



10 years of actions
in French Polynesia

CONSERVATION - EDUCATION - RESEARCH

2004  2014



VETERINARY DOCTOR •
 PHD IN MARINE
 ECOLOGY • PRESIDENT
 AND BOARD MEMBER OF
 TE MANA O TE MOANA •
 MASTERS IN BUSINESS ADMINISTRATION
 FROM IAE • MASTER IN
 MANAGEMENT AND MARKETING
 LAW HEALTHCARE INDUSTRIES IPB
 • CO-FOUNDING MEMBER
 AND MEMBER OF THE
 WORLD OCEAN NETWORK OFFICE
 • MEMBER OF THE IUCN
 INTERNATIONAL COMMITTEE OF
 EXPERT ON SEA TURTLES •
 FOUNDER MEMBER OF
 THE MARITIME CLUSTER
 IN FRENCH POLYNESIA



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Dr. Cécile Gaspar

“ For over 10 years, our association, Te mana o te moana, has been working tirelessly to educate, advocate, research and conserve the marine environment in French Polynesia. Coral reefs, sea turtles, marine mammals, eco-citizenship, etc. are the « flagship » thematics of our association, but we continue to develop our research, conservation and educational programs in all fields that may have an impact on the health of our planet. Join our network and observatories, help us to continue our work so that together we can believe in the future and work to keep the oceans beautiful, fertile, diverse, and an inexhaustible source of sustainable life... so essential to our future. ”

PRESENTATION OF TE MANA O TE MOANA

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TE MANA O TE MOANA



An association founded on September 23rd, 2004

Through its education, public awareness, conservation, and research activities, the association works for the protection of the marine environment in French Polynesia and in the world. The association is also a member of the World Ocean Network (ROM) of IFRECOR Polynesia (French Coral Reef Initiative), FAPE (Federation of Associations for Protection of the Environment Polynesia), SEO (Society of Pacific Studies) and Proscience, the UPJ (Polynesian Union for Youth), FNE (France Nature Environnement) of the Maritime Cluster in French Polynesia and of the organization « Mission Blue » established by Dr Sylvia Earle.

 **APPROVED BY**
THE ENVIRONMENTAL CODE
OF FRENCH POLYNESIA

 **RECOGNIZED**
OF PUBLIC INTEREST

 **MEMBRE OF THE IUCN**
(International Union for
Conservation of Nature)

Thank you to all our volunteers...

Vanessa
Cher
Mary
Céline
Jérôme ... and all the others ...

... coordinators ...

Charlotte ESPOSITO
Coordinator of nature guides.
Responsible for field missions.
Nicolas LECLERC
Marine biologist.
Responsible for field missions.
Elena GORCHAKOVA-PERRY
Anne JANKELIOWITCH



... permanents 



Vie STABILE

DIRECTOR • EDUCATOR •
EDUCATIONAL PROJECTS
COORDINATOR • EXPERT ON THE
EDUCATION & COMMUNICATION
COMMISSION OF THE IUCN FRENCH COMMITTEE



Matthieu PETIT

MARINE BIOLOGIST •
RESEARCH & CONSERVATION
PROJECT COORDINATOR • HEAD OF
THE SEA TURTLE CLINIC



Magali SORIA

EDUCATOR • IN CHARGE OF
WELCOMING STUDENTS & CHILDREN
• **TURTLE CARETAKER**



Patrons of the association

“ Thanks to the partnership with Te mana o te moana, Ocean Futures Society’s research project on coral reefs was completed in French Polynesia. It was a great pleasure to collaborate with Cécile Gaspar and her team to carry together the message on the value of coral reefs: their importance for human beings, and the actions which need to be taken in order to protect them for future generations. Te mana o te moana carries out important work and we are very happy to collaborate with them. ”

