

SERGE PLANES

CRIOBE - Perpignan
USR 3278 EPHE CNRS UPVD(CBETM)
Centre de Biologie et d'Ecologie Tropicale et
Méditerranéenne
Université de Perpignan, 66860 Perpignan CEDEX
France
Tel : +33 (0)4 68 66 17 11 (France)
Fax : +33 (0)4 68 50 36 86 (France)

CRIOBE - Moorea
USR 3278 EPHE CNRS UPVD (CRIOBE)
Centre de Recherches Insulaires et Observatoire de
l'Environnement
BP 1013, 98 729, Papetoai, Moorea
Polynésie française
Tel : +689 56 13 45 (French Polynesia)
Fax : +689 56 28 15 (French Polynesia)

Email serge.planes@ephe.sorbonne.fr
serge.planes@criobe.pf

[Google Scholar](#)
[ResearchGate](#)

DIRECTION

- Director of USR 3278 CRIOBE - CNRS-EPHE-UPVD (www.criobe.pf) - 2007 – 2019
- Director LABEX « CORAIL » (PSL-EPHE-PIA- www.labex-corail.fr) 2010 – present
- Director IRCP 'Pacific Coral Reef Institute' (EPHE) - 2009 – present
- Director of Observation Service SNO CORAIL (INSU) (www.criobe.pf/observatoire) – 2007 – present
- Coordinator of the Environment Centre of the I'IDEX Paris Sciences and Letters – 2015 – 2020
- Director of Science, Tara Pacific Expedition (www.taraexpeditions.org) – 2015 – present

AWARDS

- Knight in the French National Order of Merit (2019)
- Knight in the Legion of Honor (2022)

EDUCATION

- **Capacity to Direct Research (HDR)**, University of Perpignan (September 1996)
Title: Evolutionary importance of the pelagic larval phase of fish: influence on the genetic diversity of species and populations.
- **Post-doctoral research fellow**, Australian Institute of Marine Science (1992 – 1993, Townsville, Australia)
- **Doctoral Thesis**, Paris University VI. (March 1992)
Title: Spatial dispersion scales of reef fish larvae in French Polynesia: influence on the geographical differentiation of populations.

EMPLOYMENT

Highlights

- Director of Research CNRS (DRHC) - Section 29 (2019)
- Adjunct Professor at the Australian Institute of Marine Science (2019)
- Directeur d'Etudes Cumulant EPHE (SVT)

- Director of the LABEX « CORAIL » (PSL-EPHE-Programme d'Investissements d'avenir)
- Director of the IRCP 'Institut des Récifs Coralliens du Pacifique' (EPHE)
- Responsible for the Pôle Environnement de l'Université Paris Sciences et Lettres

Detail

2019 - present	Director of Research, Hors Classe, CNRS (DRHC) – Section 29
2019 – present	Adjunct Professor at the Australian Institute of Marine Science
2010 – 2019	Director of Research, First Class, CNRS (DR1) – Section 29
2008 – present	Adjunct Professor at the Ecole Pratique des Hautes Etudes
2004 - 2010	Director of Research, CNRS (DR2)
1997 - 2004	Research Officer, CNRS (CR1)
1999	In 1999, 6-months spent at the laboratory of Professor Giacomo Bernardi (University of California - Santa Cruz). Training in molecular biology techniques to then understand population genetics on genomic bases.
1993 - 1997	Research Officer, CNRS (CR2)

SCIENTIFIC ADVISORY POSITIONS

- Member elected to the Scientific Council of the EPHE - 2018 - in progress
- Member of the Scientific Council of the French Biodiversity Agency - 2016 - in progress
- French Expert at the Ministry of Ecological and Solidarity Transition and the Ministry of Foreign Affairs for the International Coral Reef Initiative (ICRI) - 2007 - in progress

PUBLIC - PRIVATE PARTNERSHIPS

Business creation

- Creation and partner in the company Marepolis (www.marepolis.fr) with 3 former PhD students (Anne Tessier, Rita Sahyoun, Bertrand Cazalet) of USR 3278 in 2015
- Partner in the creation of Blue Finance (www.blue-finance.org) with 1 former doctoral student (Nicolas Pascal) of USR 3278 in 2016

Public-Private Partnership

- Elected member of the SAIC Supervisory Board of the EPHE - 2018 – ongoing
- Member of the Board of Directors "Fa'ahotu" business cluster in French Polynesia (2011-2018)

GENERAL

Research Focus	Marine Ecology/ Coral Reefs / Dispersal / Connectivity / Population Genetics / Molecular Genetics
Teaching	Masters level: Population Genetics / Phylogeography (10h /yr) e-learning: Development of an interactive teacher-training course at the EPHE
Expert Committees	22 university thesis committees, 10 HDR (Accreditation to Supervise Research juries and 6 tenure committees (USA)
Boating and Diving	Hyperbaric Chamber Certification, Class II B (1996)

Scientific Dive Instructor Training (1991)
Boating License A

Animal Experimentation

Level 1 Training (Experimental Methods) (1994)
Authorization to conduct experiments on animals n° 006725 (1995)
(Fundamental Research: Examination and Sampling on Animals under anaesthesia)

SUMMARY

Serge Planes has been involved in the study of the genetics of marine fish populations since the beginning of his career, which began with his PhD in 1989. Over the past 20 years, he has published more than 185 articles in international journals dealing with the genetics of coral reef fish populations but also, more generally, with ecology, ecology of marine protected areas and recruitment of marine fish. An analysis of research on coral reef ecosystems in the last decade (1995-2005), conducted by the Institute for Scientific Information of the Thomson Reuters Agency, ranks his work as #19 in the world, among more than 5060 authors (see <http://esi-topics.com/coralreef>). This international recognition has led to an invitation to join the Australian Centre of Excellence on Coral Reefs, which has only 2 non-Australian members. His early work suggested that connectivity in the marine environment and coral reefs is much more restricted in space than was generally accepted before the 1990s. Most recent work using genetic markers and other techniques has confirmed these early results by demonstrating that self-recruitment in marine populations is a major process to be taken into account in conservation policies. This work has led the international community to consider that marine systems are less dispersive, in contrast to what people believed until the 1990s. More recently, the first application of kinship analysis methods to the marine world has opened the way to new questions about the very evolution of dispersal in marine species.

Serge Planes was the director of CRIOBE for 12 years (2007-2018), a somewhat unique USR (3278), located on 2 sites (Perpignan and Moorea) and with 3 'tutelles', or French research organizations as guardians (EPHE, CNRS, UPVD). The Perpignan centre, based on the campus of the University of Perpignan is a traditional university-associated centre, while the CRIOBE centre in Moorea, French Polynesia, represents a real challenge as it constitutes a marine station, with a capacity to host 30 visitors. The Moorea centre welcomes around 150 researchers and students every year. It attracts people at both the national and international levels.

At the national level, Serge Planes heads the LabEx "CORAIL", which brings together all of France's scientists working on ecology and related issues on coral reefs. This project brings together more than 80 scientists involved in coral reef knowledge from the 9 main French institutions (EPHE, University of Reunion, University of New Caledonia, University of French Polynesia, University of the West Indies, IRD, Ifremer, CNRS-INEE and EHESS) and constitutes the image of French research in coral reefs.

Finally, Serge Planes was appointed to the scientific direction of the Tara Pacific expedition, which was launched in May 2016 and lasted more than 2 years across the Pacific Ocean. Tara Pacific is a scientific expedition, but it is also the coordination of a consortium of nearly 20 researchers from more than 8 different organisations that represents a real scientific and organizational challenge. This expedition, mounted with the support of the Genoscope, will make it possible to acquire the largest genomic base on coral in existence, with a specific focus on the microbiome.

PERFORMANCE INDICES

Research Contracts

More than 90 research contracts since 1995
Roughly 20 M€ in total managed contracts

Direction of Research

Supervision of 24 Post-Doctoral Researchers (4 in progress)
Supervision of 25 PhD theses (5 in progress)
Supervision of 72 Master Research projects

Field Work

On average, 2 to 3 field trips of 2 to 8 weeks duration, annually since 1990
Nearly 58 islands in French Polynesia visited and sampled
(all of the Marquise Islands, all of the Australes, all of the Gambiers, 10 of the Society Islands, 30 atolls in the Tuamotu)
6 field seasons on the Great Barrier Reef (Australia)
14 field trips in Papua New Guinea
A variety of field trips throughout the Pacific (Taiwan, Philippines, Palau, Guam, Hawaii, Fiji, Solomon Islands, New Caledonia, Entrecasteaux, Coral Sea, Wallis, Samoa, Tonga, Cook Islands, Pitcairn, Futuna)
A variety of field trips in the Indian Ocean (Oman, Kuwait, Reunion Island, Madagascar, Mayotte, Glorieuses, Mozambique, Tanzania)

Publications (Google Scholar)

Total citations : 18795 (7645 since 2017)
h-index : 69
i10-index : 222
4 articles recommended in Faculty 1000 (1 Science, 1 Nature)

Conferences :

more than 100 seminars and presentations at National congresses and International congresses, including 17 as guest speaker.

RESEARCH CONTRACTS

In total, I have coordinated or participated in nearly 90 regional or territorial (in the context of Polynesia), national or international research contracts for a total amount of nearly 22 million euros managed over 25 years of career. The following list highlights the main contracts.

- 1 PIA contract - LabEx CORAIL project as coordinator (€6.5 million)
- 8 European contracts, including 1 as coordinator and 6 as Work Package leader (€2.9m)
- 6 ANRs, including 2 ANRs as coordinator and 4 ANRs as collaborator (€1.0m)
- 1 contract with France Genomique as coordinator (€1.2 million)
- 6 contracts with Foundations (Total, Moore) including 3 as coordinator (€1.5m)
- 5 contracts with the Agency for Marine Protected Areas (AFB at present) as coordinator (900 K€)
- 3 regional contracts with the Languedoc-Roussillon and Occitanie region and the CG des Pyrénées Orientales (€1.2 million)
- 7 State-Territory contracts in French Polynesia, including 3 as coordinator and 1 as partner (€2 million)
- 12 contracts with the Environment Department in Polynesia (€1.0 million)
- 9 contracts with the Marine and Mining Resources Department in Polynesia (€1.4 million)

LISTE COMPLÈTE DES PUBLICATIONS (1990-2021)

2021

- (301) Blanco A, Beger M, **Planes S**, Miller M, Olabarria C. 2021. Estimating benthic trophic levels to assess the effectiveness of marine protected area management. *Science of the Total Environment*, 790: 148234.
- (318) Wicquart J, Gudka M, Obura D, Logan M, Staub F, Souter D, **Planes S**. 2021. A workflow to integrate ecological monitoring data from different sources. *Ecological Informatics*, 68: 101543.
- (319) Strona G, Beck PSA, Cabeza M, Fattorini S, Guilhaumon F, Micheli F, Montano S, Ovaskainen O, **Planes S**, Veech JA, Parravicini V. 2021. Ecological dependencies make remote reef fish communities most vulnerable to coral loss. *Nature Communications*, 12: 1-10.
- (317) Dubè C, Ziegler M, Mercière A, Boissin E, **Planes S**, Bournaud CA-F, Voosltra CR. 2021. Naturally occurring fire coral clones demonstrate a genetic and environmental basis of microbiome composition. *Nature Communication*, 12: 1-12.
- (297) Vazquez-Luis M, Nebot-Colomer E, Deudero S, **Planes S**, Boissin E. 2021. Natural hybridization between pen shell species: *Pinna rudis* and the critically endangered *Pinna nobilis* may explain parasite resistance in *P. nobilis*. *Molecular Biology Reports*, 48: 997-1004.
- (312) Pearman JK, von Ammon U, Laroche O, Zaiko A, Wood SA, Zubia M, **Planes S**, Pochon X. 2021. Metabarcoding as a tool to enhance marine surveillance of nonindigenous species in tropical harbors: a case study in Tahiti. *Environmental DNA*, 3: 173-189.
- (313) Le Luyer J, Schull Q, Auffret P, Lopez P, Crusot M, Belliard C, Basset C, Carradec Q, Poulain J, **Planes S**, Saulnier D. 2021. Dual RNAseq highlights the kinetics of skin microbiome and fish host responsiveness to bacterial infection. *Animal microbiome* 3 (1), 1-15
- (307) Liggins L, Kilduff L, Trnski T, Delrieu-Trottin E, Carvajal JI, Arranz V, **Planes S**, Saenz-Agudelo P, Aguirre JD. 2021. Morphological and genetic divergence supports peripheral endemism and a recent evolutionary history of Chrysiptera demoiselles in the subtropical South Pacific. *Coral Reefs*, 1-16
- (315) Riquet F, De Kuyper C-A, Fauvelot C, Airoidi L, **Planes S**, Frascchetti S, Mačić V, Milchakova N, Mangialajo L, Bottin L. 2021. Highly restricted dispersal in habitat-forming seaweed may impede natural recovery of disturbed populations. *Scientific Reports* 11 (1), 1-15
- (305) Bouyoucos IA, Trujillo JE, Weideli OC, Nakamura N, Mourier J, **Planes S**, Simpfendorfer CA, Rummer JL. 2021. Investigating links between thermal tolerance and oxygen supply capacity in shark neonates from a hyperoxic tropical environment. *Science of the Total Environment* 782, 146854
- (314) Ardura A, Gonzalez-Sanz A, Clua L, **Planes S**, Garcia-Vazquez E. 2021. Beware of oysters. Rapid advance of non-native species in tropical Pacific islands. *Marine Environmental Research* 170, 105436
- (309) Strona G, Lafferty KD, Fattorini S, Beck PSA, Guilhaumon F, Arrigoni R, Montano S, Seveso D, Galli P, **Planes S**, Parravicini V. 2021 Global tropical reef fish richness could decline by around half if corals are lost. *Proceedings of the Royal Society B* 288 (1953), 20210274.
- (316) Papastamatiou YP, Iosilevskii G, Di Santo V, Huveneers C, Hattab T, **Planes S**, Ballesta L, Mourier J. 2021. Sharks surf the slope: Current updrafts reduce energy expenditure for aggregating marine predators. *Journal of Animal Ecology*
- (302) Salis P, Roux N, Huang D, Marcionetti A, Mougnot P, Reynaud M, Salles O, Salamin N, Pujol B, Parichy DM, **Planes S**, Laudet V. 2021. Thyroid hormones regulate the formation and environmental plasticity of white bars in clownfishes. *Proceedings of the National Academy of Sciences* 118 (23)
- (303) Ardura A, Fernandez S, Haguenaue A, **Planes S**, Garcia-Vazquez E. 2021. Ship-driven biopollution: How aliens transform the local ecosystem diversity in Pacific islands. *Marine Pollution Bulletin* 166, 112251
- (300) Peyran C, Boissin E, Morage T, Nebot-Colomer E, Iwankow G, **Planes S**. 2021. Genetic homogeneity of the critically endangered fan mussel, *Pinna nobilis*, throughout lagoons of the Gulf of Lion (North-Western Mediterranean Sea). *Scientific Reports* 11 (1), 1-12.
- (289) Mourier J, Claudet J, **Planes S**. 2021. Human-induced shifts in habitat use and behavior of a marine predator: the effects of bait provisioning in the blacktip reef shark. *Animal Conservation* 24 (2), 230-238.
- (298) Mourier J, **Planes S**. 2021. Kinship does not predict the structure of a shark social network. *Behavioral Ecology* 32 (2), 211-222.

