur et quelles améliorations possibles ? (Big Theater) - Daniel Pauly

Thursday, October 5, 2017

TIME	EVENT
08:00 - 09:00	Plenary talk (Big Theater) - Daniel Pauly
09:00 - 10:00	H3/ Ciguatera fish poisoning in the Indo-Pacific region (Room Mahana)
09:00 - 09:15	› Ciguatera fish poisoning in the South Pacific: implementation of a regional surveillance network (CIGUA-WATCH PROJECT) - *Clémence GATTI, Institut Louis Malardé*
09:15 - 09:30	› The risk of ciguatera fish poisoning to New Zealand and its territorial waters and a molecular approach to monitoring - *Lesley Rhodes, Cawthron Institute*
09:30 - 09:45	› Managing the risk of Ciguatera Fish Poisoning in temperate Australia - *Michaela E. Larsson, University of Technology Sydney*
09:45 - 10:00	› Ciguatoxic dinoflagellate densities and the effects of algal biomass and species composition in a Pacific coral reef - *Amy Briggs, Odum School of Ecology, University of Georgia*
09:00 - 10:00	F1/ Causes and consequences of change for macroalgae-associated fishes (Big Theater)
09:00 - 09:15	› Structural connectivity and local habitat quality shape fish community structure across a patchy tropical seascape - *Joshua van Lier, The Australian National University*
09:15 - 09:30	› From food web to biotic interactions: positive effects of reef fishes in kelp habitats - *Alejandro Perez Matus, Subtidal Ecology Laboratory and Marine Conservation Center, Estación Costera de Investigaciones Marinas, Pontificia Universidad Católica de Chile, Santiago, Chile*
09:30 - 09:45	› The best of a bad situation: invasive kelp acts as partial functional replacement for native kelp for fishes on degraded urban reefs - *Luke Barrett, School of BioSciences, University of Melbourne*
09:45 - 10:00	› The influence of ENSO and seaweed habitat on patterns of fish recruitment - *Shaun Wilson, Department of Parks & Wildlife*
09:00 - 10:00	C4/ Acoustic Ecology of Indo-Pacific Fishes (Room Muriavai)
09:00 - 09:15	› Acoustic space sharing in the hullabaloo of a coral reef in Moorea Island, French Polynesia. - *Frédéric Bertucci, Centre de Recherches Insulaires et Observatoire de l'Environnement, Laboratory of Functional and Evolutionary Morphology*
09:15 - 09:30	› Parrotfish Soundscapes: Implications for coral reef monitoring and management - *Timothy Tricas, Department of Biology (Zoology), University of Hawaii at Manoa*
09:30 - 09:45	› Soundtrack of the Anthropocene: Impacts of global change on coral reef communities in the 21st Century - *Steve Simpson, Biosciences, College of Life & Environmental Sciences, University of Exeter*
09:45 - 10:00	› Singing in the right Cay?: Fish choruse contributions to soundscapes - *Miles Parsons, Centre for Marine Science and Technology, Curtin University [PERTH]*
09:00 - 10:00	D1/ Biology, Ecology, Evolution and Conservation of Chondrichthyan fishes (Little theater)

TIME	EVENT
09:00 - 09:15	› Gigantothermy in whale sharks – tracking the behavioural strategies of a homeothermic ectotherm - *Mark Meekan, Australian Institute of Marine Science*
09:15 - 09:30	› Visual ecology of Indo-Pacific mobula rays - *Betty Laglbauer, Queensland Brain Institute, The University of Queensland, Department of Oceanography and Fisheries, University of the Azores*
09:30 - 09:45	› Direct evidence of contemporary sex-biased reproductive dispersal in threatened river sharks. - *Pierre Feutry, CSIRO*
09:45 - 10:00	› Incremental analysis of vertebral centra in wild and captive-bred bull sharks (Carcharhinus leucas) through micro-computed tomography - *Fabienne Ziadi-Kuenzli, Graduate School of Engineering and Science, University of the Ryukyus, Physics and Biology Unit, Okinawa Institute of Science and Technology Graduate University*
10:00 - 10:15	Coffee break
10:15 - 12:00	H3/ Ciguatera fish poisoning in the Indo-Pacific region (Room Mahana)
10:15 - 10:30	› Distributions and toxin production of Gambierdiscus and Fukuyoa spp. in the Kingdom of Tonga - *Phoebe Argyle, Cawthron Institute, University of Canterbury*
10:30 - 10:45	› Distribution and diversity of Gambierdiscus spp. and associated levels of ciguatoxins in herbivorous fish from a ciguatera-endemic area in the Cook Islands - *Kirsty Smith, Cawthron Institute*
10:45 - 11:00	› Identification of Poisonous Fish in Various I Qoliqoli and its Treatment in Fiji - *Nanise Tuqiri, Ministry of Fisheries, Fiji*
11:00 - 11:15	› LC-MS analysis of ciguatoxins from Variola louti collected off the Japanese Waters - *Naomasa Oshiro, National Institute of Health Sciences*
11:15 - 11:30	› Effects of ciguatoxins accumulation in fish - *Mireille Chinain, Institut Louis Malardé*
11:30 - 11:45	› Experimental evidence of ciguatoxin continued bioaccumulation in an herbivorous coral reef fish - *Marie-Yasmine Dechraoui Bottein, Environment Laboratories*
11:45 - 12:00	› Towards a transcriptomic signature of long-term CTX exposure in naso brevirostris - *Gregory Nuel, Laboratoire de Probabilité et Modèles Aléatoires*
10:15 - 12:00	A4/ Bio/Phylo-geographical patterns and processes in Indo-Pacific coral reef fishes (Big Theater)
10:15 - 10:30	› New phylogenetic trees, evolutionary history and global biogeographic patterns of coral reef fishes using all-species phylogenetic trees - *Mark Westneat, University of Chicago*
10:30 - 10:45	› The biogeography of tropical reef fishes: endemism and provinciality through time - *Peter Cowman, ARC Centre of Excellence for Coral Reef Studies*
10:45 - 11:00	› Phylogenetic perspectives on reef fish functional traits - *Sergio Floeter, Universidade Federal de Santa Catarina*
11:00 - 11:15	› Evolutionary processes underlying reef fish latitudinal differences in biodiversity - *Alexandre Siqueira, College of Science and Engineering/Center of Excellence for Coral Reef Studies, James Cook University*
11:15 - 11:30	› Biogeographic Patterns of the Pomacentridae with insight into the Coral Triangle - *Chloe Nash, Committee on Evolutionary Biology, University of Chicago*
11:30 - 11:45	› Further insight into the iterative ecological radiation of damselfishes (Pomacentridae) - *Bruno Frédérich, Laboratory of Functional and Evolutionary Morphology,, Laboratory of Oceanology*
11:45 - 12:00	› Ecological and evolutionary drivers of reef fish agonistic interactions - *Luisa Fontoura, Macquarie University*
10:15 - 12:00	C4/ Acoustic Ecology of Indo-Pacific Fishes (Room Muriavai)
10:15 - 10:30	› Hearing Nemo: Alarm Calling Behaviour in Coral Reef Fish - *Isla Keesje Davidson, College of Life and Environmental Sciences, Exeter University*
10:30 - 10:45	› Diversity of fish sound types in the Pearl River Estuary, China - *Wang Zhitao, Institute of Hydrobiology of the Chinese Academy of Sciences*
10:45 - 11:00	› Degraded Great Barrier Reef no longer sounds like home - *Tim Gordon, University of Exeter*
11:00 - 11:15	› Effects of noise on the communication space of New Zealand bigeye, Pempheris adspersa - *Rosalyn Putland, Institute of Marine Science, University of Auckland*
11:15 - 11:30	› The use of baited underwater video to monitor fish behaviour in response to boat motor noise - *Craig Radford, Institute of Marine Science, University of Auckland*
11:30 - 11:45	› Bad parenting and cheating: Impacts of motorboat noise on coral reef fish - *Sophie Nedelec, University of Exeter*
11:45 - 12:00	› The influence of habitat degradation on the susceptibility of coral reef fish to motorboat noise - *Harry Harding, University of Bristol*
10:15 - 12:00	D1/ Biology, Ecology, Evolution and Conservation of Chondrichthyan fishes (Little theater)
10:15 - 10:30	› Stable isotope analysis of two filter feeding sharks in the waters off Taiwan - *Chi-Ju Yu, National Taiwan Ocean University*
10:30 - 10:45	› An Interactive Online Database for Extant Chondrichthyan Fishes - *Gavin Naylor, Florida Museum of Natural History*
10:45 - 11:00	› Species diversity, utilization status and conservation of sharks and rays in China - *Jie Zhang, Key Laboratory of Animal Ecology and Conservation Biology，Institute of Zoology, Chinese Academy of Sciences*