Jean-Michel COUSTEAU - 2008
Explorer



“ The results Te mana o te moana has obtained since I have been a patron of the organization reinforce the pride and motivation I have for supporting their actions. Your 10-year report on your achievements in research, conservation work, and public awareness, especially to the younger generations is more than impressive. You are setting an example and contribute to develop a collective spirit around the protection of nature, which keeps progressing and succeeding through concrete and visible actions. Your volunteer turtle clinic, unique in the Pacific Ocean, is the perfect combination between scientific research and educating the population. I also admire your ability to cooperate with other organizations to create an effective synergy in favour of the ocean life in particular. You give a true meaning to « the Spirit of the Ocean », which has a great need for you. Bravo thank you and best wishes for your continuation. ”

Jean-François CLERVOY - 2009
Astronaut



“ The sumptuousness of the Pacific Ocean, the wealth of lagoons, and the incredible biodiversity of the reefs are part of our heritage; the one we want to leave to our children. From the coast to the open sea and the beaches to the depths of the trenches, the ocean provides us with valuable services. Our job is to preserve it. I share this desire with the association to provide young and older people with the constant amazement offered by the variety of blue landscapes of Polynesia. For 10 years, this association has been working to increase knowledge and awareness of the marine environment and its Polynesian inhabitants, and it is with constantly renewed pleasure that I participate in their actions and fund, through the Maud Fontenoy Foundation, sea turtle tagging. We share the objective of promoting the education of children on the topic of the ocean, to help them better understand it, and to teach them how to protect it. Good luck to Te mana o te moana! ”

Maud FONTENOY - 2012
Yacht Woman



“ During this year as a patron of Te mana o te moana, I was very happy to take part in the various awareness and protection programs of the oceans, the lagoons, and the animals which inhabit them. A big thank you to the team of Te mana o te moana for the work they put in every day and for sharing their experience with pleasure and joy. My personal investment does not stop there however; I will continue to support Te mana o te moana in their future endeavours. The protection of our lagoons and its animals is our future and we can keep going further! ”

Mehiata RIARIA - 2013
Miss Tahiti 2013



Key partners



Our permanent educational programs ●●●

Some
Numbers
TO

Number of welcomed students				
DISCOVERY	HONU	DELPHINEAU	MOANA	LAGON
14 493	2 013	7 303	2 958	1 024

There are more than 60 000 children who were welcomed in 10 years



All year long, we offer educational programs, projects, and partnerships with schools and develop educational tools. In the educational « fare » (house in Tahitian) « Moana at the environmental school », children and adults can while having fun, discover while having fun, how crucial it is to protect the ocean, its resources, and fauna and flora for future generations.



« DISCOVERY VISIT » Created in 2004

This fun visit accompanied by an educator enabled 14 493 students to discover the sea turtle clinic, its current residents, and the dolphins at the Moorea Dolphin Center.

All educational programs and their components are State approved by the Directorate General for Education and Teachings in French Polynesia (DGEE).

« HONU RÉCRÉ » Created in 2007

Focused on sea turtles, this program begins with a presentation of the reptiles followed by educational workshops in groups. The program ends with a visit to the sea turtle clinic where children discover the current residents and the provided care.

« DELPHINEAU RÉCRÉ » Created in 2005

The program begins with a presentation focused on cetaceans and continues with educational workshops. Pupils then enjoy a demonstration by one of the dolphins of the Moorea Dolphin Center.

« MOANA RÉCRÉ » Created in 2010

Combining different themes (marine mammals, sea turtles, and environment), the program consists of informative and educational games and continues with a visit to the sea turtle clinic and the dolphins' lagoon managed by the Moorea Dolphin Center.

« LAGON RÉCRÉ » Created in 2009

After having fun with educational and interactives games highlighting the richness of the marine world, the class discovers the coral garden designed by the association. Equipped with masks, students learn the varieties and role of each coral in the community.