- (277) Riaux-Gobin C, Ashworth MP, Kociolek JP, Chevallier D, Saenz-Agudelo P, Witkowski A, Daniszewska-Kowalczyk G, Gaspar C, Lagant M, Tournon M, Carpentier A, Stabile V, **Planes S**. 2021. Epizoic diatoms on sea turtles and their relationship to host species, behavior, and biogeography: a morphological approach. *European Journal of Phycology*, 1-14.
- (310) Stenger P-L, Ky C-L, Reisser C, Cosseu C, Grunau C, Mege M, **Planes S**, Vidal-Dupiol J. 2021. Environmental-driven color variation in the pearl oyster *Pinctada margaritifera var cumingii* (Linnaeus, 1758) is associated with differential methylation of CpGs in pigment and biomineralization related genes. *Frontiers in genetics* 12, 322
- (286) Carradec Q, Poulain J, Boissin E, Hume BCC, Voolstra CR, Ziegler M, Engelen S, Cruaud C, **Planes S**, Wincker P. 2021. Author Correction: A framework for in situ molecular characterizations of coral holobionts using nanopore sequencing. *Scientific Reports* 11 (1), 1-2.
- (286) Carradec Q, Poulain J, Boissin E, Hume BCC, Voolstra CR, Ziegler M, Engelen S, Cruaud C, **Planes S**, Wincker P. 2021. A framework for in situ molecular characterizations of coral holobionts using nanopore sequencing. *Scientific Reports*, 10, 15893.
- (311) Schoen AN, Bouyoucos IA, Anderson GW, Wheaton CJ, **Planes S**, Mylniczenko ND, Rummer JD. 2021. Simulated heatwave and fishing stressors alter corticosteroid and energy balance in neonate blacktip reef sharks, *Carcharhinus melanopterus*. *Conservation Physiology* 9 (1), coab067
- (306) Feeney WE, Bertucci F, Gairin E, Siu G, Waqalevu V, Antoine M, Lison de Loma T, **Planes S**, Galzin R, Lecchini D. 2021. Long-term relationship between farming damselfish, predators, competitors, and benthic habitat on coral reefs of Moorea Island. *Scientific Reports* 11 (1), 1-8
- (304) Stenger PL, Ky CL, Reisser C, Duboisset J, Dicko H, Durand P, Quintric L, **Planes S**, Vidal-Dupiol J. 2021. Molecular pathways and pigments underlying the color of the pearl oyster *Pinctada margaritifera vr cumingii* (Linnaeus 1758). *Gene*, 12, 421.

2020

- (299) Leung PTY, Ma KY, Liu M, **Planes S**, Sadovy de Mitcheson Y. 2020. Population genetic structure of a marine pelagic egg producer and popular marine aquarium species, the mandarin fish, *Synchiropus splendidus*. *Zoological studies* 59: 59-68.
- Boissin, E., Neglia, V., Baksay, S., Micu, D., Bat, L., Topaloglu, B., Todorova, V., Panayotova, M., Kruschel, C., Milchakova, N., Voutsinas, E., Beqiraj, S., Nasto, I., Aglieri, G., Taviani, M., Zane, L., **Planes, S.**, 2020. Chaotic genetic structure and past demographic expansion of the invasive gastropod *Tritia neritea* in its native range, the Mediterranean Sea. *Scientific Reports*, 10: 21624.
- Ian A Bouyoucos, Sue-Ann Watson, Serge Planes, Colin A Simpfendorfer, Gail D Schwieterman, Nicholas M Whitney, Jodie L Rummer. 2020. The power struggle: assessing interacting global change stressors via experimental studies on sharks. *Scientific Reports* 10 (1), 1-12
- Ian A Bouyoucos, Phillip R Morrison, Ornella C Weideli, Eva Jacquesson, Serge Planes, Colin A Simpfendorfer, Colin J Brauner, Jodie L Rummer. 2020. Thermal tolerance and hypoxia tolerance are associated in blacktip reef shark (*Carcharhinus melanopterus*) neonates. *Journal of Experimental Biology* 223 (14): jeb221937. DOI: <https://doi.org/10.1242/jeb.221937>
- Carradec, Q., Poulain, J., Boissin, E., Hume, B.C.C., Voolstra, C.R., Ziegler, M., Engelen, S., Cruaud, C., **Planes, S.**, Wincker, P., 2020. A framework for in situ molecular characterization of coral holobionths using nanopore sequencing. *Scientific Reports*, 10: 15893.
- Clua, E.G., Linnell, J.D.C., **Planes, S.**, Meyer, C.G., 2020. Selective removal of problem individuals as an environmentally responsible approach for managing shark bites on humans. *Ocean and Coastal Management*, 194: 105266.
- Dubé, C.E., Boissin, E., Mercière, A., **Planes, S.**, 2020a. Parentage analyses identify local dispersal events and sibling aggregations in a natural population of *Millepora* hydrocorals, free-spawning marine invertebrate. *Molecular Ecology*, doi: 10.1111/mec.15418. IF 6.131.
- Dubé, C.E., Bournaud, A.F., Mercière, A., **Planes, S.**, Boissin, E. 2020b. *Ecology, biology and genetics of Millepora hydrocorals on coral reefs*: 15-50. In: *Invertebrates Ecophysiology and Management*, Eds. S. Ray, G. Diarte-Plata, R. Escamilla-Montes, IntechOpen.
- Feio MJ, Filipe AF, Garcia-Raventos A, Ardura A, Calapez AR, Pujante AM, Mortagua A, Murria C, Diaz-de-Quijano D, Martins F, Duarte S, Sainz Barriain M, Cordeiro R, Rivera SF, Vaisanen LOS, Fonseca A, Goncalves V, Garcia-Vazquez E, Rodriguez DV, Ivanova EA, Costa FO, Barquin J, Rojo V, Vierna J, Fais M, Suarez M, Nieminen M, Hammers-Wirtz M, Kolmakova O, Trusova MY, Beja P, Gonzalez R, **Planes S**, Almeida SFP. 2020. Advances in the use of molecular tools in ecological and biodiversity assessment of aquatic ecosystems. *Limnetica* 39 (1) 419-440.

- Dzimban, Sebastian Steinau, F Tettich, **S Planes**, D Allemand, S Agostini, B Banaigs, E Boissin, E Boss, E Douville, D Forcioli, P Furla, PE Galand, MB Sullivan, É Gilson, F Lombard, C Moulin, S Pesant, J Poulain, S Reynaud, S Romac, S Sunagawa, OP Thomas, R Troublé, C de Vargas, R Vega Thurber, CR Voolstra, P Wincker, D Zoccola, C Bowler, G Gorsky, Y Rudich, A Vardi, I Koren. 2020. Tara Pacific Expedition's Atmospheric Measurements of Marine Aerosols across the Atlantic and Pacific Oceans: Overview and Preliminary Results. *BAMS*. 101, 5: E536-E554.
- García-March JR, Tena J, Henandis S, Vázquez-Luis M, López D, Téllez C, Prado P, Navas JI, Bernal J, Catanese G, Grau A, López-Sanmartín M, Nebot-Colomer E, Ortega A, **Planes S**, Kersting D, Jimenez S, Hendriks I, Moreno D, Giménez-Casaldueiro F, Pérez M, Izquierdo A, Sánchez J, Vicente N, Sanmarti N, Guimerans M, Crespo JL, Valencia JM, Torres J, Barrajon A, Álvarez E, Peyran C, Morage T, Deudero S. 2020. Can we save a marine species affected by a highly infective, highly lethal, waterborne disease from extinction? *Biological Conservation*, 243, 108498
- E Garcia-Vazquez, A Ardura, **S Planes**. 2020. DNA mtCOI Barcodes for Maritime Biosecurity: A Proof of Concept in French Polynesia Ports. *Frontiers in Ecology and Evolution* 8. DOI: [10.3389/fevo.2020.00179](https://doi.org/10.3389/fevo.2020.00179). (IF 2.416)
- Daphné Grulois, Raissa Iris Hogan, Stéphane Paygambar, **Serge Planes**, Cécile Fauvelot. 2020. New microsatellite DNA markers to resolve population structure of the convict surgeonfish, *Acanthurus triostegus*, and cross-species amplifications on thirteen other Acanthuridae. *Molecular Biology Reports* 47 (10), 8243-8250.
- Irán A Guzmán-Méndez, Renata Rivera-Madrid, **Serge Planes**, Emilie Boissin, Aldo Cróquer, Esteban Agudo-Adriani, Carlos González-Gándara, Horacio Perez-España, Ana Giro-Petersen, Jenny Luque, María del C García-Rivas, Margarita Aguilar-Espinosa, Jimmy Arguelles Jiménez, Jesus E Arias-González. 2020. Genetic connectivity of lionfish (*Pterois volitans*) in marine protected areas of the Gulf of Mexico and Caribbean Sea. *Ecology and Evolution* 10 (9), 3844-3855
- Mourier, J., Claudet, J., **Planes, S.**, 2020. Human-induced shifts in habitat use and behaviour of a marine predator: the effects of bait provisioning in the black tip reef shark. *Animal Conservation*, doi: 10.1111/acv.12630. IF 2.02.
- Peyran C, **Planes S**, Tolou N, Iwankow G, Boissin E. 2020. Development of 26 highly polymorphic microsatellite markers for the highly endangered fan mussel *Pinna nobilis* and cross-species amplification. *Molecular Biology reports*, 19.
- Céline MO Reisser, Romain Le Gendre, Cassandre Chupeau, Alain Lo-Yat, **Serge Planes**, Serge Andréfouët. 2020. Correction: Reisser, CMO et al. Population Connectivity and Genetic Assessment of Exploited and Natural Populations of Pearl Oysters within a French Polynesian Atoll Lagoon. *Genes* 11 (11), 1358.
- Céline MO Reisser, Romain Le Gendre, Cassandre Chupeau, Alain Lo-Yat, **Serge Planes**, Serge Andréfouët. 2020. Population Connectivity and Genetic Assessment of Exploited and Natural Populations of Pearl Oysters within a French Polynesian Atoll Lagoon. *Genes* 11 (4), 426.
- JL Rummer, IA Bouyoucos, J Mourier, N Nakamura, **S Planes**. 2020. Responses of a coral reef shark acutely exposed to ocean acidification conditions. *Coral Reefs* 39 (5), 1215-1220
- Salles OC, Almany GR, Berumen ML, Jones GP, Saenz-Agudelo P, Srinivasan M, Thorrold SR, Pujol B, **Planes S**. 2020. Strong habitat and weak genetic effects shape the lifetime reproductive success in a wild clownfish population. *Ecology Letters*, 23 (2), 265-273.
- Suarez-Menendez M, **Planes S**, Garcia-Vazquez E, Ardura . 2020. Assessment of nuisance species in a coastal lagoon through eDNA metabarcoding. *Frontiers in Ecology and Evolution*, 8, 9.
- Tardy, C., Planes, S.,** Jung, J.L., Ody, D., **Boissin, E.**, 2020. Characterization of 25 new microsatellite markers for the fin whale (*Balaenoptera physalus*) and cross-species amplification in other cetaceans. *Molecular Biology Reports*, <https://doi.org/10.1007/s11033-020-05757-0>. IF 1.402.