TIME	EVENT
11:00 - 11:15	› Taxonomic variability in the white-spotted whiprays (gerrardi-complex) of the genus Maculabatis Last, Naylor & Manjaji-Matsumoto 2016 - *B. Mabel Manjaji-Matsumoto, Endangered Marine Species Research Unit, Borneo Marine Research Institute, Universiti Malaysia Sabah*
11:15 - 11:30	› Characterization, valuation and conservation of the first nursery area of blacktip and hammerhead sharks in the Eastern Atlantic Ocean - *Catarina Frazao-Santos, Marine and Environmental Sciences Centre, University of Lisbon*
11:30 - 11:45	› A Nursery Ground of Sicklefin Lemon Shark, Negaprion acutidens, at the Water of Dongsha Island in Dongsha Atoll National Park, Taiwan - *Chen Yu Yun, Department of Leisure & Recreation Studies, Aletheia University*
11:45 - 12:00	› Baited remote underwater video system (BRUVS) survey of elasmobranch abundance and distribution in the Arabian Gulf. - *Shamsa Al Hameli, Environment Agency – Abu Dhabi*
12:00 - 13:00	Lunch
13:00 - 13:45	H3/ Ciguatera fish poisoning in the Indo-Pacific region (Room Mahana)
13:00 - 13:15	› Application of Solid Phase Adsorption Toxin Tracking (SPATT) devices for an improved Ciguatera Fish Poisoning (CFP) risk assessment - *Hélène Taiana Darius, Institut Louis Malardé, Laboratory of Toxic Microalgae (UMR 241 EIO)*
13:15 - 13:30	› Understanding the complexities associated with the chemical analysis of ciguatoxins - *Sam Murray, Cawthron Institute*
13:30 - 13:45	› Applicability of the fluorescent Receptor Binding Assay (RBAf) to the detection of Ciguatoxins in Pacific reef fish. - *Taiana Darius, Institut Louis Malardé - UMR 241 EIO, Laboratoire des Micro-algues Toxiques*
13:00 - 15:00	A4/ Bio/Phylo-geographical patterns and processes in Indo-Pacific coral reef fishes (Big Theater)
13:00 - 13:15	› Phylogeography, Biogeography, and the Origins of Indo-Pacific Reef Fishes - *Brian Bowen, Hawai'i Institute of Marine Biology*
13:15 - 13:30	› Drivers of reef fish assemblages in the Indian Ocean - *Melita Samoilys, CORDIO East Africa, Department of Zoology*
13:30 - 13:45	› Origins of Hawaiian reef fauna: evidence from sister pairs of Pacific blennies - *Michael Hoban, Hawai'i Institute of Marine Biology*
13:45 - 14:00	› Comparative phylogeography of fishes in the South China Sea - *Nozomu MUTO, School of Biological Sciences, Tokai University*
14:00 - 14:15	› Revisiting the “Center Hypotheses” of the Indo-West Pacific: Idiosyncratic genetic diversity of nine reef species offers weak support for a center of biodiversity. - *Ambrocio Melvin Matias, University of Queensland, University of the Philippines Diliman*
14:15 - 14:30	› Quantifying the emergent geography of dispersal barriers and environmental gradients: biogeographic implications across the Indo-Pacific. - *Eric Treml, University of Melbourne*
14:30 - 14:45	› Assessing spatial patterns of coral reef fishes : the contribution of a multi-component beta-diversity approach - *Gaëlle Legras, Ecosystèmes Insulaires Océaniens*
14:45 - 15:00	› Emergent patterns of genetic diversity across the Indo-Pacific Ocean - *Libby Liggins, Massey University, Auckland War Memorial Museum*
13:00 - 14:15	D1/ Biology, Ecology, Evolution and Conservation of Chondrichthyan fishes (Little theater)
13:00 - 13:15	› Uncovering the status of Oceania's poorly-known endemic chondrichthyans - *Peter Kyne, Charles Darwin University*
13:15 - 13:30	› Conservation Status of Sharks, Rays, and Chimaeras in the Arabian Sea and Adjacent Waters - *Jabado Rima, Environment Agency Abu Dhabi*
13:30 - 13:45	› Evidence for rapid recovery of shark populations within a coral reef marine protected area - *Conrad Speed, Australian Institute of Marine Science, Global FinPrint Project*
13:45 - 14:00	› Projects Abroad – Fiji Shark Program: Linking Citizen Science to Fisheries Management - *Gauthier Mescam, Projects Abroad - Fiji Shark Conservation*
14:00 - 14:15	› How effective are front-line community programs in addressing the threats to marine species and habitats? A case study from the world's largest manta ray hunting community. - *sarah lewis, Manta Trust, Misool Foundation, Sea Sanctuaries Trust*
13:15 - 15:00	C6/ Connectivity and Dispersal in the Indo-Pacific (Room Muriavai)
13:15 - 13:30	› Larval quality (morphological, physiological and behavioural traits) and dispersal - *Ricardo Beldade, Centre de Recherche Insulaire et Observatoire de l'Environnement (CRIOBE)*
13:30 - 13:45	› Larval dispersal and connectivity in a coral reef seascape - *Geoffrey Jones, College of Marine and Aquaculture Science, James Cook University, Australian Research Council, Centre of Excellence for Coral Reef Studies*
13:45 - 14:00	› Reef fish larval dispersal underscores major challenges for regional coral reef management in the Philippines - *Rene Abesamis, ARC Centre of Excellence for Coral Reef Studies, Silliman University-Angelo King Center for Research and Environmental Management*
14:00 - 14:15	› From spawning to settlement: Identifying fine-scale connectivity in the Convict Tang, Acanthurus triostegus, across O‘ahu - *Richard Coleman, Hawai‘i Institute of Marine Biology, University of Hawaii, Manoa*
14:15 - 14:30	› Weak and monthly variable self-recruitment in the coral reef damselfish Dascyllus aruanus in New Caledonia - *Cécile Fauvelot, Ecologie marine tropicale des océans Pacifique et Indien*