CONSERVATION EDUCATION RESEARCH



The key words of the association

SEA TURTLES

The Sea Turtle Clinic ●●●

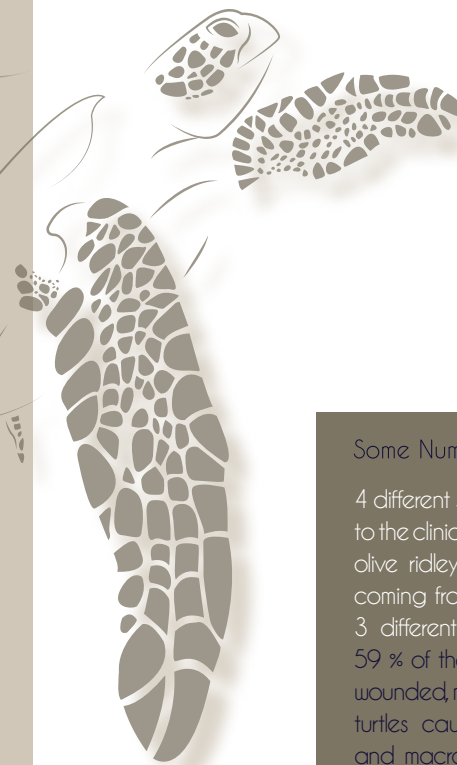


The sea turtle clinic was founded in February 2004, with the help and financial support from the Ministry of Environment, as part of a general program for the protection of sea turtles in French Polynesia. The InterContinental Moorea Resort and Spa Hotel agreed to develop part of its lagoon to accommodate the turtles.

The sea turtle clinic collects sick, injured, and maimed sea turtles, as well as the ones seized by the authorities. The clinic's mission is to provide medical supervision to later release them into the wild. The health center also recovers sea turtles found dead in order to perform autopsies. The center is thus contacted by many groups such as police departments, local

authorities, tourism providers, and many individuals. The staff of the association undergoes a rigorous monitoring of the turtles, maintains the clinic, and educates the public through educational programs and awareness campaigns publicized locally and internationally.

10 years after its creation, more than 400 turtles have been rescued of which over 180 have been released into the environment. The sea turtle clinic of Moorea became the Polynesian establishment of reference for the protection of sea turtles. Equipped with ponds, nurseries, a laboratory room, and an informative « fare », it is run by a team of specialists (veterinarians, biologists, trainers, technicians, and volunteers).



Some Numbers

4 different species of turtles have been brought to the clinic (green sea turtle, hawksbill sea turtle, olive ridley sea turtle, loggerhead sea turtle) coming from 14 different islands spread over 3 different archipelagos of French Polynesia. 59 % of the turtles that arrive at the clinic are wounded, mainly due to man (speargun hunting, turtles caught in fishing nets or fishing lines, and macro-waste pollution). The release ratio varies between 30 % and 50 % depending on the age of the turtle. One turtle, Costa Luna, stayed at the clinic 6 years before being released. A number of local and international



celebrities sponsored turtles at the clinic : Jean-Michel Cousteau, Yannick Noah, Jean-François Clervoy, Charlie Duke, Michel Buillard (mayor of Papeete), Edouard Fritch (President of the Polynesia), Georges Handerson, Miri Tatarata (In charge of marine environment - Direction for the Environment of French Polynesia). Over 40 000 students have visited the centre with their teachers during educational programs, school projects, or special event days with environmental themes. Located in

the enclosure of the hotel, the clinic welcomes over 10 000 visitors a year (locals and tourists).



Monitoring of green turtle nesting sites in Polynesia ●●●



In French Polynesia, only the green turtle lays its eggs regularly on the coast of the atolls and high islands between November and April. To better understand the characteristics of spawning and to also have a clue about

the number of turtles and their evolution, the association has for several years followed nesting sites on the Polynesian beaches. For example punctual monitoring of turtle nests and tracks were undertaken on Maiao, Maupiti, and Tupai.



Since 2007-2008, Te mana o te moana performs annual monitoring of nesting sites on the atoll of Tetiarioa. The results collected by our team showed that this low-lying island is one of the major nesting sites for green turtles in French Polynesia. The field teams travel the coast of Tetiarioa identifying tracks, nests, or attending laying of eggs overnight. The wealth of information collected allows the organization to learn more about the ecology of the species as well as establish recommendations for local inhabitants and conservation plans.