2019

275. Boissin E, Pogoreutz C, Pey A, Gravier-Bonnet N, **Planes S**, 2019. *Millepora platyphylla* (Cnidaria, Hydrozoa) range extended back to the Eastern Pacific, thanks to a new record from Clipperton Atoll. *Zootaxa* 4668, 599-600.
274. Boissin E, Thorrold SR, Braun CD, Zhou Y, Clua EE, **Planes S**, 2019. Contrasting global, regional and local patterns of genetic structure in gray reef shark populations from the Indo-Pacific region. *Scientific Reports* 9.
273. Cabanellas-Reboredo M, Vázquez-Luis M, Mourre B, Álvarez E, Deudero S, Amores A, Addis P, Ballesteros E, Barrajon A, Coppa S, Rafael García-March J, Giacobbe S, Giménez Casaldueiro F, Hadjioannou L, Jiménez-Gutiérrez SV, Katsanevakis S, Kersting D, Mačić V, Mavrič B, Patti FB, **Planes S**, Prado P, Sánchez J, Tena-Medialdea J, de Vaugelas J, Vicente N, BelkhamssaFZ, Zupan I, Hendriks IE, 2019. Tracking a mass mortality outbreak of pen shell *Pinna nobilis* populations: A collaborative effort of scientists and citizens. *Scientific Reports* 9.

272. Casey JM, Meyer CP, Morat F, Brandl SJ, **Planes S**, Parravicini V, 2019. Reconstructing hyperdiverse food webs: Gut content metabarcoding as a tool to disentangle trophic interactions on coral reefs. *Methods in Ecology and Evolution* 10, 1157-1170.
271. Chin A, Baje L, Donaldson T, Gerhardt K, Jabado RW, Kyne PM, Mana R, Mescam G, Mourier J, **Planes S**, Wen C, 2019. The scientist abroad: Maximising research impact and effectiveness when working as a visiting scientist. *Biological Conservation*, 238 : 108231.
270. Ciotti BJ, **Planes S**, 2019. Within-generation consequences of postsettlement mortality for trait composition in wild populations: An experimental test. *Ecology and Evolution* 9, 2550-2561.
269. Clua E, **Planes S**, 2019. First record of Carolines parrotfish (*Calotomus carolinus*) and king angelfish (*Holocanthus passer*) around the Clipperton Atoll La Passion Island (North-Eastern Tropical Pacific). *Cybius* 43, 285-287.
268. Cocquempot LM, Delacourt C, Paillet J, Riou P, Lamarche S, Ballu V, Castelle B, Charria G, Claudet J, Conan P, Hocdé R, **Planes S**, Raimbault P, Savoye N, Testut L, Vuillemin R, 2019. Coastal Ocean and Nearshore Observation: A French Case Study. *Frontiers in Marine Science* 6. 324.
267. Delrieu-Trottin E, Williams JT, Pitassy D, Driskell A, Hubert N, Viviani J, Cribb TH, Espiau B, Galzin R, Kulbicki M, Lison de Loma T, Meyer C, Mourier J, Mou-Tham G, Parravicini V, Plantard P, Sasal P, Siu G, Tolou N, Veuille M, Weigt L, **Planes S**, 2019. A DNA barcode reference library of French Polynesian shore fishes. *Scientific Data* 6. 595793
266. Delsler PM, Corrigan S, Duckett D, Suwalski A, Veuille M, **Planes S**, Naylor GJP, Mona S, 2019. Demographic inferences after a range expansion can be biased: the test case of the blacktip reef shark (*Carcharhinus melanopterus*). *Heredity* 122, 759-769.
265. Dube CE, Ky CL, **Planes S**, 2019. Microbiome of the black-lipped pearl oyster *Pinctada margaritifera*, a multi-tissue description with functional profiling. *Frontiers in Microbiology* 10. 1548.
264. He S, **Planes S**, Sinclair-Taylor TH, Berumen ML, 2019. Diagnostic nuclear markers for hybrid Nemos in Kimbe Bay, PNG, *Amphiprion chrysopterus* x *Amphiprion sandaracinos* hybrids. *Marine Biodiversity* 49, 1261-1269.
263. Ky CL, Blay C, Broustal F, Koua MS, **Planes S**, 2019. Relationship of the orange tissue morphotype with shell and pearl colouration in the mollusc *Pinctada margaritifera*. *Scientific Reports* 9.
262. Mourier J, Ballesta L, Clua E, **Planes S**, 2019. Visitation patterns of camouflage groupers *Epinephelus polyphekadion* at a spawning aggregation in Fakarava inferred by acoustic telemetry. *Coral Reefs*, 38: 909-916.
261. Moussa R.M., Fogg, L., Bertucci, F., Calandra, M., Collin, A., Aubanel, A., Polti, S., Benet, A., Salvat, B., Galzin, R., **Planes S** (2019). Long-term coastline monitoring on a coral reef island (Moorea, French Polynesia). *Ocean & Coastal Management* 180. 104928
260. Paterno, M., Bat, L., Ben Souissi, J., Boscari, E., Chassanite, A., Congiu, L., Guarnieri, G., Kruschel, C., Macic, V., Marino, I.A.M., Dragos Micu, Nataliya Milchakova, Marina Panayotova, Chiara Papetti, **Serge Planes**, Stefan Strungaru, Valentina Ruseva Todorova, Emanuela Voutsinas, Lorenzo Zane. (2019). A Genome-Wide Approach to the Phylogeography of the Mussel *Mytilus galloprovincialis* in the Adriatic and the Black Seas. *Frontiers in Marine Science* 6.
259. **Serge Planes**, Denis Allemand, Sylvain Agostini, Bernard Banaigs, Emilie Boissin, Emmanuel Boss, Guillaume Bourdin, Chris Bowler, Eric Douville, J Michel Flores, Didier Forcioli, Paola Furla, Pierre Galand, Jean-François Ghiglione, Eric Gilson, Fabien Lombard, Clémentine Moulin, Stéphane Pesant, Julie Poulain, Stéphanie Reynaud, Sarah Romac, Matthew B Sullivan, Shinichi Sunagawa, Olivier P Thomas, Romain Troublé, Colomban De Vargas, Rebecca Vega Thurber, Christian R Voolstra, Patrick Wincker, Didier Zoccola, Tara Pacific Consortium. 2019. The Tara Pacific expedition—A pan-ecosystemic approach of the “-omics” complexity of coral reef holobionts across the Pacific Ocean. *PLoS biology* 17 (9) : E3000483
258. Reisser, C., Lo, C., Schikorski, D., Koua, M.S., **Planes, S.**, and Ky, C.L. (2019). Strong genetic isolation of the black-lipped pearl oyster (*Pinctada margaritifera*) in the Marquesas archipelago (French Polynesia). *Scientific Reports* 9; 1-12.
257. Stenger, P.L., Vidal-Dupoir, J., Reisser, C., **Planes, S.**, and Ky, C.L. (2019). Colour plasticity in the shells and pearls of animal graft model *Pinctada margaritifera* assessed by HSV colour quantification. *Scientific Reports* 9. 7520

256. Vercelloni, J., Kayal, M., Chancerelle, Y., and **Planes, S.** (2019). Exposure, vulnerability, and resiliency of French Polynesian coral reefs to environmental disturbances. *Scientific Reports* 9. e1027
255. Weideli, O.C., Bouyoucos, I.A., Papastamatiou, Y.P., Mescam, G., Rummer, J.L., and **Planes, S.** (2019). Same species, different prerequisites: investigating body condition and foraging success in young reef sharks between an atoll and an island system. *Scientific Reports* 9. 1-11.
254. Weideli, O.C., Papastamatiou, Y.P., and **Planes, S.** (2019). Size frequency, dispersal distances and variable growth rates of young sharks in a multi-species aggregation. *Journal of Fish Biology* 94, 789-797.
253. Gabriel Gorsky, Guillaume Bourdin, Fabien Lombard, Maria Luiza Pedrotti, Samuel Audrain, Nicolas Bin, Emmanuel Boss, Chris Bowler, Nicolas Cassar, Loic Caudan, Genevieve Chabot, Natalie Cohen, Daniel Cron, Colomban de Vargas, John Dolan, Eric Douville, Amanda Elineau, Michel Flores, Ghiglione Jean-Francois, Nils Haëntjens, Martin Hertau, Seth John, Rachel Kelly, Ilan Koren, Yajuan Lin, Dominique Marie, Clémentine Moulin, Yan Moucherie, Stéphane Pesant, Marc Picheral, Julie Poulain, Mireille Pujopay, Gilles Reverdin, Sarah Romac, Mathew B Sullivan, Miri Trainic, Marc Tressol, Romain Troublé, Assaf Vardi, Chris Voolstra, Patrick Wincker, Sylvain Agostini, Bernard Banaigs, Emilie Boissin, Didier Forcioli, Paola FURLA, Pierre E Galand, Eric Gilson, Stéphanie Reynaud, Shinichi Sunagawa, Olivier P Thomas, Rebecca Lisette Vega Thurber, Didier Zoccola, **Serge Planes**, Denis Allemand, Eric Karsenti. 2019. Expanding Tara Oceans protocols for underway, ecosystemic sampling of the ocean-atmosphere interface during Tara Pacific expedition (2016-18). *Frontiers in Marine Science*, 6, 750.

2018

252. Vercelloni J., Kayal M., Chancerelle Y., **Planes S.** 2018. Exposure, vulnerability, and resiliency of French Polynesian coral reefs to environmental disturbances. *Scientific reports*, 9 : e1027.
251. Delsler P.M., Corrigan S., Duckett D., Suwalski A., Veuille M., **Planes S.**, Naylor G.J.P., Mona S. 2018. Demographic inferences after a range expansion can be biased: the test case of the blacktip reef shark (*Carcharhinus melanopterus*). *Heredity*, DOI: 10.1038/s41437-018-0164-0.
250. Torrente F., Bambridge T., **Planes S.**, Guiart J., Clua E.G. 2018. Sea Swallowers and Land Devourers: Can Shark Lore Facilitate Conservation? *Human Ecology*, 46 : 717-726.
249. Bouyoucos I.A., Weideli O.C., **Planes S.**, Simpfendorfer C.A., Rummer J.L. 2018. Dead tired: evaluating the physiological status and survival of neonatal reef sharks under stress. *Conservation physiology*, 6 : coy053.
248. Blay C., **Planes S.**, Ky C.-L. 2018. Cultured Pearl Surface Quality Profiling by the Shell Matrix Protein Gene Expression in the Biomineralised Pearl Sac Tissue of *Pinctada margaritifera*. *Marine Biotechnology*, 20 : 490-501.
247. He S., **Planes S.**, Sinclair-Taylor T.H., Berumen M.L. 2018. Diagnostic nuclear markers for hybrid *Nemos* in Kimbe Bay, PNG-*Amphiprion chrysopterus* x *Amphiprion sandaracinos* hybrids. *Marine Biodiversity*, 1 : 1-9.
246. Blay C., **Planes S.**, Ky C.-L. 2018. Optimal age of the donor graft tissue in relation to cultured pearl phenotypes in the mollusc, *Pinctada margaritifera*. *PLoS one*, 13 : e0198505.
245. Hume B. C.C., Ziegler M., Poulain J., Pochon X., Romac S., Boissin E., De Vargas C., **Planes S.**, Wincker P., Voolstra C.R. 2018. An improved primer set and amplification protocol with increased specificity and sensitivity targeting the Symbiodinium ITS2 region. *PeerJ*, 6 : e4816.
244. Riaux-Gobin C., Witkowski A, Jordan R.W., Parravicini V, **Planes S.** 2018. *Cocconeis kurakakea*, a new diatom species from Nukutavake (Tuamotu Archipelago, South Pacific): description and comparison with *C. diruptoides* and *C. pseudodiruptoides*. *Phytotaxa*, 349 : 115-129.
243. Ziegler M., Quéré G., Ghiglione J.-F., Iwankow G., Barbe V., Boissin E., Wincker P., **Planes S.**, Voolstra C.R. 2018. Status of coral reefs of Upolu (Independent State of Samoa) in the South West Pacific and recommendations to promote resilience and recovery of coastal ecosystems. *Marine Pollution Bull*, 129 : 392-398.
242. Collin A., Hench J.L., Pastol Y, **Planes S.**, Thiault L., Schmitt R.J., Holbrook S.J., Davies N., Troyer M. 2018. High resolution topobathymetry using a Pleiades-1 triplet: Moorea Island in 3D. *Remote sensing of environment*, 208 : 109-119.
241. Blay C., **Planes S.**, Ky C.L., 2018. Crossing Phenotype Heritability and Candidate Gene Expression in Grafted Black-Lipped Pearl Oyster *Pinctada margaritifera*, an Animal Chimera. *Journal of Heredity*, 109 : 510-519.