TIME	EVENT
14:30 - 14:45	› Reef health influences self-recruitment in a meta-population of Skunk Clownfish (Amphiprion akallopisos) in the Indian Ocean connected through larval dispersal - *Filip Huyghe, Vrije Universiteit Brussel*
14:45 - 15:00	› Connectivity within the Red Sea and around the Arabian Peninsula - *Michael Berumen, Reef Ecology Lab, King Abdullah University of Science and Technology*
13:45 - 15:00	H1/ Management of coral reef' social-ecological systems (Room Mahana)
13:45 - 14:00	› Coral reef conservation on the largest Brazilian MPA - Linking hybrid governance and social-ecological resilience - *Pedro Pereira, Costa dos Corais Protected Area (APACC), Federal University of Pernambuco (UFPE) – Oceanography Department*
14:00 - 14:15	› A collaborative approach to integrate science into traditional management of coral reefs in Navakavu, Fiji - *Leo Dutra, The University of the South Pacific, Faculty of Science, Technology and the Environment, School of Marine Studies, CSIRO Oceans & Atmosphere*
14:15 - 14:30	› Comparative approach of hybrid governance in Polynesian's coral reef social-ecological systems - *Pauline FABRE, Centre de recherches insulaires et observatoire de lénvironnement*
14:30 - 14:45	› A Biocultural Approach to Developing Indicators for Natural Resource Management - *Eleanor Sterling, Center for Biodiversity and Conservation, American Museum of Natural History*
14:45 - 15:00	› Disciplining Hybrid Governance: Assessing Disciplinary Interference in Biocultural Indicators for Socio-Ecological Resilience - *Alexander MAWYER, Center For Pacific Islands Studies, University of Hawai'i at Manoa*
14:30 - 15:00	D2/ Indo-Pacific Predators: Biology, ecology, conservation and management (Little theater)
14:30 - 14:45	› Sharks and rays in French Polynesia: A review of species diversity, status, life history, and fishing pressure assembled from diverse data sources - *Lisa Stevenson, James Cook University*
14:45 - 15:00	› Spatial and temporal distributions of coastal shark populations at the Galapagos Marine Reserve - *David Acuna, Institute of Natural and Mathematical Sciences, Massey University*
15:00 - 15:15	Coffee break
15:15 - 16:30	A4/ Bio/Phylo-geographical patterns and processes in Indo-Pacific coral reef fishes (Big Theater)
15:15 - 15:30	› Biogeographic patterns in major marine realms: function not taxonomy unites fish assemblages in reef, seagrass and mangrove systems - *Christopher Hemingson, James Cook University, ARC Centre of Excellence for Coral Reef Studies*
15:30 - 15:45	› Population genomics and phenotypic differentiation between pairs of sister species of clownfishes - *Nicolas Salamin, University of Lausanne, Department of Computational Biology*
15:45 - 16:00	› Phylogenetic diversity of New Zealand ray-finned fishes across depth and latitude. - *David Eme, New Zealand Institute for Advanced Study*
16:00 - 16:15	› A subtropical reef fish with a disjunct distribution: one species or two? - *Thomas Trnski, Auckland War Memorial Museum*
16:15 - 16:30	› Biodiversity and biogeography of reef fishes of the remote and near-pristine Kimberley, Western Australia - *Glenn Moore, Western Australian Museum*
15:15 - 16:30	C6/ Connectivity and Dispersal in the Indo-Pacific (Room Muriavai)
15:15 - 15:30	› The ghost in the machine: a review of the biology behind biophysical models of marine larval dispersal - *Stephen Swearer, University of Melbourne*
15:30 - 15:45	› Scales of marine dispersal, from ecological to evolutionary - *Malin Pinsky, Rutgers University*
15:45 - 16:00	› Creating empirically-validated simulations of reef fish larval dispersal - *Michael Bode, ARC Centre of Excellence for Coral Reef Studies*
16:00 - 16:15	› There and back again: patterns and consequences of larval dispersal - *Jeff Shima, Victoria University of Wellington*
16:15 - 16:30	› Ontogeny of swimming abilities of larval coral reef fishes and a hypothesis for their impact on the spatial scale of dispersal - *John Majoris, Department of Biology and Marine Program, Boston University*
15:15 - 16:30	D2/ Indo-Pacific Predators: Biology, ecology, conservation and management (Little theater)
15:15 - 15:30	› Genetic connectivity of a coastal apex predator: The population genetic structure reveals a potential spatial isolation of Fijian bull sharks - *Kerstin Glaus, The University of the South Pacific*
15:30 - 15:45	› Long term stability of a protected coral trout population, has it reached the carrying capacity? - *Michael Kingsford, Centre of Excellence for Coral Reef Studies and College of Science and Engineering*
15:45 - 16:00	› Mako shark movements and habitat use in the southwest Pacific Ocean - *Malcolm Francis, National Institute of Water and Atmospheric Research*
16:00 - 16:15	› Population Structure and Connectivity of Swordfish (Xiphias gladius L.) in the Pacific and Indian Oceans - *Brad Smith, Brigham Young University*
16:15 - 16:30	› Insights into genetic chaos among tuna species in the Western and Central Pacific Ocean - *Giulia Anderson, University of the South Pacific*
15:15 - 16:30	F2/ Climate change and high CO2 effects on fishes: Moving from individual to community level effects (Room Mahana)