Some Numbers

Number of recorded turtle tracks

More than 1 300

Distance on foot

2,485 miles



Understanding how marine turtles, witnesses of millions of years of adaptation to changes in their environment, are affected by global warming may help us better understand the link between climate, ecosystems, and ecological processes. Since 2012, Te mana o te moana is interested in the sand temperature at the

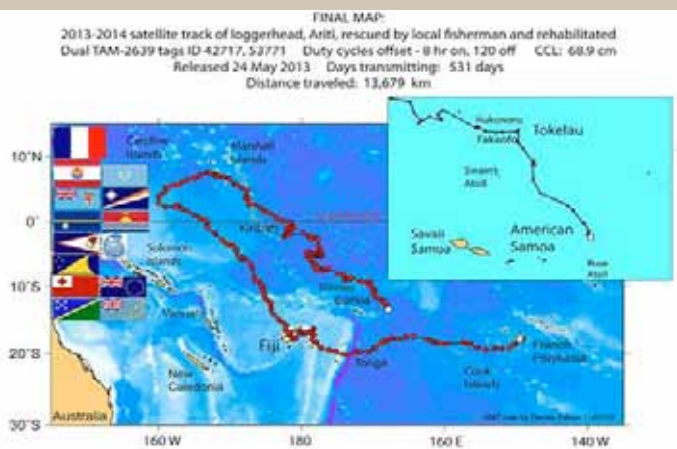
Tetiarioa nesting sites. The positioning of temperature sensors within nests of turtles or in control areas, enable us to better understand the course of the incubation, the sex ratio of the nests, and the influence of climate change on turtles nesting areas. Each year, a dozen sensors are used. In parallel, the association conducted a literature review on sea turtles and climate change, which was later broadcast on the association's network.

Satellite monitoring ●●●



The installation of satellite tags on sea turtles is a means of monitoring their journey and understanding their distribution and migration. Since 2010, Te mana o te moana has equipped 12 sea turtles with satellite transmitters and, in coordination with NOAA, has gathered unprecedented data on three species: the green

turtle, the hawksbill turtle and loggerhead turtle. Hawksbill turtles never satellite tracked before, showed restricted travels while adult green turtles migrated for 3,100 miles to the west Pacific and Fiji thus showing the importance of regional cooperation for their conservation. Finally, a loggerhead turtle was for the first time in French Polynesia fitted with a satellite tag in 2013 and has travelled an 8,060 miles odyssey in the Pacific, even crossing the equator during its journey.



Marine studies and counting



Marine turtles, their stocks, their distribution and their ecology are poorly known in French Polynesia. This lack of local data makes it difficult to implement conservation plans adapted to field characteristics and challenges of an area equivalent to the size of Europe. A study to

identify areas of habitat within coastal areas and record sea turtles (green and hawksbill) identifications was conducted from 2010 to 2012 in the Society Islands. 19 technicians and 21 observers have been specially trained in the « Manta-tow » method and took to the outside reef of Bora Bora, Maupiti, Tupai, Maiao, Moorea, and Tetiaroa. A total of 450 sea turtles sightings were recorded on over 620 miles of reef covered.

The first international symposium on sea turtles



Organized by Te mana o te moana this 1st Symposium was held in French Polynesia on October 26 and 27, 2010 at the Hotel InterContinental Moorea Resort and Spa on Moorea Island. It brought together a wide variety of participants composed of local associations, research centres, and representatives of fishermen, municipalities, environmental services, local authorities, as well as international scientists and residents engaged in the protection of their island.



Sea turtle observatory ●●●

The Sea Turtles Observatory in French Polynesia was established in 2011. To face the conservation issues of these endangered and protected species, the observatory constitutes a particularly important participative and awareness management tool and has a local and international component.