240. Brena P.F., Mourier J., **Planes S.**, Clua E.E. 2018. Concede or clash? Solitary sharks competing for food assess rivals to decide. *Proceedings of the Royal Society B: Biological Sciences*, 285 : DOI : 10.1098/rspb.2018.0006.
239. Delrieu-Trottin E., Liggins L., Trnski T., Williams J.T., Neglia V., Rapu-Edmunds C., **Planes S.**, Saenz-Agudelo P. 2018. Evidence of cryptic species in the blenniid *Cirripectes alboapicalis* species complex, with zoogeographic implications for the South Pacific. *ZooKeys*, 810 : 127-135.
238. Bussotti S., Di Franco A., Nike Bianchi C., Chevaldonné P., Egea L., Fanelli E., Lejeusne C., Musco L., Navarro-Barranco C., Pey A., **Planes S.**, Vieux-Ingrassia J.V., Guidetti P. 2018. Fish mitigate trophic depletion in marine cave ecosystems. *Scientific reports*, 8 : 9193.
237. Delrieu-Trottin E., Neglia V., Verducci M., **Planes S.** 2018. Origin, Genetic Diversity, and Population History of a Marine Population (Chanidae: *Chanos chanos*) in an Enclosed Lagoon in French Polynesia. *Pacific Science*, 72 : 223-231

2017

236. Dubé C., Boissin E., Maynard J.A., **Planes S.** 2017. Fire coral clones demonstrate phenotypic plasticity among reef habitats. *Mol Ecol*, 15 : 3860-3869.
235. Gueguen Y., Saulnier D., Santini A., Magre K., Garen P., Bernagout S., Nohl M., Bouisset P., Helme H., **Planes S.**, Le Moullac G. 2017 Response of the pearl oyster *Pinctada margaritifera* to cadmium and chromium: Identification of molecular biomarkers. *Mar Pol Bull*, 118 :420-426.
234. Almany R.G., **Planes S.**, Thorrold S.R., Berumen M.L., Bode M., Saenz-Agudelo P., Bonin M.C., Frisch A.J., 7, Harrison H.B., Messmer V., Nanninga G.B., Priest M.A., Srinivasan M., Sinclair-Taylor T., Williamson D.H., Jones G.P. 2017. Larval fish dispersal in a coral-reef seascape. *Nature Ecology & Evolution* : 1, 0148.
233. Dubé C.E., **Planes S.**, Zhou Y., Berteaux-Lecellier V., Boissin E. 2017. Genetic diversity and differentiation in reef-building *Millepora* species, as revealed by cross-species amplification of fifteen novel microsatellite loci. *Peer J*, e2936.
232. Ky C.L., Lo C, **Planes S.** 2017. Mono- and polychromatic inner shell phenotype diversity in *Pinctada margaritifera* donor pearl oysters and its relation with cultured pearl colour. *Aquaculture* 468, 199–205.
231. Mourier J., Brown C., **Planes S.** 2017. Learning and robustness to catch-and release fishing in a shark social network. *Biol. Lett.* 13: 20160824.
230. Arduro A., **Planes S.** 2017. Rapid assessment of non-indigenous species in the era of the eDNA barcoding: A Mediterranean case study. *Estuarine, Coastal and Shelf Science* 188 (2017) 81-87.
229. Arduro A., Zaiko A., Morán P., Planes S., Garcia-Vazquez E. 2017. Epigenetic signatures of invasive status in populations of marine invertebrates. *Scientific Reports*, 7:42193
228. Dubé C.A., Mercière A., Vermeij M.J.A., **Planes S.** 2017. Population structure of the hydrocoral *Millepora platyphylla* in habitats experiencing different flow regimes in Moorea, French Polynesia. *Plos One*, e0173513.
227. Bussotti S., Di Franco A., Pey A., Vieux-Ingrassia J.-C., **Planes S.**, Guidetti P. 2017. Distribution patterns of marine cave fishes and the potential role of the cardinal fish *Apogon imberbis* (Linnaeus, 1758) for cave ecosystem functioning in the western Mediterranean. *Aquat Living Resour*, 30, 15-24.
226. Matich P., Kiszka J.J., Mourier J., **Planes S.**, Heithaus M.R. 2017. Species co-occurrence affects the trophic interactions of two juvenile reef shark species in tropical lagoon nurseries in Moorea (French Polynesia). *Marine Environmental Research*, 127 : 84-91.
225. Blay C., **Planes S.**, Ky C.L. 2017. Donor and recipient contribution to phenotypic traits and the expression of biomineralisation genes in the pearl oyster model *Pinctada margaritifera*. *Scientific Reports*, 7: 2696.
224. Siu G., Bacchet P., Bernardi G., Brooks A.J., Carlot J., Causse R., Claudet J., Clua E., Delrieu-Trottin E., Espiau B., Harmelin-Vivien M., Keith P., Lecchini D, Madi-Moussa R., Parravicini V., **Planes S.**, Ponsonnet C., Randall J.E., Sasal P., Taquet M., Williams J.T., Galzin R. 2017. Shore fishes of French Polynesia. *Cybium*. 41:245-278.
223. Rouzé H., Lecellier G.J., Saulnier D., **Planes S.**, Gueguen Y., Wirshing H.H., Berteaux-Lecellier V. 2017. An updated assessment of Symbiodinium spp. that associate with common scleractinian corals from Moorea (French Polynesia) reveals high diversity among background symbionts and a novel finding of clade B. *Peer J* 2856.
222. Oruba L, **Planes S.**, Siu G, Chancerelle Y, Dormy E. 2017. Rapid oceanic response to tropical cyclone Oli (2010) over the south Pacific. *Journal of Physical Oceanography*, 47 : 471-483.
221. Erwan Delrieu-Trottin, Stefano Mona, Jeffrey A. Maynard, Valentina Neglia, Serge Planes (2017) Population expansions dominate demographic histories of endemic and widespread Pacific reef fishes. *Scientific Reports*, 7, 40519
220. Ky CL, Lo C, **Planes S.** 2017. Mono- and polychromatic inner shell phenotype diversity in *Pinctada margaritifera* donor pearl oysters and its relation with cultured pearl colour. *Aquaculture* 468, 199-205.

219. Pinsky ML, Saenz-Agudelo P, Almany GR, Bode M, Jones GP, **Planes S**. 2017. Equivalence of marine dispersal over evolutionary and ecological time. *Current Biology*, 27 : 149-154.

2016

218. Boero F., Fogliani F., Frascchetti S., Goriup P., Macpherson E., Planes S., Soukissian T., The CoCoNet Consortium. 2016. CoCoNet: Towards coast to coast networks of marine protected areas (from the shore to the high and deep sea), coupled with seabased wind energy potential. Scientific Research and Information Technology, Vol 6, 1-95.
217. van Hooidonk, R., Maynard, J., Tamelander, J., Gove, J., Ahmadi, G., Rymundo, L., Williams, G., Heron, S.F. and **S. Planes**. 2016. Local-scale projections of coral reef futures and implications of the Paris Agreement. *Sci. Rep.* 6, 39666; doi:10.1038/srep39666.
216. Rouzé H, Lecellier GJ, Saulnier D, **Planes S**, Gueguen Y, Wirshing HH, Berteaux-Lecellier V. 2017. An updated assessment of Symbiodinium spp. that associate with common scleractinian corals from Moorea (French Polynesia) reveals high diversity among background symbionts and a novel finding of clade B. *PeerJ* 5:e2856 <https://doi.org/10.7717/peerj.2856>
215. Sahyoun R, Guidetti P, Di Franco A, **Planes S**. 2016. Patterns of fish connectivity between a marine protected area and surrounding fished areas. *PloS one* 11 (12), e0167441
214. Salles OC, Maynard JA, Almany GR, Berumen ML, Jones GP, Pujol B, Saenz-Agudelo P, Thorrold SR, **Planes S**. 2016. First genealogy for a wild marine fish population reveals multigenerational philopatry. *Proceedings of the National Academy of Sciences*, 113(46):13245-13250.
213. Viviani J, Williams JT, **Planes S**. 2016. Two new pygmygobies (Percomorpha: Gobiidae: *Trimma*) from French Polynesia. *Journal of the Ocean Science Foundation*, 23, 1-11.
212. Beldade R, Holbrook SJ, Schmitt RJ, **Planes S**, Bernardi G. 2016. Spatial patterns of self-recruitment of a coral reef fish in relation to island-scale retention mechanisms. *Molecular ecology* 25, 5203-5211
211. Delrieu-Trottin E, **Planes S**, Williams JT. 2016. When endemic coral-reef fish species serve as models: endemic mimicry patterns in the Marquesas Islands. *Journal of Fish Biology* 89, 1834-1838
210. Miralles L, Oremus M, Silva MA, **Planes S**, Garcia-Vazquez E. 2016. Interspecific hybridization in pilot whales and asymmetric genetic introgression in northern *Globicephala melas* under the scenario of global warming. *PloS one* 11, e0160080
209. Mourier J, Maynard J, Parravicini V, Ballesta L, Clua E, Domeier ML, **Planes S**. 2016. Extreme inverted trophic pyramid of reef sharks supported by spawning groupers. *Current Biology* 26, 2011-2016
208. Herrera M, Nanninga GB, **Planes S**, Jones GP, Thorrold SR, Saenz-Agudelo P, Almany GR, Berumen ML. 2016. Seascape and life-history traits do not predict self-recruitment in a coral reef fish. *Biology Letters* 12, 20160309
207. Ardura A, **Planes S**, Garcia-Vazquez E. 2016. Phylogenetic analysis for detection of multiple fouling events: a pilot study of barnacles at Moorea Island (French Polynesia). *Crustaceana* 89, 863-875
206. Boissin E, Micu D, Goff JF, Neglia V, Bat L, Todorova V, Panayotova M, Kruschel C, Macic V, Milchakova N, Keskin Ç, Anastasopoulou A, Nasto I, Zane L, **Planes S**. 2016. Contemporary genetic structure and postglacial demographic history of the black scorpionfish, *Scorpaena porcus*, in the Mediterranean and the Black Seas. *Molecular ecology* 25, 2195-2209
205. Davies N, Field D, Gavaghan D, Holbrook SJ, **Planes S**, Troyer M, Bonsall M, Claudet J, Roderick G, Schmitt RJ, Zettler LA, Berteaux V, Bossin HC, Cabasse C, Collin A, Deck J, Dell T, Dunne J, Gates R, Harfoot M, Hench JL, Hopuare M, Kirch P, Kotoulas G, Kosenkov A, Kusenko A, Leichter J, Lenihan H, Magoulas A, Martinez N, Meyer C, Stoll B, Swalla B, Tartakovsky DM, Murphy HT, Turyshev S, Valdvinos F, Williams R, Wood S. 2016. Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. *GigaScience* 5:14 (doi: 10.1186/s13742-016-0118-5)
204. Ardura A, Juanes F, **Planes S**, Garcia-Vazquez E. 2016. Rate of biological invasions is lower in coastal marine protected areas. *Scientific Reports* 6, e33013.
203. Delser PM, Corrigan S, Hale M, Li C, Veuille M, **Planes S**, Naylor G, Mona S. 2016. Population genomics of *C. melanopterus* using target gene capture data: demographic inferences and conservation perspectives. *Scientific Reports* 6, e33753.