TIME	EVENT
15:15 - 15:30	› Contribution of nuclear applications to better understand the effects of climate change and high CO2 on fishes - *Marc Metian, International Atomic Energy Agency – Environment Laboratories*
15:30 - 15:45	› The Balancing Act in Future Acidic Oceans: Protection of pH During Elevated CO2 Exposure Leads to Tradeoffs and Downstream Consequences in Marine Fish - *Rachael Heuer, University of Miami*
15:45 - 16:00	› Is pH compensation the root of all evil? - *Martin Grosell, RSMAS*
16:00 - 16:15	› An interplay between plasticity, epigenetics, and parental phenotype determines impacts of ocean acidification on a reef fish - *Celia Schunter, King Abdullah University of Science and Technology (- Megan Welch, ARC Centre of Excellence for Coral Reef Studies - Göran Nilsson, University of Oslo - Jodie Rummer, ARC Centre of Excellence for Coral Reef Studies - Philip Munday, ARC Centre of Excellence for Coral Reef Studies - Timothy Ravasi, King Abdullah University of Science and Technology (*
16:15 - 16:30	› Molecular mechanisms underpinning intraspecific variation in response to short-term and developmental thermal stress - *Heather Veilleux, ARC Centre of Excellence for Coral Reef Studies, James Cook University*
17:00 - 17:30	Shuttle - Shuttle
19:00 - 22:00	Gala Dinner (Intercontinental Tahiti Resort)
22:30 - 22:30	Shuttle - Shuttle from Gala Dinner to partner hotels

Friday, October 6, 2017

TIME	EVENT
08:00 - 09:00	Plenary talk (Big Theater) - Gerry Closs
09:00 - 10:00	B3/ Aquaculture of native marine and estuarian South Pacific finfish (Little theater)
09:00 - 09:15	› Nutritional evaluation of two types of euryhaline rotifers Brachionus plicatilis sp. complex and digestive enzyme response at first feeding in Japanese Flounder, Paralichthys olivaceus - *Viliame Waqalevu, United Graduate School of Agricultural Sciences, Kagoshima University*
09:15 - 09:30	› Aquaculture in French Polynésia: from rural to industrial sectors - *LAFILLE Marc-André, Direction des ressources Marines et Minières*
09:30 - 09:45	› Treatment of bacterial disease in fish aquaculture by natural products from French Polynesia - *Tepoerau MAI, Université de la Polynésie française*
09:45 - 10:00	› Environmental analysis method to guide aquaculture sustainable development: case study in Mayotte marine natural park - *Killian Chary, Institut Français de Recherche pour l'Exploitation de la MER - IFREMER*
09:00 - 10:00	H1/ Management of coral reef' social-ecological systems (Room Mahana)
09:00 - 09:15	› Operationalizing Ecological Adaptive Capacity to assess Impacts, Resilience, and Action for Coral Reefs in the Face of Global Environmental Change - *Adrien Comte, Université de Brest, Ifremer, CNRS, UMR6308 AMURE, IUEM, Plouzané, France*
09:15 - 09:30	› Linking terrestrial causes of disturbances to coral reef health: socio-ecological modeling of Kenting National Park (Taiwan) in the context of climate change. - *Lauriane Ribas-Deulofeu, Biodiversity Research Center, Academia Sinica, Taiwan International Graduate Program-Biodiversity, Academia Sinica, Department of Life Science, National Taiwan Normal University*
09:30 - 09:45	› How MMSY promotes sustainability in coral ecosystem facing environmental chocks - *Adrien LAGARDE, Groupe de Recherche en Economie Théorique et Appliquée*
09:45 - 10:00	› Citizen Science: using spot pattern technology to identify the threatened common seadragon Phyllopteryx taeniolatus in the Sydney region. - *Selma Klanten, School of Life Sciences, University of Technology Sydney*
09:00 - 10:00	D2/ Indo-Pacific Predators: Biology, ecology, conservation and management (Room Muriavai)
09:00 - 09:15	› How does a shark's paradise become a fish's nightmare? Ecology and behaviour of reef sharks at Fakarava, one of the world's biggest aggregations. - *Johann Mourier, Centre de Recherche Insulaire et Observatoire de l'Environnement*
09:15 - 09:30	› Safe haven: a mark recapture study reveals fast growth rates and long-term residency patterns in a multi-species shark nursery - *Ornella Weideli, PSL Research University, EPHE-UPVD-CNRS, USR 3278 CRIOBE, Save Our Seas Foundation - Yannis Papastamatiou, Department of Biological Sciences, Florida International University - Serge Planes, PSL Research University, EPHE-UPVD-CNRS, USR 3278 CRIOBE*
09:30 - 09:45	› Shark fins: high-value commodities or survival products? - *Sara Busilacchi, Commonwealth Scientific and Industrial Research Organisation - Land and Water*
09:45 - 10:00	› Sharks, Culture and Conservation: Recognizing the value of Indigenous knowledge and cultural dimensions of Sharks and Rays - *Karin Gerhardt, Centre for Sustainable Tropical Fisheries and Aquaculture & School of Earth and Environmental Sciences, James Cook University*
09:00 - 10:00	F2/ Climate change and high CO2 effects on fishes: Moving from individual to community level effects (Big Theater)
09:00 - 09:15	› Trophic transfer of essential elements in the clownfish Amphiprion ocellaris in the context of ocean acidification - *Hugo Jacob, Centre de recherches insulaires et observatoire de l'environnement*