DEVELOP A NETWORK OF VOLUNTEERING OBSERVERS IN ALL POLYNESIAN ARCHIPELAGOS TO CONTRIBUTE TO EXISTING POLYNESIAN DATABASE ● DISTRIBUTE AVAILABLE INFORMATION ON MARINE TURTLES IN FRENCH POLYNESIA TO THE PUBLIC, TOURISTS, AND ENVIRONMENT PROFESSIONALS ● PROPOSE TECHNICAL SUPPORT VIA METHODOLOGICAL TRAINING OR HANDBOOK ● CREATE SUSTAINABLE LINKS WITH OTHER EXISTING NETWORKS IN THE PACIFIC AND FRENCH OVERSEAS ● PUSH FOR NEW INITIATIVES FOR RESEARCH AND CONSERVATION IN CONSULTATION WITH LOCAL INHABITANTS AND MEETING THE NEEDS IDENTIFIED ON THE GROUND ● SERVE AS A CONSULTANT SUPPORT TO THE FRENCH POLYNESIAN GOVERNMENT FOR ANY HELP ON THE GUIDANCE AND THE STRUCTURE OF ITS CONSERVATION ACTIONS



EDUCATIONAL PROJECTS

Some Numbers

Awareness number over 3,000 students

Honu chest

The « honu » (turtle in Tahitian) chest is an educational kit that brings together more than 30 media teachings on sea turtles (Booklet for teachers, board games, posters, charts, videos, albums, validation booklets of acquired knowledge, etc.). All its content was developed in collaboration with educational consultants and was approved



by the Directorate General of Education and Teachings of French Polynesia (DGEE). Offered for free to schools since the school year 2008-2009, it gives the teachers (grade 1 to grade 6) all the necessary tools to study sea turtles and their conservation. To expand the scope of the action to the South Pacific, its content has been translated into English, converted to DVD and distributed in French Polynesia,

as well as to French Overseas Governments and Territories and in South Pacific English-speaking countries in partnership with PROE.



Bula Honu « Let's follow sea turtles of the Pacific » ●●●

Initiated in 2011, the Observatory of cetaceans and sea turtles in French Polynesia was created to better inform and protect emblematic marine species of our Polynesian waters. As part of this educational, research, and conservation project, various actions have been implemented with children (tomorrow's generation). Thus the project « Bula HONU, let's follow the sea turtles of the

Pacific » was created during the 2014-2015 school year. Different classes from Tahiti, Moorea, and Tuamotu as well as Tonga, Samoa, New Caledonia, Fiji, and other South Pacific countries exchange and follow the journey of several sea turtles equipped with satellite tags. Together children discover the great journey of the sea turtles of French Polynesia and communicate on these ambassadors of the oceans in a participatory, collective, educational, and interactive way. Classes communicate many educational tools through a website and a page created by the Vice Rector of French Polynesia. As such all Pacific children work TOGETHER around the protection of sea turtles.

To follow the project : bulahonu.org



CORAL REEFS

Our underwater coral gardens & trails



UNDERWATER TRAILS

An underwater trail is a path, accessible to all, to discover what lies beneath the surface of the lagoon. In general, visitors, equipped with fins, mask and snorkel, follow a predefined path, often identified by buoys, which are attached to the submersed information leaflets. Fun and informative, this activity allows visitors to better know the reefs and their inhabitants and become aware of the need to preserve the marine environment. Intrigued by this principle, the association decided to develop underwater trails in French Polynesia in 2006.

CORAL GARDENS

The process of coral restoration consists of artificially enriching poor or degraded areas to recreate a coral environment attracting different species of flora and fauna, and to

promote natural colonization of the environment. For that purpose, transplants and cuttings may be used. The restoration is usually accompanied by scientific monitoring. Coral restoration techniques can be used to enrich lagoons intended for tourists.