202. Salles OC, Saenz-Agudelo P, Almany GR, Berumen ML, Thorrold SR, Jones GP, **Planes S**. 2016. Genetic tools link long-term demographic and life-history traits of anemonefish to their anemone hosts. *Coral Reefs* 35 (4), 1127-1138

2015

201. Ardura A, **Planes S**, Garcia-Vazquez E. 2016. Aliens in Paradise. Boat density and exotic coastal mollusks in Moorea Island (French Polynesia). *Marine Environmental Research* 112, 56-63.
200. Clua E, **Planes S**. 2014. Homme-requin : comment renforcer le partenariat? *Lettre d'Information sur les Pêches de la CPS*, 145 : 19-22.
199. Salles O, Maynard JA, Joannides M, Barbu CM, Saenz-Agudelo P, Almany GR, Berumen ML, Thorrold SR, Jones GP, **Planes S**. 2015. Coral reef fish populations can persist without immigration. *Proceedings of the Royal Society B*, 282 : 20151311. Doi.org/10.1098 :rspb.2015.1311.
198. Di Franco A, Calo A, Pennetta A, De Benedetto G, **Planes S**, Guidetti P. 2015. Dispersal of larval and juvenile seabream : implications for Mediterranean marine protected areas. *Biological Conservation*, 192 : 361-368.
197. Dubé C, Boissin E, **Planes S**. 2015. Overgrowth of living scleractinian corals by the hydrocoral *Millepora platyphylla* in Moorea, French Polynesia. *Marine Biodiversity*, doi :10.1007/s12526-015-0392-y.
196. Delrieu-Trottin E, Williams JT, Bacchet P, Kulbicki M, Mourier J, Galzin R, Lison de Loma T, Mou-Tham G, Siu G, **Planes S**. 2015. Shore fishes of the Marquesas Islands, an updated checklist with new records and new percentage of endemic species. *Check List*, 11(5) : 1758.
195. Brena PF, Mourier J, **Planes S**, Clua E. 2015. Shark and ray provisioning : functional insights into behavioral, ecological and physiological responses across multiple scales. *Marine Ecology Progress Series*, 538 : 273-283.
194. Maynard JA, Beeden R, Puotinen M, Johnson JE, Marshall P, Hooi donk R van, Heron SF, Devlin M, Lawrey E, Dryen E, Ban N, Wachenfeld D, **Planes S**. 2015. Great barrier reef no-take areas include a range of disturbance regimes. *Conservation Letters*, doi :10.1111/conl.12198.
193. Maynard JA, McKagan S, Raymundo L, Johnson S, Ahmadi GN, Johnston L, Houk P, Williams GH, Kendall M, Heron SF, Hooi donk R van, McLeod E, Tracey D, **Planes S**. 2015. Assessing relative resilience potential of coral reefs to inform management. *Biological Conservation*, 192 : 109-119.
192. Lemer S, Saulnier D, Gueguen Y, **Planes S**. 2015. Identification of genes associated with shell color in the black-lipped pearl Oyster, *Pinctada margaritifera*. *BMC genomics*, 16 : Article 568.
191. Matich P, Kiszka JJ, Heithaus MM, Mourier J, **Planes S**. 2015. Short-term shifts of stable isotope ($\delta^{13}C$, $\delta^{15}N$) values in juveniles sharks within nursery areas suggest rapid shifts in energy pathways. *J Experimental Mar Biol Ecol*, 465 : 83-91
190. Weideli OC, Mourier J, **Planes S**. 2015. A massive surgeonfish aggregation creates a unique opportunity for reef shark. *Coral Reefs*, 34: 835.
189. Rouzé H, Lecellier G, Langlade MJ, **Planes S**, Berteaux-Lecellier V. 2015. Fringing reefs exposed to different levels of eutrophication and sedimentation can support similar benthic communities. *Mar pollution bull*, 92 : 212-221
188. Grulois D, **Planes S**, Fauvelot C. 2015. Isolation and characterization of fifteen microsatellites loci in two-spined angelfish *Centropyge bispinosa* (family Pomacanthidae) with cross-amplification success in four *Centropyge* congeners. *Conser Gen Resources*, 7 : 291-293.
187. Morat F, Blamart D, Lecomte-Finiger R, **Planes S**, Galzin R. 2015. From the geochemistry of coral reef fish otoliths to climate: what can we learn from the example of Taiaro lagon? *Vie et Milieu*, 65 : 21-28.
186. Crec'Hriou R, Marinaro JY, **Planes S**. 2015. Advance in identification of pelagic eggs of Mediterranean teleostean fish : development of a new identification key. *Vie et Milieu*, 65 : 47-61

185. Saenz-Agudelo P, Jones GP, Thorrold SR, **Planes S**. 2015. Mother matter : contribution to local replenishment is linked to female size, mate replacement and fecundity in a fish metapopulations. *Mar Biol*, 162 : 3-14
184. Hubert N, Espiau B, Meyer C, **Planes S**. 2015. Identifying the ichthyoplankton of a coral reef using DNA barcodes. *Mol Ecol Resources*, 15: 57-67.
183. Mourier J., **Planes S**. 2015a. *Réseaux sociaux chez les poissons*. In : Analyse des réseaux sociaux appliquée à l'éthologie et l'écologie, C. Sueur dir. Editions Matériologiques, 514p.
182. Mourier J., **Planes S**. 2015b. *Structure des réseaux sociaux et diversité génétique*. In : Analyse des réseaux sociaux appliquée à l'éthologie et l'écologie, C. Sueur dir. Editions Matériologiques, 514p.
181. Mourier J., **Planes S**. 2015c. *Les requins et raies des îles Australes espèces emblématiques de la conservation*. In : Salvat B., Bambridge T., Tanret D. et Petit J., 2015. Environnement marin des îles Australes, Polynésie française. IRCP, CRIOBE et The Pew Charitable Trust Polynésie française, ISBN 978-2-905630-08-7, EAN 9782905630087. Polynésie française, Tahiti, p. 113-119.

2014

180. Delrieu-Trottin E, Maynard J, **Planes S**. 2014. Endemic and widespread coral reef fishes have similar mitochondrial genetic diversity. *Proceeding of the Royal Society B : Biological Science*, 281, 20141068.
179. Collin A, Archambault P, **Planes S**. 2014. Revealing the regime of shallow coral reef at patch scale by continuous spatial modeling. *Frontiers in Marine Science*. 1, 65.
178. Vignaud TM, Mourier J, Maynard JA, Leblois R, Spaet JLY, Clua E, Neglia V, **Planes S**. Blacktip reef sharks, *Carcharhinus melanopterus*, have high genetic structure and varying demographic histories in their Indo-Pacific range. *Molecular Ecology* 23 (21), 5193-5207.
177. Saenz-Agudelo P, Jones GP, Thorrold SR, **Planes S**, 2014, Mothers matter : contribution to local replenishment is linked to female size, mate replacement and fecundity in a fish metapopulation. *Marine Biology*, 1-12. Doi : 10.1007/s00227-014-2556-x
176. Rouzé H, Lecellier G, **Planes S**, Berteaux-Lecellier V, Stewart H, 2014. Juvenile *Trapezia spp.* crabs protect juvenile host corals from predation by *Acanthaster planci*. *Mar Ecol Prog Ser*, 515: 151-150.
175. Delrieu-Trottin E, Williams JT, **Planes S**. 2014. *Macropharyngodon pakoko*, a new species of wrasse (Teleostei : Labridae) endemic to the Marquesas Islands, French Polynesia. *Zootaxa* 3857 (3) : 433-443.
174. Simpson SD, Harrison HB, Clearboudt MR, **Planes S**. 2014. Long-distance dispersal via ocean currents connects Omani clownfish populations throughout entire species range. *PLOS One*, 9 (9), e107610.
173. Vignaud TM, Maynard JA, Leblois R, Meekan MG, Vazquez-Juarez R, Ramirez-Macias D, Pierce SJ, Rowat D, Berumen ML, Beeravolu C, Baksay S, **Planes S**. 2014. Genetic structure of populations of whale sharks among ocean basins and evidence for their historic rise and recent decline. *Mol Ecol*, 23 : 2590-2601.
172. Lemer S, **Planes S**. 2014. Effects of habitat fragmentation on the genetic structure and connectivity of the black-lipped pearl oyster *Pinctada margaritifera* populations in French Polynesia. *Mar Biol*, 161: 2035-2049.
171. Davies N, Field D, Amaral-Zettler L, Clark M, Deck J, Drummond A, Faith DP, Geller J, Gilbert J, Glöckner FO, Hirsch P, Leong J, Meyer C, Obst M, **Planes S**, Scholin C, Vogler AP, Berteaux-Lecellier V, Gates RD, Toonen R, Bertilsson S, Bicak M, Bietz MJ, Bodrossy L, Borja A, Gerdtz G, Gillespie R, Goodwin K, Hanson PC, Jeanthon C, Klindworth A, Koo MS, Kotoulas G, Marteinsson VT, Morrison N, Myrold DD, Pafilis E, Polymenakou PN, Ratnasingham S, Roderick GK, Rodriguez-Ezpeleta N, Simon N, Valette-Silver NJ, Wichels A, Wooley JC and Zingone A (2014). The Founding Charter of the Genomic Observatories Network. *GigaScience* 2014 3:2. doi:10.1186/2047-217X-3-2.
170. Dixon DL, Jones GP, Munday PL, **Planes S**, Pratchett MS, Thorrold SR. 2014. Experimental evaluation of imprinting and the role innate preference plays in habitat selection in a coral reef fish. *Oecologia*. 174:99-107

169. Werry JM, Berumen ML, **Planes S**, Clua E. 2014. Ontogenetic reef fidelity and migration of tiger sharks, *Galeocerdo cuvier*, across the Coral Sea. *PLoS One*, 9 : e83249
168. van Hooijdonk R, Maynard J. A., **Planes S**. 2014. Opposite latitudinal gradients in projected ocean acidification and bleaching impacts on coral reefs. *Global Change Biology*, 20: 103-112.

2013

167. Nahon S, Richoux NB, Kolasinski J, Desmalades M, Ferrier Pages C, Lecellier G, Planes S, Berteaux Lecellier V. 2013. Spatial and temporal variation in stable carbon ($\delta^{13}\text{C}$) and nitrogen ($\delta^{15}\text{N}$) isotopic composition of symbiotic scleractinian corals. *PLoS One*, 8 : e81247.
166. Ardura A, **Planes S**, Garcia-Vazquez E. 2013. Applications of DNA barcoding to fish landings : authentication and diversity assessment. *Zookeys*, 365 : 49-65
165. Harrison HB, Saenz-Agudelo P, **Planes S**, Jones, GP, Berumen ML. 2013. On minimizing assignment errors and the trade-off between false positive and negative in parentage analysis. *Molecular Ecology*, 22 : 5738-5742.
164. Mourier J, Buray N, Schultz JK, Clua E, **Planes S**, 2013. Genetic network and breeding patterns of a sicklefin lemon shark (*Negaprion acutidens*) populations in the Society islands, French Polynesia. *PLoS One*, 8 : e73899.
163. Collin A, Archambault P, **Planes S**. 2013. Bridging ridge-to-reef patches : seamless classifications of the coast using very High resolution satellite. *Remote Sensing*, 5 : 3583-3610.
162. Williams JT, Delrieu-Trottin E, **Planes S**, 2013. Two new species of the subfamily *Anthiinae* (Perciformes, *Serranidae*) from the Marquesas. *Zootaxa* 3647 : 167-180.
161. Vignaud T, Clua E, Mourier J, Maynard J.A., **Planes S**, 2013. Microsatellite analyses of blacktip reef sharks (*Carcharhinus melanopterus*) in a fragmented environment show structured clusters. *PLoS One*, 8 : e61067.
160. Collin A, Etienne S, **Planes S**, 2013. High-energy events, coastal boulder deposits and the use of very high resolution remote sensing. In: Conley, D.C., Masselink, G., Russell, P.E. and O'Hare, T.J. (eds.), *Proceedings 12th International Coastal Symposium* (Plymouth, England), *Journal of Coastal Research*, Special Issue, 65 : 690-695.
159. Almany GR, Hamilton RJ, Bode M, Matawai M, Potuku T, Saenz-Agudelo P, **Planes S**, Berumen ML, Rhodes KL, Thorrold SR, Russ GR, Jones GP. 2013. Dispersal of grouper larvae drives local resource sharing in a coral reef fishery. *Current Biology*, 22: 1023-1028
158. van Hooijdonk R, Maynard JA, **Planes S**. 2013. Temporary refugia for coral reefs in a warming world. *Nature Climate Change*, 1829, DOI 10.1038
157. Mourier J, Mills SC, **Planes S**. 2013. Population structure, spatial distribution and life-history traits of blacktip reef sharks *Carcharhinus melanopterus*. *J. Fish Biol*, 82 : 979-993.
156. Harrison, HB, Saenz-Agudelo, P, **Planes, S**, Jones, GP, Berumen, ML. 2013. Relative accuracy of three common methods of parentage analysis in natural populations. *Mol Ecol*, 22 : 1158-1170.
155. Di Franco A, Qian KC, Calo A, Di Lorenzo M, **Planes S**, Guidetti P. 2013. Patterns of variability in early life traits of a Mediterranean coastal fish. *Marine Ecology Progress Series*, 476: 227-235.
154. Mourier J, **Planes S**, Buray N. 2013. Trophic interactions at the top of the coral reef food chain. *Coral reefs*, 32 : 285.
153. Mourier J, **Planes S**. 2013, Direct genetic evidence for reproductive philopatry and associated fine-scale migrations in female blacktip reef sharks (*Carcharhinus melanopterus*) in French Polynesia. *Molecular Ecology*, 22: 201-214.