TIME	EVENT
09:15 - 09:30	› CO2-induced freshwater and seawater acidification affects early growth, metabolism, olfaction and behavior in juvenile pink salmon (Oncorhynchus gorbuscha). - *Colin Brauner, University of British Columbia*
09:30 - 09:45	› Anxious about ocean acidification? Elevated carbon dioxide produces varied responses on fish anxiety-like behaviour in different species - *Trevor Hamilton, MacEwan University*
09:45 - 10:00	› Diel CO2 cycles reduce severity of behavioural abnormalities in coral reef fish under ocean acidification - *Michael Jarrold, ARC Centre of Excellence for Coral Reef Studies, James Cook University*
10:00 - 10:15	Coffee break
10:15 - 10:30	H1/ Management of coral reef' social-ecological systems (Room Mahana)
10:15 - 10:30	› Are coral reefs full of multi-coloured fish? Impact of an awareness campaign on the representations of coral reefs by children - *Pascale Chabanet, Institut de Recherche pour le Développement - Catherine Sabinot, Institut de recherche pour le Développement - Lola Massé, Réserve Naturelle Marine de La Réunion - Zola Tsipy Tantely, Institut Halieutique et des Sciences Marines - Rakamaly Madi Moussa, Institut de Recherche pour le Développement - Antoine Riou, Institut de Recherche pour le Développement - Jocelyne Ferraris, Institut de recherche pour le Développement - Georgeta Stoica, Institut de recherche pour le Développement*
10:15 - 12:00	C7/ Larval recruitment in marine and freshwater fishes: Current issues and future directions (Little theater)
10:15 - 10:30	› Environmental effects on larval swimming performance in Amphiprion chrysopterus - *Daphne Cortese, Centre de recherches insulaires et observatoire de lénvironnement*
10:30 - 10:45	› Thyroid-hormone regulated metamorphosis: a dynamic and plastic process allowing ecological and developmental coupling of life history transitions - *Vincent Laudet, OOB, UMR CNRS 7232 BIOM UPMC*
10:45 - 11:00	› Importance of metamorphosis in coral reef fish larval recruitment facing global change and water pollution - *Marc Besson, PSL Research University - EPHE-CNRS-UPVD USR3278 CRIOBE*
11:00 - 11:15	› Artificial Light At Night in the Underwater World - *Jack O'Connor, University of Melbourne*
11:15 - 11:30	› Gaining the competitive edge: is early life-history linked to post-settlement performance in a territorial reef fish? - *Emily Fobert, University of Melbourne*
11:30 - 11:45	› Otolith strontium isotope ratios identify recruitment sources of facultatively amphidromous fish in a complex riverine lake system - *Matt Jarvis, University of Otago*
11:45 - 12:00	› Are mangroves important for reef fish on the Island of Mayotte in the Indian Ocean? - *Rakamaly MADI MOUSSA, Institute for Pacific Coral Reefs*
10:15 - 12:00	D2/ Indo-Pacific Predators: Biology, ecology, conservation and management (Room Muriavai)
10:15 - 10:30	› From sink to source: effects of declining fin demand on shark fishing livelihoods in Indonesia - *Vanessa Jaiteh, Coral Reef Research Foundation Palau, Asia Research Centre, School of Management and Governance, Murdoch University, Centre for Fish and Fisheries Research, School of Veterinary and Life Sciences, Murdoch University*
10:30 - 10:45	› Shark Search Indo-Pacific: documenting the diversity, status and significance of sharks and rays - *Andrew Chin, Centre for Sustainable Tropical Fisheries and Aquaculture*
10:45 - 11:00	› Global genetic inventory of the Silky Shark (Carcharhinus falciformis), the shark finning industry, and DNA fingerprinting - *Derek Kraft, Melanie Hutchinson, Brian Bowen*
11:00 - 11:15	› Life history aspects and taxonomy of deep-sea chondrichthyans in the Southwestern Indian Ocean - *Paul Clerkin, Pacific Shark Research Center*
11:15 - 11:30	› The life history of six pelagic sharks from Papua New Guinea - *Brooke D'Alberto, James Cook University*
11:30 - 11:45	› The extinction risk status of New Zealand sharks, rays, and chimaeras - *Brit Finucci, Victoria University of Wellington*
11:45 - 12:00	› Ground truthing dermal denticles to characterize shark assemblages on Palmyra Atoll - *Erin Dillon, University of California, Santa Barbara*
10:15 - 12:00	F2/ Climate change and high CO2 effects on fishes: Moving from individual to community level effects (Big Theater)
10:15 - 10:30	› Irreversible behavioural impairment of fish starts early: embryonic exposure to ocean acidification - *Almendra Rodriguez-Dominguez, University of Adelaide*
10:30 - 10:45	› A trade-off between behavioral and physiological performance could limit adaptation to the combined effects of warming and ocean acidification in a reef fish - *Taryn Laubenstein, ARC Centre of Excellence for Coral Reef Studies*
10:45 - 11:00	› Warming has a greater effect than ocean acidification on the early life history development and swimming performance of a coastal pelagic fish, Seriola lalandi - *Philip Munday, ARC Centre of Excellence for Coral Reef Studies*
11:00 - 11:15	› Farming converts CO2 emissions into population growth by boosting crop production - *Camilo Ferreira, University of Adelaide*
11:15 - 11:30	› Species Interactions Drive Fish Biodiversity Loss in a High-CO2 World - *Ivan Nagelkerken, Southern Seas Ecology Laboratories, School of Biological Sciences, The University of Adelaide*
11:30 - 11:45	› Boosted food web productivity through ocean acidification collapses under warming - *Silvan Goldenberg, University of Adelaide*
11:45 - 12:00	› Climate change drives marine food web collapse through altered trophic flows and cyanobacterial proliferation - *Hadayet Ullah, Southern Seas Ecology Laboratories, School of Biological Sciences, The University of Adelaide*