3 underwater trails & 3 coral gardens were created or developed by Te mana o te moana

THE UNDERWATER REEF QUEST TRAIL LOCATED WITHIN THE CORAL GARDEN OF THE INTERCONTINENTAL HOTEL OF MOOREA ● THE SUBMARINE TRAIL OF THE TAHIAMANU (Mareto) BEACH, LOCATED IN OPUNOHU BAY IN MOOREA (IN PARTNERSHIP WITH THE SAILING SCHOOL OF ARUE FOR THE SAGA) ● THE MAUPITI SUBMARINE

TRAIL LOCATED IN A HOA (BETWEEN TWO « MOTU » (ISLET)) ● THE CORAL GARDEN OF THE INTERCONTINENTAL RESORT AND SPA MOOREA HOTEL (IN PARTNERSHIP WITH THE C.R.I.O.B.E) ● THE CORAL GARDEN OF THE INTERCONTINENTAL THALASSO RESORT AND SPA BORA BORA HOTEL ● THE CORAL GARDEN AT THE INTERCONTINENTAL LAGOONARIUM TAHITI HOTEL (IN PARTNERSHIP WITH BORAECOFISH).



Study of stingrays

Started in 2004, the research project on the Stingray Himantura fai was presented by the President of Te mana o te moana, Dr. Cécile Gaspar, in 2008 at the University of French Polynesia in the context of her PhD thesis in marine ecology under the direction of Dr. René Galzin at the Ecole Pratique des Hautes Etudes (EPHE). This study addresses the socio-economic impact of the tourism activity of feeding stingrays in the Moorea

lagoon, and took into account human and cultural factors, as well as economic impact. The journeys of the fed rays in the area of Tiahura using acoustic markers and a genetic study of this species on the whole Polynesian territory were also part of the research project. This work also contributed to the development of the « Charter on feeding stingrays » provided in the Maritime Space Management Plan of Moorea,

As part of her thesis, Cécile wished to communicate to local stakeholders the results of her scientific study. Thus, a practical guide on stingrays was produced and distributed for free to all eager to better understand and preserve these species.



Reef Check Network

Reef Check is an international program working with local communities, governments, and businesses to ensure scientific monitoring, improvement, and preservation of coral reef health. Reef Check has for its mission public awareness, the creation of a global network of volunteers trained to ensure regular monitoring of coral, and the support of local initiatives for the protection or rehabilitation of reefs. In recent years several members of the



association Te mana o te moana participated in a Reef Check training. Since then, each of them carries each year recordings of « his/her » portion of the lagoon to watch. As of 2015, the association will coordinate the French Polynesian Reef Check network.



Ad hoc studies

Our scientists work punctually on scientific studies entrusted to them by the Polynesian government, scientific partners, or private sponsors: a fish census in the lagoon of the PGEM (Management Plan for the Maritime Area of Moorea) with the CRILOBE, a study on the impact of moorings in Protected Marine Areas of Moorea, a pooling project of databases of reef biodiversity overseas, and further assessment of fish-bone populations in Tetiaroa.



EDUCATIONAL PROJECTS

The Coral Reefs Tool Kits : « A Present for the future »

In 2007-2008, Te mana o te moana led a major project to raise awareness of Polynesian children using an educational toolkit and conducting classroom activities to showcase the richness of coral reefs and the need to protect them. Behind the project was a meeting with Jean-Michel Cousteau whose foundation, Ocean Futures Society, developped a toolkit to sensitize the younger generations to the sustainable management of coral reefs. This toolkit, first distributed in American Samoa and British Virgin Islands, was entirely translated and adapted to the local Polynesian context by Te mana o te moana.

The « Coral Reefs Toolkit : a present for the future » was distributed for free in the all public and private schools of French Polynesia before the 2007-2008 school year. Presentations on coral reefs were given in schools to all CM2 classes (students aged 8 to 12) by specially trained educators. A big contest was then organized to celebrate the June 8 World Oceans Day. This « Sustainable Reefs » has reached 4205 students aged 8 to 12, and 173 teachers (this represents 80 % of the classes of this age range).