2012

152. Davies N, Field D, **Planes S**, and the Genomic Observatories Network. 2012. A genomic network to monitor earth. *Nature*, 481:145.
151. Lemer S, **Planes S**. 2012. Translocation of wild populations: conservation implications for the genetic diversity of the black-lipped pearl oyster *Pinctada margaritifera*. *Molecular Ecology*, 21: 2949-2962
150. **Planes S**, Lecchini D, Mellin C, Garcia Charton J, Harmelin-Vivien M, Kulbicki M, Mou-Tham G, Galzin R. 2012. Environmental determinants of coral reef fish diversity across several French Polynesian atolls. *Comptes rendus Biologies, Académie des sciences*, 335 :417-23.
149. Messmer V, Jones GP, Munday PL, **Planes S**. 2012. Concordance between Genetic and Species Diversity in Coral Reef Fishes across the Pacific Ocean Biodiversity Gradient. *Evolution*, 66: 3902-3917.
148. Métais I, Mengue Ekouma E, Ngpan R, **Planes S**, Mouneyrac C. 2012. Oxidative stress responses and biological indices in the giant clam *Tridacna maxima* and the reef fish *Epinephelus merra* from the French Polynesian Moorea Island. *Marine Pollution Bulletin*, 64: 2233-2237.
147. Hamdi E, Goni R, Diaz D, **Planes S**. 2012. Detecting immigrants in a highly genetically homogeneous spiny lobster population (*Palinurus elephas*) in the northwest Mediterranean Sea. *Ecology and Evolution*, 10.1002/ece3.349
146. Saenz-Agudelo Pablo, Jones GP, Thorrold SR, **Planes S**. 2012. Patterns and persistence of larval retention and connectivity in a marine fish metapopulation. *Molecular Ecology*, 21: 4695-4705
145. Williams JT, Delrieu-Trottin E, **Planes S**. 2012. A new species of Indo-Pacific fish, *Canthigaster criobe*, with comments on other *Canthigaster* (Tetraodontiformes: Tetraodontidae) at the Gambier Archipelago. *Zootaxa*, 3523: 80-88.
144. Kayal M, Vercelloni J, Lison de Loma T, Bosserelle P, Chancerelle Y, Geoffroy S, Stievenart C, Michonneau F, Penin L, **Planes S**, Adjeroud M. 2012. Predator crown-of-thorns starfish (*Acanthaster planci*) outbreak, mass mortality of corals, and cascading effects on reef fish and benthic communities. *PLOS one*, Volume 7 (10): e47363.
143. Wong MYL, Fauvelot C, **Planes S**, Buston PM. 2012. Discrete and continuous reproductive tactics in a hermaphroditic society. *Animal Behaviour* 84: 897-906.
142. Harrison HB, Williamson DH, Evans RD, Almany GR, Thorrold SR, Russ GR, Feldheim KA, van Herwerden L, **Planes S**, Srinivasan M, Berumen ML and Jones GP, 2012. Larval Export from Marine Reserves and the Recruitment Benefit for Fish and Fisheries. *Current Biology* 22: 1023-1028.
141. Hubert N, Meyer C, Bruggemann JH, Guérin F, Komono RJL, Espiau B, Causse R, Williams JT, **Planes S**. 2012. Cryptic diversity in Indo-Pacific coral reef fishes revealed by DNA-barcoding provides new support to the Centre-of-Overlap hypothesis. *Plos One*, 7: e28987.
140. Buston PM, Jones GP, **Planes S** and Thorrold SR. 2012. Probability of successful larval dispersal declines fivefold over 1 km in a coral reef fish. *Proc. R. Soc. B*, 279: 1883-1888.
139. Beldade R., S. J. Holbrook, R. J. Schmitt, **S. Planes**, D. Malone and G. Bernardi. 2012. Larger female fish contribute disproportionately more to self-replenishment. *Proc. R. Soc. B*, 279: 2116-2121.
138. Timm, J, **Planes S** and Kochzius M. 2012. High similarity of genetic population structure in the false clown anemonefish (*Amphiprion ocellaris*) found in microsatellite and mitochondrial control region analysis. *Conserv Genet*, 13: 693-706
137. Berumen ML, Almany GR, **Planes S**, Jones GP, Saenz-Agudelo P and Thorrold SR. 2012. Persistence of self-recruitment and patterns of larval connectivity in a marine protected area network. *Ecology and Evolution*, ece3.208.
136. Fenberg P.B., Caselle J., Claudet J., Clemence M., Gaines S., García-Charton J.A., Gonçalves E., Grorud-Colvert K., Guidetti P., Jenkins S., Jones P.J.S., Lester S., McAllen R., Moland E., **Planes S**. and Sørensen T.K. (2012) The science of European marine reserves: status, efficacy and needs. *Marine Policy* 36 (5), 1012-1021.
135. Kulbicki M, Beets J, Chabanet P, Cure K, Darling E, Floeter S, Galzin R, Green A, Harmelin-Vivien M, Hixon M, Letourneur Y, Lison de Loma T, McClanahan T, McIlwain J, MouTham G, Myers R, K. O'Leary J, **Planes S**, Vigliola L, Wantiez L, 2012. Distributions of Indo-Pacific lionfishes (*Pterois* spp.) in their native ranges: implications for the Atlantic invasion. *Marine Ecology Progress Series*, 446:189-205 |.

134. Mourier J, Vercelloni J, **Planes S.** 2012. Evidence of social communities in a spatially structured network of a free-ranging shark species. *Animal Behaviour*, 83: 389-401.
133. Collin A., Planes S. 2012. Enhancing Coral Health Detection Using Spectral Diversity Indices from WorldView-2 Imagery and Machine Learners. *Remote Sensing*, 4 : 3244-3264.

2011

132. **Planes S.**, 2011. *Spacing a network of marine protected areas based on connectivity data.* In "Marine Protected Areas: A Multidisciplinary Approach", ed. Joachim Claudet. Pp. 322-33. 3Published by Cambridge University Press.
131. Dixon DL, Jones GP, Munday PL, Pratchett M, Srinivasan M, Planes S, Thorrold S. 2011. Terrestrial chemical cues help coral reef fish larvae locate settlement habitat surrounding islands. *Ecology and Evolution*, ece3.53
130. Hubert N, Paradis E, Bruggemann H, Planes S. 2011. Community assembly and diversification in Indo-Pacific coral reef fishes. *Ecology and Evolution*, DOI: 10.1002/ece3.19
129. Ardura A, Planes S, Garcia-Vazquez E. 2011. Beyond biodiversity: fish metagenomes indicate overexploitation of Amazonian fish. *PLOS ONE*, 6,8 : e22592.
128. **Planes S.**, Raventos N., Ferrari, B., Alcoverro T., 2011. Fish herbivory leads to shifts in seagrass *Posidonia oceanica* investments in sexual reproduction *Marine Ecology Progress Series*, 431 : 205-213.
127. Schunter C, Carreras-Carbonell J, **Planes S**, Enric Sala E, Ballesteros E, Zabala M, Harmelin J-G, Harmelin-Vivien M, Macpherson E, Pascual M. 2011. Genetic connectivity patterns in an endangered species: the dusky grouper (*Epinephelus marginatus*). *Journal of Experimental Marine Biology and Ecology*, 401: 126-133.
126. Saenz-Agudelo P, Jones GP, Thorrold SR, **Planes S.** 2011. Connectivity dominates larval replenishment in a coastal reef fish metapopulation. *Proceedings of the Royal Society B, London*, 278 (1720) pp. 2954-2961.
125. Clua E., Buray N., Legendre P., Mourier J., **Planes S.** 2011. Business partner or simple catch? The economic value of the sicklefin lemon shark in French Polynesia. *Marine and Freshwater Research Ecology*, 62 : 664-770.
124. Saenz-Agudelo P, Jones GP, Thorrold SR, **Planes S.** 2011. Detrimental effects of host anemone bleaching on anemonefish populations. *Coral Reefs*, 30: 497-506.
123. Pini J, **Planes S**, Rochel E, Lecchini D and Fauvelot C. 2011. Genetic diversity loss associated to high mortality and environmental stress during the recruitment stage of a coral reef fish. *Coral Reefs*, 30: 399-404.
122. Quenouille B, Hubert N, Bermingham E and **Planes S.** 2011. Speciation in tropical seas: allopatry followed by range change. *Molecular Phylogenetic and Evolution*, 58: 546-552.
121. Lemer S, Rochel E and **Planes S.** 2011. Correction method for null alleles in species with variable microsatellite flanking regions, a case study of the black-lipped pearl oyster *Pinctada Margaritifera*. *Journal of Heredity*, 102:243-246.
120. **Planes S** and Lemer S. 2011. Individual-based analysis opens new insights into understanding population structure and animal behaviour. *Molecular Ecology*, 20:187-189.

2010

119. Clua E., Buray N., Legendre P., Mourier J., **Planes S.** 2010. Effects of provisioning on shark behaviour: Reply to Brunnschweiler & McKenzie (2010). *Marine Ecology Progress Series*, 420 : 285-288.
118. Berumen M.L., Walsh H.J., Raventos N., **Planes S.**, Jones G.P., Starczak V., Thorrold S.R. 2010. Otolith geochemistry does not reflect dispersal history of clownfish larvae. *Coral Reefs*, 29 : 883-891.
117. Kochzius M., Seidel1a C., Antoniou A., Kumar Botla S., Campo D., Cariani A., Vazquez E., Hauschil J., Hervet C., Hjörleifsdottir S., Hreggvidsson G., Kappel K., Landi M., Magoulas A., Marteinsson V., Nölte M., **Planes**

- S., Tinti F., Turan C., Venugopal M.N., Weber H., Blohm D. 2010. Identifying fishes through DNA barcodes and microarrays. *Plos One*, 5 : e12620.
116. Kaplan D.M., **Planes S.**, Fauvelot C., Brochier T., Lett C., Bodin N., LeLoc'h F., Tremblay Y., Georges J.-Y. 2010. New tools for the spatial management of living marine resources. *Current Opinion in Environment Sustainability*, 2 : 88-93.
115. Clua E., Buray N., Legendre P., Mourier J., **Planes S.** 2010. Behavioural response of the sicklefin lemon 1 shark *Negaprion acutidens* to underwater feeding for ecotourism purposes. *Marine Ecology Progress Series*, 414 : 257-266.
114. Roussel E., Crec'hriou, R., Lenfant P., Mader J., **Planes S.** 2010. Relative influences of space, time and environment on coastal ichthyoplankton assemblages along a temperate rocky shore. *Journal of Plankton Research*, 32: 1443-1457
113. Claudet, J., Osenberg G.W., Domenici, P., Badalamenti, F., Milazzo, M., Falcón, J.M., Bertocci, I., Benedetti-Cecchi, L., García-Charton, J.-A., Goñi, R., Borg, J.A., Forcada, A., de Lucia, A., Pérez-Ruzafa, A., Afonso, P., Brito, A., Guala, I., Le Diréach, L., Sanchez-Jerez, P., Somerfield, P.J., **Planes, S.** 2010. Marine reserves: Fish life history and ecological traits matter. *Ecological Modelling*, 20: 830-839.
112. Crec'hriou, R., Alemany, F., Roussel, E., Chassanitte, A., Marinaro, J.-Y., Mader, J., Rochel, E., **Planes, S.**, 2010. Early life stage of fisheries targeted taxa: Evidence of larval export in Cabrera Archipelago National Park (Balearic Islands, Western Mediterranean Sea). *Fisheries oceanography*. 19: 135-150.
111. Leray, M., Beldade, R., Holbrook S.J., Schmitt, R.J., **Planes, S.**, Bernardi, G. 2010. Allopatric divergence and speciation in coral reef fish: the three-spot dascyllus, *Dascyllus trimaculatus*, species complex. *Evolution*, 64: 1218-1230.
110. Hubert N., Delrieu-Trottin E., Irisson J.-O., Meyer C., **Planes S.** 2010. Identifying coral reef fish larvae through DNA barcoding: A test case with the families Acanthuridae and Holocentridae. *Molecular Phylogenetics and Evolution*, 55: 1195-1203.
109. Gaither M.R., Bowen B.W., Toonen, R.J., **Planes S.**, Messmer V., Earle J., Robertson D.R., 2010. Genetic consequence of introducing allopatric lineages of blue-striped snapper (*Lutjanus kasmira*) to Hawaii. *Mol Ecol* 19: 1107-1121.
108. Irisson, J.-O., Paris, C., Guigand, C., Planes, S., 2010. Vertical distribution and ontogenetic 'migration' in coral reef fish larvae. *Limnology and Oceanography*. 55: 909-919
107. Parmentier, E., Kaatz, I., Decloux, N., **Planes, S.**, Vandewalle, P., 2010. Functional study of the mochokid catfish pectoral spine stridulation mechanism. *Journal of Experimental Biology*. 213: 1107-1114.
106. Gaither M.R., Toonen; R.J., Robertson, D.R., **Planes, S.**, Bowen, B.W. 2010. Pleistocene refugia and biogeographic barriers in the dispersive reef fish *Lutjanus kasmira*. *Journal of Biogeography*, 37: 133-147.

2009

105. Beldade, R., Holbrook, S.J., Schmitt, R.J., **Planes, S.**, Bernardi, G. 2009. Isolation and characterization of 8 polymorphic microsatellite markers from the orange-fin anemone fish, *Amphiprion chrysopterus*. *Conservation Genetic Resources*, 1 : 333-335.
104. Raventos, N., Ferrari, B., **Planes, S.**, 2009. Differences in population parameters and behaviour of the herbivorous fish *Sarpa salpa* in protected and unprotected seagrass meadows in the NW Mediterranean. *Journal of the Marine Biological Association of the United Kingdom*, 89: 1153-1159.
103. Buston, P.M., Fauvelot, C., Wong, M.Y.L., Planes, S. 2009. Genetic relatedness in groups of the humbug damselfish, *Dascyllus aruanus*: small, similar-sized individuals may be close kin. *Molecular Ecology*, 18: 4707-4715.
102. Berumen, M.L., Rochel, E., Almany, G.R., Thorrold, S.R., Jones, G.P., Pratchett, M.S., Syms, C., **Planes, S.** 2009. Isolation and characterization of 15 polymorphic nuclear microsatellite primer for the widespread Indo-Pacific vagabond butterflyfish, *Cahetodon vagabundus*, *Mol Ecol Res*, 9: 1460-1466.