TIME	EVENT
10:30 - 12:00	H2/ The status and opportunities of marine wildlife tourism (Room Mahana)
10:30 - 10:45	› A global review of elasmobranch tourism activities, risks and management approaches - *Teleah Healy, Centre for Sustainable Tropical Fisheries and Aquaculture*
10:45 - 11:00	› To feed or not to feed? Artificial feeding affects coral reef fish functions (Aitutaki, Cook Islands) - *Natalie Prinz, Leibniz Centre for Tropical Marine Research, University of Bremen*
11:00 - 11:15	› Fact or fiction? Influences of fish-feeding activities on fishes and reefs– an application of eco-tourism in coral reefs - *Colin Wen, Tunghai University*
11:15 - 11:30	› Site fidelity of tiger shark Galeocerdo cuvier in a feeding site for ecotourism purpose off Tahiti (French Polynesia - East Pacific) - *Eric CLUA, Centre de Recherche Insulaire et Observatoire de l'Environnement, USR3278*
11:30 - 11:45	› Assessing the dietary effects of white shark cage-diving on target and non-target species using fatty acid profiling - *Lauren Meyer, Flinders University*
11:45 - 12:00	› Dive tourists' demand for shark conservation: A travel cost and contingent behavior study - *Johanna Zimmerhackel, School of Agriculture and Environment, University of Western Australia*
12:00 - 13:00	Lunch
13:00 - 14:30	C5/ Biotelemetry (Little theater)
13:00 - 13:15	› Do Australian Bass overcome an instream barrier during migration? - *Culum Brown, Macquarie University*
13:15 - 13:30	› Navigation and homing ability in a benthic shark - *Sherrie Chambers, Macquarie University*
13:30 - 13:45	› Whale shark demography and spatial ecology in Cenderawasih Bay, West Papua, Indonesia - *Mark Erdmann, Conservation International*
13:45 - 14:00	› Multispecies presence and connectivity around a designed artificial reef off coastal Sydney, Australia - *Krystle Keller, School of Biological, Earth and Environmental Sciences, University of New South Wales*
14:00 - 14:15	› Travels with whale sharks: satellite-tracking the world's biggest fish - *Samantha Reynolds, ECOCEAN Inc*
14:15 - 14:30	› Movement, habitat preferences and behaviour of swordfish satellite tagged at the southern extent of their known range in Australia - *Sean Tracey, Institute for Marine and Antarctic Studies*
13:00 - 15:00	C3/ Fish trophic chains in the Indo-Pacific (Room Mahana)
13:00 - 13:15	› Comparative visual, molecular and stable isotope diet analysis in fishery-targeted groupers - *Jordan Matley, University of the Virgin Islands*
13:15 - 13:30	› Insights from compound-specific isotope analysis into the functional redundancy of herbivorous reef fishes - *Matthew Tietbohl, King Abdullah University of Science and Technology*
13:30 - 13:45	› Patterns of trophic structure in a complex marine food web - *Brian Zgliczynski, Scripps Institution of Oceanography*
13:45 - 14:00	› Seabird nutrients enhance fish productivity across trophic levels on coral reefs - *Nick Graham, Lancaster Environment Centre, Lancaster University*
14:00 - 14:15	› Stomach Content Analysis of Stocky Hawkfish (Cirrhitus pinnulatus) in Laie Bay, Oahu, Hawaii - *Katie Niedererr, Brigham Young University*
14:15 - 14:30	› A new method for inferring diet of coral reef fish by determining mineralized elements in situ within digestive contents using X-Ray microtomography - *Jérémie VIVIANI, Centre de recherches insulaires et observatoire de l'environnement, Institut de Génomique fonctionnelle de lyon*
14:30 - 14:45	› A reconstruction of coral reef food webs in Moorea: fish gut content metabarcoding as a tool to disentangle trophic interactions - *Jordan Casey, National Museum of Natural History, Smithsonian Institution*
14:45 - 15:00	› Spatial Variation of Environmental DNA in Coral Reef Ecosystems - *Zachary Gold, Department of Ecology and Evolutionary Biology, UCLA*
13:00 - 14:30	D2/ Indo-Pacific Predators: Biology, ecology, conservation and management (Room Muriavai)
13:00 - 13:15	› Indo-Pacific Predatory Fish Out of Context: Lionfish Invasion of Atlantic Coral Reefs - *Mark Hixon, University of Hawaii*
13:15 - 13:30	› Protected areas preserve natural behaviour of a targeted predatory fish species on coral reefs - *Brock Bergseth, Australian Research Council Centre of Excellence for Coral Reef Studies*
13:30 - 13:45	› Public Safety Implications, Ecological Impacts and Sustainability of Shark Cage-Diving Ecotourism in Hawaii. - *Carl Meyer, Hawaii Institute of Marine Biology*
13:45 - 14:00	› Understanding and quantifying shark depredation in a recreational fishery in Ningaloo Marine Park, Western Australia - *Jonathan Mitchell, The University of Western Australia*
14:00 - 14:15	› Project AIRSHIP: Spotting sharks and rays using blimp-mounted cameras for conservation and human safety - *Kye Adams, School of Biological Sciences, Faculty of Science, Medicine and Health [University of Wollongong]*
14:15 - 14:30	› Saving Devils: The Global Mobulid Conservation Programme - *Isabel Ender, James Cook University, The Manta Trust*
13:00 - 14:15	F2/ Climate change and high CO2 effects on fishes: Moving from individual to community level effects (Big Theater)

TIME	EVENT
13:00 - 13:15	› Integrating molecules and fossils reveal multiple diversification shifts in marine fishes during the Cenozoic - *DAHIANA ARCILA, The George Washington University - James Tyler, National Museum of Natural History, Smithsonian Institution*
13:15 - 13:30	› Is there a global signature of biological change in marine hotspots? - *John Morrongiello, School of BioSciences, University of Melbourne*
13:30 - 13:45	› Boundary current drives synchronous growth of marine fishes across tropical and temperate latitudes - *Joyce Ong, School of Biological Sciences, University of Western Australia, Department of Ecology, Evolution and Natural Resources, Rutgers University, Australian Institute of Marine Science*
13:45 - 14:00	› El Niño drives habitat filtering and widespread disease in the Galapagos marine fish assemblage - *Robert Lamb, Brown University*
14:00 - 14:15	› Spawning Aggregations Act as a Bottleneck Influencing Climate Change Impacts on a Critically Endangered Reef Fish - *Brad Erisman, University of Texas at Austin*
14:15 - 15:00	C6/ Connectivity and Dispersal in the Indo-Pacific (Big Theater)
14:15 - 14:30	› Paradigm Lost: Climate change will demolish the paradigm of biophysical larval-fish dispersal - *Jeffrey Leis, University of Tasmania, Australian Museum Research Institute*
14:30 - 14:45	› Low potential for adaptive evolution in a wild reef fish population - *Océane Salles, Laboratoire Évolution & Diversité Biologique*
14:45 - 15:00	› A ecologist guide to disentangling genetic and non-genetic heritabilities in wild marine fish populations, the case study of the Kimbe island orange clownfish - *Benoit Pujol, Laboratoire Évolution & Diversité Biologique (EDB UMR 5174), Université Fédérale Toulouse Midi-Pyrénées, CNRS, ENSFEA, IRD, UPS, France.*
15:00 - 17:00	Bleeker Awards & Closing Ceremony (Big Theater)