101. **Planes, S**, Lecchini, D, Romans, P, Mills, SC. 2009. Effects of post-settlement mortality on size and parasite load in juvenile *Diplodus vulgaris* and *D. sargus* in the Mediterranean. *Aquatic Biol*, 6: 153-158.
100. McCook, L.J., Almany, G.R., Berumen, M.L., Day, J.C., Green, A.L., Jones G.P., Leis, J.M., **Planes, S**, Russ, G.R., Sale, P.F., Thorrold, S.R. 2009. The challenge of incorporating connectivity science into coral reef management now: principles and practice. *Coral Reefs*, 28: 353-366.
99. Botsford, L.W., White, J.W., Coffroth, M.-A., Paris, C.B. , **Planes, S** , Shearer, T.L., Thorrold, S.R., Jones, G.P. 2009. Connectivity and resilience of coral reef metapopulations in MPAs: matching empirical efforts to predictive needs. *Coral Reefs*, 28: 327-337
98. Fauvelot, C., Smith-Keune, C., Jerry, D.R., Buston, P.M., **Planes, S**. 2009. Isolation and characterization of 16 microsatellites loci in the humbug damselfish *Dascyllus aruanus* (family Pomacentridae). *Molecular Ecology Resources*, 9:651-653.
97. Buray, N., Mourier, J, **Planes, S.**, Clua, E. 2009. Underwater photo-identification of a sicklefin lemon shark (*Negaprion acutidens*) population at Moorea (French Polynesia). *Cybiuum*, 33: 21-27.
96. Chlaida, M., Laurent, V., Kifani, S., Benazou, H., Jaziri, H., **Planes, S**. 2009. Evidence of a genetic cline on *Sardina pilchardus* along the Northwestern Africa coasts. *ICES Journal of Marine Science*, 66: 264-271.
95. Saenz-Agudelo, P., Jones, G.P., Thorrold, S.R., **Planes, S.**, 2009. Estimating connectivity in marine populations: an empirical evaluation of assignment tests and parentage analysis at different spatial scales. *Molecular Ecology*. 18, 1765–1776
94. **Planes, S.**, Jones, G.P., Thorrold, S.R., 2009. Larval dispersal connects fish populations in a network of marine protected areas. *Proceedings of the National Academy of Science USA*. 106: 5693-5697.
93. Leray, M., Beldade, R., Holbrook, S., Schmitt, R., **Planes, S.**, Bernardi, G., 2008. Isolation and characterization of 13 polymorphic nuclear microsatellite primers for the widespread Indo-Pacific three-spot damselfish, *Dascyllus trimaculatus*, and closely related *D. auripinnis*. *Molecular Ecology Resources*. 9, 213–215
92. Ojeda-Martinez, C., Gimenez Casalduero, F., Bayle-Sempere, J.T., Barbera Cebrian, C., Valle, C. Sanchez-Lizaso, J.L., Forcada, A., Sanchez-Jerez, P., Martin-Sosa, P., Falcon, J.M., Salas, F., Graziano, M., Chemello, R., Stobart, B., Cartagena, P., Perez-Ruzafa, A., Vandeperre, F., Rochel, E., **Planes, S.**, Brito, A. 2009. A conceptual framework for the integral management of marine protected areas. *Ocean & Coastal Management* 52; 89–101.

2008

91. Garcia-Charton, J.A., Perez-Ruzafa, A., Marcos, C., Claudet, J., Badalamenti, F., Benedetti-Cecchi, L., Falcon, J.M., Milazzo, M., Schembri, P.J., Stobart, B., Vandeperre, F., Brito, A., Chemello, R., Dimech, M., Domenici, P., Guala, I., Le Dire´ach, L., Maggi, E., **Planes, S**. 2008, Effectiveness of European Atlanto-Mediterranean MPAs: Do they accomplish the expected effects on populations, communities and ecosystems? *Journal for Nature Conservation* 16: 193-221.
90. Perez-Ruzafa, A., Martin, E., Marcos, C., Zamarro, J.M., Stobart, B., Harmelin-Vivien, M., Polti, S., **Planes, S.**, Garcia-Charton, J.A., Gonzalez-Wanguemerta, M. 2008, Modelling spatial and temporal scales for spillover and biomass exportation from MPAs and their potential for fisheries enhancement. *Journal for Nature Conservation* 16: 193-221.
89. Raventos, N, **Planes, S.**, 2008. Maternal size effects on early life traits of the temperate fish *Symphodus roissali*. *Aquatic Biology* 4: 1-6.
88. Dixon, D.L., Jones, G.P., Munday, P.L., **Planes, S.**, Pratchett, M.S., Srinivasan, M., Syms, C., Thorrold, S.R. 2008. Coral reef fish smell leaves to find island homes. *Proceedings of the Royal Society B, London*, 275: 2831–2839.
87. Goñi R, Adlerstein S, Alvarez-Berastegui D, Forcada A, Reñones O, Criquet G, Polti S, Cadiou G, Valle C, Lenfant P, Bonhomme P, Perez-Ruzafa A, Sánchez-Lizaso J-L, García-Charton J, Bernard G, Stelzenmüller V, **Planes S.**, 2008. Evidence of spillover from six Western Mediterranean marine protected areas measured from artisanal fisheries. *Marine Ecology Progress Series* 366: 159–174.

86. Crec'hriou, R., Bonhomme, P., Criquet, G., Cadiou, G., Lenfant, P., Bernard, G., Roussel, E., Le Diré'ach, L., **Planes, S.**, 2008. Spatial patterns and GIS habitat modelling of fish in two French Mediterranean coastal areas. *Hydrobiologia*, 612:135–153.
85. Ferrari, B., Raventos, N., **Planes, S.** 2008. Assessing effects of fishing prohibition on *Posidonia oceanica* seagrass meadows in the Marine Natural Reserve of Cerbere-Banyuls. *Aquatic Botany*, 88: 295-302.
84. Claudet, J., Osenberg, C.W., Benedetti-Cecchi, L., Domenici, P., Garcia-Charton, J.A., Perez-Ruzafa, A., Badalamenti, F., Bayle-Sempere, J., Brito, A., Bulleri, F., Culioli, J.M., Dimech, M., Falcon, J.M., Guala, I., Milazzo, M., Sanchez-Meca, J., Somerfield, P.J., Stobart, B., Vandeperre, F., Valle, C., **Planes, S.** 2008. Marine reserves: size and age do matter. *Ecology Letters*, 11: 481-489.
83. Kochzius, M., Noelte, M., Weber, H., Silkenbeumer, N., Hjoerleifsdottir, S., Hreggvidsson, G.O., Marteinsson, V., Kappel, K., **Planes, S.**, Tinti, F., Magoulas, A., Vazquez, E.G., Turan, C., Hervet, C., Falgueras, D.C., Antoniou, A., Landi, M., Blohm, D. 2008. DNA microarrays for identifying fishes. *Marine Biotechnology* 10: 207-217.

2007

82. Almany G.R., Berumen M.L., Thorrold S.R., **Planes S.** and Jones G.P. 2007. Local Replenishment of Coral Reef Fish Populations in a Marine Reserve. *Science* 316: 742-744.
81. Fauvelot C., Lemaire C., **Planes S.** and Bonhomme F. 2007. Inferring gene flow in coral reef fishes from different molecular markers: which loci to trust? *Heredity* 99: 331-339.
80. Gilbert A., **Planes S.**, Andréfouët S., Friedman K., Remoissenet G. 2007. First observation of the giant clam *Tridacna squamosa* in French Polynesia: a specie range extension. *Coral Reefs* 26: 229.
79. Laurent V. and **Planes S.** 2007. Effective population size estimation on *Sardina pilchardus* in the Bay of Biscay thanks to temporal genetic approach. *Biological Journal of the Linnean Society* 90: 591-602.
78. Laurent V., Caneco B., Magoulas A. and **Planes S.** 2007. Isolation by distance and selection effects on genetic structure of sardines, *Sardina pilchardus*. *Journal of Fish Biology* 71: 1-17.
77. Lecchini D., **Planes S.** and Galzin R. 2007. The influence of habitat characteristics and conspecifics on attraction and survival of coral reef fish juveniles. *Journal of Experimental Marine Biology and Ecology* 341: 85-90.
76. Stobart B., García-Charton J.A., Espejo C., Rochel E., Goñi R., Reñones O., Perez-Ruzafa A., Herrern A., Crec'hriou R., Polti S., Marcos C and **Planes S.** 2007. Applying a baited underwater video technique to assess shallow demersal Mediterranean fish assemblages: a methodological assessment. *Journal of Experimental Marine Biology and Ecology* 345: 158-174.

2006

75. Blohm D., Kochzius M., Steller U., Garcia Vazquez E., Kaufmann U., Kristjansson J. K., Magoulas A., Medlin L., **Planes S.**, Kauppinen S., Tinti F., Turan C. 2006. Towards DNA chip technology as a standard analytical tool for the identification of marine organisms in biodiversity and ecosystem science (Fish & Chips). *Journal of Fish Biology* 69: 248-249.
74. Galzin R., Lecchini D., Williams J., **Planes S.** and Menou J.-L. 2006. Ecologie et biodiversité des poissons coralliens sur l'île de Rapa (Archipel des Australes, Polynésie française). *Cybiuim* 30 : 221-234
73. Laurent V., Voisin M. and **Planes S.** 2006. Genetic clines in the Bay of Biscay provide estimates of migration for *Sardina pilchardus*. *Journal of Heredity* 97:81–88
72. Lecchini D., Polti S., Nakamura Y., Mosconi P., TsuchiTYa M, Remoissenet G. and **Planes S.** 2006. New perspectives on aquarium fish trade. *Fisheries Sciences* 72 : 40–47.
71. Lopez-Legentil S., Turon X. and **Planes S.** 2006. Genetic structure of the star sea squirt, *Botryllus schlosseri*, introduced in southern European harbours. *Molecular Ecology* 15 :3957-3967.

70. Thorrold S.R., Jones G.P., **Planes S.**, and Hare J.A. 2006. Transgenerational marking of embryonic otoliths in marine fishes using barium stable isotopes. *Canadian Journal for Fisheries and Aquatic Sciences* 63: 1-5.
69. Williams J.T., Wantiez L., Chauvet C., Galzin R., Harmelin-Vivien M., Jobet E., Matthieu Juncker M., Mou-Tham G., **Planes S.** and Sasal P. 2006. Checklist of the shorefishes of Wallis Islands (Wallis and Futuna French Territories, South-Central Pacific). *Cybium* 30: 247-260.

2005

68. Jones, G.P., **Planes, S.** and S.R. Thorrold 2005. Coral reef fish larvae settle close to home. *Current Biology*, 15: 1-5.
67. Lecchini, D., **S. Planes** and R. Galzin 2005. Experimental assessment of sensory modalities of coral-reef fish larvae in the recognition of their settlement habitat. *Behavioral Ecology and Sociobiology*, 56: 18-26.
66. Lo-Yat A., Meekan M., Munksgaard N., Parry D., **Planes S.** and Wolter M. 2005. Spatial variation in the elemental composition of otoliths of *Stegastes nigricans* (Pomacentridae) in French Polynesia. *Coral Reefs* 24: 646-653.
65. Marinaro, J.Y., Roussel, E., Lawson, J., Crec'hriou, R. and **S. Planes** 2005. Premier signalement d'une reproduction effective du mérour brun, *Epinephelus marginatus*, dans la réserve de Cerbère-Banyuls (France). *Cybium*, 29 (2): 198-200.
64. **Planes, S.**, Galzin, R., Bablet, J.P. and P.F. Sale 2005. Stability of coral reef fish assemblages impacted by nuclear tests. *Ecology*, 86: 2578-2585.
63. Sale P.F., Cowen R.K., Danilowicz B.S., Jones G.P., Kritzer J.P., Lindeman K.C., **Planes S.**, Polunin N.V.C., Russ G.R., Sadovy Y.J. and Steneck R.S. 2005. Critical science gaps impede use of no-take fishery reserves. *Trends in Ecology and Evolution*, 20: 74-80.

2004

62. Doherty P.J., Dufour V., Galzin R., Hixon M.A., Meekan, M. and **Planes S.** 2004. The cost of settlement to a coral reef fish. *Ecology*, 85: 2422-2428.
61. Galzin R., Crec'hriou R., Lenfant P., **Planes S.** 2004. Marine protected areas: a laboratory for scientific research. *Revue d'Ecologie – La Terre et la Vie* 59: 37-48
60. Irisson J.-O., Le Van A., De Lara M. and **Planes S.** 2004. Strategies and trajectories of coral reef fish larvae optimizing self-recruitment. *Journal of Theoretical Biology*, 225: 205-218.
59. **Planes S.**, Romans P. and Lecchini D. 2004. Genotype-phenotype relationship - evidence of genetic selection for growth in new recruits of a marine fish. *Molecular Ecology*, 13: 2049-2060.
58. Quenouille B., Bermingham E. and **Planes S.** 2004. Molecular systematics of the damselfishes (Pomacentridae, Perciformes): Bayesian phylogenetic analyses of mitochondrial and nuclear DNA sequences. *Molecular Phylogenetic Evolution*, 31: 66-88.
57. Quenouille, B., Y. Bouchenak-Khelladi, C. Hervet and **S. Planes** 2004. Eleven microsatellites loci for the saddleback clownfish *Amphiprion polymnus*. *Molecular Ecology*, 4(2): 291-293.