Saturday, October 7, 2017

TIME	EVENT
07:00 - 16:00	Excursion Tahiti, Moorea, Tetiaroa

Posters
Posters & flash-talks

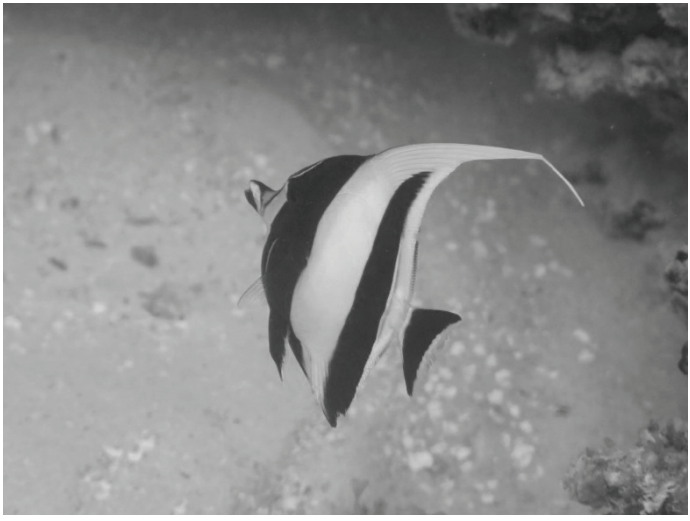
TOPIC	AUTHORS	AFFILIATIONS
A1	Awesome variation in genomic organization in polyploid Acipenseriformes **Barmintseva Anna**	Russian Federal Research Institute of Fisheries and Oceanography (Russia)
A2	Draft assembly and annotation of A. glossodonta and A. vulpes genomes **Kauwe Keoni**	Brigham Young University (United States)
A2	Time-calibrated Phylogenomic Reconstruction of Batfishes (Lophiiformes: Ogcocephalidae) **Chen Cerise**	Department of Ecology and Evolutionary Biology [UC Santa Cruz] (United States)
A3	Ontogenetic and phylogenetic simplification during white stripe evolution in anemonefish **Salis Pauline**	OOB, UMR CNRS 7232 BIOM UPMC (France)
A3	Convergent evolution in the lateral line system between two subfamilies of Apogonidae: a view from the innervation **Sato Mao**	Laboratory of Marine Biology, Faculty of Science, Kochi University (Japan)
A3	Taxonomic review of the genus Kaiwarinus Suzuki 1962 (Perciformes: Carangidae) **Kimura Seishi**	Fisheries Reserch Laboratory, Mie University (Japan)
A3	The Osumi Line: a newly recognized major biogeographical boundary line for fishes in southern Japan **Motomura Hiroyuki**	The Kagoshima University Museum (Japan)
A3	Two undescribed species of the genus Iniistius (Labridae) from Australia and the Philippines **Fukui Yoshino**	The United Graduate School of Agricultural Sciences, Kagoshima University (Japan)
A3	Review of the Indo-West Pacific genus Parapterois (Scorpaenidae: Pteroinae) **Matsunuma Mizuki**	Laboratory of Marine Biology, Faculty of Science, Kochi University (Japan)
A4	Breakdown in assortative mating leads to hybrid swarm in pygmy angelfishes **Sinclair-Taylor Tane**	Reef Ecology Lab, King Abdullah University of Science and Technology (Saudi Arabia)
A5	Molecular phylogenetics and the diversification of the gobioid fishes **Kon Takeshi**	University of the Ryukyus (Japan)
A5	Gonad Structure of Juveniles of the Hermaphroditic Goby Species, Eviota epiphanes **De Souza Brasil Barreto Helena**	University of Hawaii at Manoa (United States)
A5	New data on the distribution of the fossil gobiiform fishes in the Miocene of the Eastern Paratethys **Bannikov Alexander**	Borisyak Paleontological Institute of the Russian Academy of Sciences (Russia)
C4	Sound production mechanism in the boxfish Ostracion meleagris and O. cubicus **Parmentier Eric**	Laboratory of Functional and Evolutionary Morphology (Belgium)
C4	Assessing ecological implications of boat noise disturbance on coral reef fish communities **Weschke Emma**	University of Exeter (United Kingdom)

TOPIC	AUTHORS	AFFILIATIONS
C8	Recruitment of Anguilla japonica glass eels in the Yangtze Estuary, China in relation to environmental variables **Guo Hongyi**	College of Fisheries and Life Science, Shanghai Ocean University (China)
D1	Long-term biological monitoring and stable isotope analysis of Aetobatus narutobiei in Ariake Bay, Japan: Feeding ecology and foraging impact on bivalve fisheries **Yamaguchi Atsuko**	Nagasaki University (Japan)
D1	Taxonomic review of the longnose dogfish genus Deania (Centrophoridae) from Japan **Tanaka Sho**	Tokai University, School of Marine Science and Technology (Japan)
D1	Whale Shark (Rhincodon typus) Habitat Use at an Aggregation in the Saudi Arabian Red Sea **Hardenstine Royale**	Red Sea Research Center Division of Biological and Environmental Engineering (Saudi Arabia)
D1	Are we underestimating elasmobranch abundances on BRUVS by using traditional metrics? **Sherman Samantha**	James Cook University (Australia)
D1	Comparative behavioral and physiological response to longline capture in elasmobranchs **Talwar Brendan**	Cape Eleuthera Institute (Bahamas)
D2	First characterization of the Cookie-cutter sharks (Isistius sp.) predation pattern on different cetacean species in Martinique (FWI) **Scanga Virginie**	Aquasearch-Polynésie (French Polynesia)
E4	New records of the distribution of four grenadier fishes of the genus Macrourus (Gadiformes: Macrouridae) in the southeast Atlantic and west Indian Ocean sectors of the Southern Ocean based on genetic and morphological analyses of samples from the toothfish longline fishery **Mcmillan Peter**	National Institute of Water and Atmospheric Research Ltd (New Zealand)
F1	Juvenile fish resources and nursery function of macroalgal beds in Hong Kong waters ? a habitat-based study **Leung Priscilla To-Yan**	Shenzhen Key Laboratory for the Sustainable Use of Marine Biodiversity, Research Centre for the Oceans and Human Health, City University of Hong Kong Shenzhen Research Institute (China)
F2	The Impact of Change Climate on Nearshore Coral Reef Fisheries in American Samoa **Ochavillo Domingo**	Department of Marine and Wildlife Resources-American Samoa (American Samoa)
F2	Are all tropical fishes that occur in Japanese temperate reefs tropical vagrants? **Nakamura Yohei**	Kochi University (Japan)
F2	Impact of ocean acidification on the early development and C-start escape behaviour of marine medaka (Oryzias melastigma) **Wang Xiaojie**	Shanghai Ocean University (China)