2003

56. Fauvelot C., Bernardi G., and **Planes S.**, 2003. Reduction in the mitochondrial DNA diversity of coral reef fish provide evidence of bottlenecks resulting from Holocene sea-level change. *Evolution*, 57: 1571-1583.
55. Lloret J. and **Planes S.** 2003. Condition, feeding and reproductive success of white seabream (*Diplodus sargus*) as indicators of habitat quality and the effect of protection in the northwestern Mediterranean. *Marine Ecology Progress Series*, 248: 197-208.

2002

54. Fauvelot C. and **Planes S.** 2002. Understanding origins of actual genetic structure in marine fish: biologically or historically driven patterns? *Marine Biology*, 141: 773-788.
53. Laurent V., **Planes S.** and Salvat B. 2002. High variability of genetic pattern according to loci in giant clam (*Tridacna maxima*) within French Polynesia. *Biological Journal of the Linnean Society*, 77: 221-228.
52. Lecchini D., Lenfant P. and **Planes S.** 2002. Variation in abundance and population dynamics of sea-urchin (*Paracentrotus lividus*) on Catalan coasts (north-western Mediterranean) in relation to habitat and marine reserve. *Vie et Milieu*, 52: 111-118.
51. Lenfant P. and **Planes S.** 2002. Temporal genetic changes between cohorts in a natural population of a marine fish, *Diplodus sargus*. *Biological Journal of the Linnean Society*, 76: 9-20.
50. **Planes S.** 2002. Biogeography and larval dispersal inferred from population genetic analysis In: "The ecology of fishes on coral reefs." (P.F. Sale, ed.), Academic Press Inc, San Diego 201-220.
49. **Planes S.** and Fauvelot C. 2002. Isolation by distance and vicariance driving genetic structure of a coral reef fish in the Pacific Ocean *Evolution*, 56: 378-399.
48. **Planes S.** and P. Lenfant. 2002. Temporal change in the genetic structure between and within cohorts of a marine fish, *Diplodus sargus*, induced by a large variance in individual reproductive success. *Molecular Ecology*, 11: 1515-1524.
47. **Planes S.**, G. Lecaillon, P. Lenfant and M. Meekan, 2002. Genetic and demographic variation in new recruits of *Naso unicornis*, a coral reef fish. *Journal of Fish Biology*, 61: 1033-1049.
46. S. McCafferty, E. Bermingham, B. Quenouille, **S. Planes**, G. Hoelzer and K. Asoh. 2002. Historical biogeography and molecular systematics of the Indo-Pacific genus *Dascyllus* (Teleostei: Pomacentridae). *Molecular Ecology*, 11: 1377-1392.

2001

45. Medioni E., Lecomte-Finiger R. and **Planes S.** 2001. A comparative study of two color morphs of *Cabrilla seabass*. *Journal of Fish Biology*, 58: 1113-1124.
44. **Planes S.** and Lecaillon G. 2001. A caging experiment to examine mortality during metamorphosis of coral reef fish larvae. *Coral Reefs*, 20: 211-218.
43. **Planes S.**, Doherty P.J. and Bernardi G. 2001. Unusual case of extreme genetic divergence in a marine fish, *Acanthochromis polyacanthus*, within the Great Barrier Reef and the Coral Sea. *Evolution*, 55: 2263-2273.

2000

42. Adjeroud M., **Planes S.**, and Delesalle B. 2000 High diversity of coral reef communities in Papeete harbour (Tahiti, French Polynesia), a disturbed environment. *Atoll Research Bulletin*, 484: 1-6.
41. Bonhomme F. and **Planes S.**, 2000. Some genetic arguments about what maintains the pelagic phase in reef fishes. *Environmental Biology of Fishes*, 59: 365-383.
40. Fauvelot C. et **Planes S.**, 2000. Influence de la dispersion larvaire sur la structuration des populations et la biogéographie: exemple des poissons récifaux. *Océanis*, 26 (3): 497-522.
39. **Planes S.**, Galzin R., Garcia-Rubies A., Goñi R., Harmelin J.-G., Le Diréach L., Lenfant P. and Quetglas A., 2000. Effects of marine protected areas on recruitment processes in the Mediterranean ecosystems. *Environmental Conservation*, 27 (2): 126-143.
38. Polunin N., Goni R. and **Planes S.**, 2000. The Mediterranean: degradation of a large marine ecosystem and the science of recovery. *Environmental Conservation*, 27 (2): 95-97.

1999

37. **Planes S.**, Macpherson E., Biagi F., Garcia-Rubies A., Harmelin J., Harmelin-Vivien M., Jouvenel J.-Y., Tunesi L., Vigliola L. and Galzin R., 1999. Spatio-temporal variability in growth of juveniles sparid fishes from the Mediterranean littoral zone. *Journal of the Marine Biological Association of United Kingdom*, 79 : 137-143.

1998

36. Galzin R., **Planes S.**, Adjeroud M., Chauvet C., Doherty P. and Poupin J., 1998. Objectives and background to the 1994 Franco-Australian expedition to Taiaro Atoll (Tuamotu Archipelago, French Polynesia). *Coral Reefs*, 17: 15-21.
35. **Planes S.** 1998. Biogeography of coral reef fish in the Pacific. *Océanis*, 24: 197-206.
34. **Planes S.** and Lecaillon G., 1998. Genetic consequence of introduction of coral reef fish in Hawaiian islands. *Biological Journal of the Linnean Society*, 63: 537-552.
33. **Planes S.**, Jouvenel J.-Y. and Lenfant P., 1998. Density dependence processes on juveniles of sparid fish in the littoral of the Mediterranean Sea. *Oikos*, 83: 293-300.
32. **Planes S.**, Parroni M. and C. Chauvet, 1998. Genetic analysis of population structure in relation with larval duration in three species of coral reef fishes from New Caledonia. *Marine Biology*, 130: 361-368.
31. **Planes S.**, Romans P., and Lecomte-Finiger R., 1998. Genetic evidence of restricted life cycle for coral reef fish within Taiaro lagoon (Tuamotu Archipelago, French Polynesia). *Coral Reefs*, 17: 9-14.

1997

30. Macpherson E., Biagi F., Francour P., Garcia-Rubies A., Harmelin J., Harmelin-Vivien M., Jouvenel J.Y., **Planes S.**, Vigliola L. and Tunesi L., 1997. Mortality of juveniles fishes of the genus *Diplodus* in protected and unprotected areas in the Western Mediterranean Sea. *Marine Ecology Progress Series*, 160: 135-147.
29. **Planes S.** and Doherty P. J., 1997. Genetic and color interactions at a contact zone of *Acanthochromis polyacanthus*: a marine fish lacking pelagic larvae. *Evolution*, 51: 1232-1243.
28. **Planes S.** and Doherty P. J., 1997. Genetic relationships of the color morphs of *Acanthochromis polyacanthus* (Pomacentridae) in the northern Great Barrier Reef. *Marine Biology*, 130 (1): 109-117.
27. **Planes S.** et Galzin R., 1997 Phylogeography and population genetic : new perspectives in marine biogeography *Vie et Milieu*, 47: 375-380.
26. **Planes S.**, 1997. Genetic diversity and dispersal capabilities in marine fish. *Evolutionary Biology*, 30: 253-298.
25. **Planes S.**, Hertel O. and Jouvenel, 1997. Analysis of condition and swimming performance in juveniles of White Sea Bream, *Diplodus vulgaris*. *Journal of the Marine Biological Association of United Kingdom*, 77: 913-916.

1996

24. Lenfant P. and **Planes S.**, 1996. Genetic differentiation of the white sea bream, *Diplodus sargus*, within the Lion's Gulf and the Ligurian Sea (Mediterranean Sea). *Journal of Fish Biology*, 49: 613-621.
23. Lenfant P. and **Planes S.**, 1996. Using allozyme markers to distinguish populations of *Diplodus sargus* (Perciformes : Sparidae) in the occidental Mediterranean Sea. *Isozymes Bulletin*, 29: 32.
22. **Planes S.**, 1996. Mise en évidence d'une zone hybride restreinte entre deux morphes chromatiques chez un poisson de récif corallien, *Acanthochromis polyacanthus*. *Bulletin de la Société Zoologique de France*, 121 (1): 111-114.
21. **Planes S.**, Galzin R. and Bonhomme F., 1996. A metapopulation model : the *Acanthurus triostegus* in French Polynesia. *Journal of Evolutionary Biology*, 9: 103-117.

20. Done T.J. with Biocore working group including **S. Planes**, 1996. Biodiversity and ecosystem functions of coral reefs (393-429). In : Functional roles of biodiversity : A global perspective. Ed. by H.A. Mooney, J.H. Cushman, E. Medina, O.E. Sala & E.-D. Schulze, Scope n°55 John Wiley & Sons Ltd UK, 493 pp.

1995

19. **Planes S.**, Doherty P.J. and Benzie J., 1995. Evidence of a dimeric esterase in *Acanthochromis polyacanthus* (Bleeker). *Isozymes Bulletin*, 28 : 23-25.
18. **Planes S.** and Doherty P. J., 1995. Les Bungalows d'hotels sur pilotis en milieu corallien : une perturbation bénéfique pour les peuplements ichtyologiques. *Oceanologica Acta*, 18 : 123-128.
17. Dufour V., **Planes S.** et Doherty P., 1995. Le recrutement des poissons dans les récifs coralliens. *La Recherche*, 277 : 640-647.
16. Doherty P. J., **Planes S.** and Mather P., 1995. Analysis of gene flow in relation with larval duration on coral reef fish through the Great Barrier Reef. *Ecology*, 76 : 2373-2391.
15. Doherty P., Dufour V. and **Planes S.**, 1995. Reef Sights : New recruits of *Zanclus cornutus*. *Coral Reefs* , 14 : 26.

1994

14. Galzin R., **Planes S.**, Dufour V. and Salvat B. 1994. Variation in diversity and life cycle of coral reef fishes among French Polynesian atolls. *Coral Reefs* , 13 : 175-180.
13. Gabrié C., **S. Planes**, J. Baldwin, J. Bonvallot, C. Chauvet, Y. Fontaine-Vernaudon, C. Payri and R. Galzin, 1994. Studie of the coral reefs of Bora-Bora (Society Archipelago, French Polynesia) for the development of a conservation and management plan. *Ocean and Shoreline Management*, 25 : 189-216.
12. Doherty P., Mather P. and **Planes S.**, 1994. *Acanthochromis polyacanthus*, a fish laking larval dispersal, has genetically differentiated populations at local and regional scales on the Great Barrier Reef, *Marine Biology*, 121 : 11-21.
11. **Planes S.**, Borsa P., Galzin R. and Bonhomme F., 1994. Genetic structure and geneflow in the manini (convict surgeonfish, *Acanthurus triostegus*) in the south-central Pacific. In: Beaumont A.R. (ed.), *Genetic and Evolution of Aquatic Organisms*, Chapman & Hall, London: 113-121.

1993

10. **Planes S.**, Lefevre A., Legendre P. and Galzin R., 1993. Spatio-temporal variability in fish recruitment on a coral reef (Moorea, French Polynesia). *Coral Reefs.*, 12 : 105-113.
9. **Planes S.**, Chauvet C., Baldwin J., Bonvallot J., Fontaine-Vernaudon Y., Gabrie C., Holthus P., Payri C. and Galzin R., 1993. Some aspect of touristic impact on the family Tridacnidae in Bora-Bora reef lagoon (French Polynesia). *Atoll Res. Bull.*, 385 : 1-7.
8. **Planes S.**, Bonhomme F. and Galzin R., 1993. Genetic variations and population structure of the Damselfish, *Dascyllus aruanus*, in French Polynesia. *Marine Biology*, .117 : 665-674.
7. **Planes S.**, 1993. Genetic differentiation in relation to restricted larval dispersal of the convict surgeonfish, *Acanthurus triostegus*, in French Polynesia. *Marine Ecology Progress Serie*, 98 : 237-246.
6. **Planes S.**, 1993. Evidence of differentiated stock of *Acanthurus triostegus* (Pices, Acanthuridae) between archipelagos of French Polynesia, using electrophoretic data. *Fishery Research*, 16(4) : 287-299.
5. **Planes S.**, 1993. Analysis of a lunar growth rhythm on the larvae and juveniles of sea-bass (*Dicentrarchus labrax*). *C. R. Acad. Sci. Paris*, 316 (Série III), 197-203.

1990

1. **Planes S.** et Laval P., 1990. Mise au point d'une méthode de lecture des otolithes par analyse d'image et étude de la croissance des larves et juvéniles de loup (*Dicentrarchus labrax*). *J. Rec. Océan.*, 1, 42-45 p.