TOPIC	AUTHORS	AFFILIATIONS
F5	Mechanistic understanding of climate driven range shifts: using thermal tolerances of rock lobster to predict future range shifts **Pecl Gretta**	Institute for Marine and Antarctic Studies (Australia)
I1	Gendered differences in authorship patterns in tropical fish biology **Riginos Cynthia**	University of Queensland (Australia)
I1	Marine science: a life of adventure? **Fobert Emily**	University of Melbourne (Australia)
I1	Field surveys, research, and outreach activities for public awareness of the conservation of diadromous fishes **Kuroki Mari**	Graduate School of Agricultural and Life Sciences, The University of Tokyo (Japan)
I2	Addressing common criticisms of studies of sexual selection on females using a natural population of live-bearing fish **Izumiyama Michael**	San Francisco State University (United States)
I2	How many fishes are there in the NZ region and how many can be identified? Recent figures may be 700 species short **Roberts Clive**	Museum of New Zealand Te Papa Tongarewa (New Zealand)
I2	Food web structure analysis of riverine fish community in middle stream of the Ano River, central Japan **Yodo Taiga**	Mie University (Japan)
I2	Preliminary study on the species, distribution, and abundance of freshwater eels, genus Anguilla inhabiting rivers in Samoa **Yamamoto Shozo**	Japan International Cooperation Agency (Samoa)
I2	An undescribed species of the genus Pherallodichthys (Gobiesocidae) from southern Japan **Fujiwara Kyoji**	The Graduate School of Fisheries, Kagoshima University (Japan)
I2	DNA barcoding of the family Sparidae along the coast of China and revelation of cryptic diversity in the Indo-West Pacific oceans based on COI and 16S rRNA genes **Liu Jing**	Institute of Oceanology, Chinese Academy of Sciences, Qingdao 266071, PR China (China)
I2	Taxonomic and ecological studies on Abudefduf caudobimaculatus and Abudefduf vaigiensis (Perciformes: Pomacentridae) **Wibowo Kunto**	Research Center for Oceanography, Indonesian Institute of Sciences (Indonesia)
I2	Integrative research on body nutrition and population density of Chinese marine fishes **Xiong Wenhua**	Institute of Zoology, Chinese Academy of Sciences (China)

ORDER	TOPIC	TITLE	AFFILIATION
1	A2	The Genomic Observatories Metadatabase (GeOMe): A new repository for field and sampling event metadata associated with genetic samples **Crandall Eric**	California State University Monterey Bay (United States)
2	A2	Long live the kingfish: patterns and processes of evolution in carangiform fishes **Glass Jessica**	Yale University (United States)
3	A3	Integrating morphology and genetics to study the larval community of gobies in the central Arabian Red Sea **Isari Stamatina**	Red Sea Research Center - King Abdullah University of Science and Technology (Saudi Arabia)
4	A3	Species grouping within the genus Apristurus Garman, 1913 using dermal denticles **Cordova Justin**	Moss Landing Marine Laboratories (United States)
5	A4	Environmental drivers of Pomacentridae distribution and abundance in American Samoa **Vaeoso Motusaga**	American Samoa Department of Marine and Wildlife Resources (American Samoa)
6	A4	The reefish Atlas **Guilhaumon François**	MARine Biodiversity Exploitation and Conservation (France)
7	A5	Characterization of hybridization within a secondary contact region of the inshore fish, Bostrychus sinensis, in the East China Sea **Ding Shaoxiong**	State Key Laboratory of Marine Environmental Science, Xiamen University, Xiamen 361012, China (China)
8	A5	Comparative assessment of morphological and pigmentation characters during larval development of species of 10 genera of F. Gobiidae and one genus of F. Eleotridae **Miskiewicz Tony**	Wollongong City Council (Australia)
9	C1	Responses of coral reef fishes to predation risk **Craig Maddison**	College of Marine & Environmental Sciences, James Cook University (Australia)
10	C2	Molecular phylogeny of obligate fish parasites of the family Cymothoidae (Isopoda, Crustacea): Evolution of the attachment mode to host fish and the habitat shift from saline water to freshwater **Hata Hiroki**	Ehime University (Japan)
11	C8	Effect of the 2011 Tsunami disaster accompanying the Great East Japan Earthquake on the population dynamics of Japanese tube snout Aulichthys japonicus **Katayose Go**	School of Marine Biosciences, Kitasato University (Japan)

ORDER	TOPIC	TITLE	AFFILIATION
12	C8	Fish sampling like nowhere else: remote video methods for studying fish populations in a croc infested, turbid, macrotidal system **Piggott Camilla**	University of Western Australia (Australia)
13	D2	What Are They Doing Down There: An Investigation of Multiple Paternity in a Deep-Sea Shark **Nehmens Melissa**	Pacific Shark Research Center at Moss Landing Marine Laboratories (United States)
14	E4	Estimates of divergence times in the two monotypic genera of the family Anoplomatidae based on mitochondrial DNA sequences **Orlova Svetlana**	Russian Federal Research Institute of Fisheries and Oceanography (Russia)
15	F2	Geographic distributions and assemblages of Labrids along the south west coast of Western Australian over the past decade **Parker Jack**	Curtin University (Australia)
16	F4	Molecular basis of sex-dependent heritability of CO2 tolerance in a coral reef fish **Monroe Alison**	KAUST Environmental Epigenetic Program (Saudi Arabia)
17	F4	From desert to sea: mechanisms Arabian killifish use to acclimate to high salinities in the Red Sea **Bonzi Lucrezia C.**	Red Sea Research Center (Saudi Arabia)
18	I2	Species composition and assemblages of ichthyoplankton during summer in the East China Sea **Lin Han-Yang**	Institute of Marine Science, The University of Auckland (New Zealand)
19	I2	A Possible Artificial Intelligence Ecosystem Avatar: the Moorea case (IDEA) **Barriot Jean-Pierre**	Geodesy Observatory of Tahiti, University of French Polynesia (French Polynesia)

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