The booklet on coral reefs from French Overseas countries and territories



In the continuity of the « Sustainable Reefs » toolkit, Te mana o te moana decided to create a complementary tool, targeting teenagers and highschools students in French overseas territories. It aims at helping middle school teachers (and more specifically the level « Central Cycle » - 8th grade) to better educate and raise awareness about the vital sustainable management of coral reefs. It includes various tools (information, validation exercises of acquired knowledge, etc.) adapted to the different geographical environments of the French overseas territories. For over 4 years, this Booklet, whose content was validated by the teaching staff and was broadcast in 7 French overseas countries and territories, such as Mayotte, Guafeloupe, Martinique, Reunion, New Caledonia islands and was used as a reference Guideline in Science and geography by teachers.

Some
Numbers

Number of people made aware and copies created		
MIDDLE SCHOOL	MIDDLE SCHOOL STUDENTS	BOOKLET
226	25 000	2 000



Awareness raising of the Marine environment of Moorea ●●●

Made possible during 5 school years with the support of various entities, this educational project aims to educate all students in grades 4 to 6 (9-11 years) of Moorea towards the protection of their marine space and its emblematic species and aims at better understanding the PGEM (Management Plan for the Maritime Area of Moorea) set up in 2005. Students from the 7 schools of

Moorea are made aware of the protection in the maritime space of the island through numerous interactive and educational games on the good management of the lagoon, the respect of the PGEM, and endangered species. During learning sessions, students also visit a coral garden designed by the association where they find fish, corals, etc. At the end of the school year, classes perform various presentations to showcase the need to preserve the natural marine resources. For the 2013-2014 school year, each student also received a booklet « *Tohorā, humpback whale who are you ?* »

Some
Numbers



Awareness number
STUDENTS
over 1,000



FONDATION
POUR LA
NATURE
& L'HOMME



TE ME UM
Marquesan Society of Conservation

The Ocean Heritage project ●●●

For the school year 2014-2015, a large education and awareness project on conservation of Polynesian marine resources is being conducted in all Austral schools thanks to the support of PEW (Pew Charitable Trusts). Through this project, approved by the Directorate General for Education and Teachings (DGEE), various activities are carried out upstream in the institutions of the Elementary and Middle Schools of Tubuai, Rurutu, Rimatara, Raivavae, Rapa, Tahiti, and Moorea, educating students on the conservation of our marine ecosystem. An educational toolkit including posters, a board game, a teacher's guide, and a brochure is created and edited for wide distribution to the concerned public in the second awareness tour at the end of the school year. Finally, a contest completes the project and the educational content of the toolkit with « messages of hope from children to other children... »

Some
Numbers



Awareness number
STUDENTS
more than 680 (grades 3,4
middle school 5° & 6°)

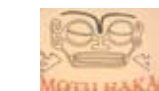


A Guide for the Educational label « Educative Marine Area » (AME)



In 2012, the Agency for Marine Protected Areas initiated a unique approach formalized in 2013 by the municipality of Tahuata (Marquesas) with the support of the Agency for Protected Marine Areas of the Marquesan Federation MOTUHAKA, of the French Polynesian Government, and of the municipalities community of the Marquesas islands. This

approach consists of creating an educative marine area (AME), meaning a coastal area managed in a participatory manner by students. Through the creation of a « label » the aim is to reward marine environment management by a school to better discover the diversity of Polynesian marine life and learn to better understand the need to conserve our insular marine resources. As part of this project, the association created an educational guide for teachers of grades 3 to 5 to provide all the tools necessary for the study of the marine world and its protection.



CETACEANS

EDUCATIONAL PROJECTS

The Cetaceans Observatory ●●●

In 2010, the association conducted awareness raising actions for tourism providers on sustainable tourism, recalling in particular regulations and « good practices » to meet when approaching cetaceans. On this occasion, the association discovered a need for information sharing and support to service providers as part

of their business. In 2011, the association decided to set up a Cetaceans Observatory in French Polynesia to better learn about the marine mammals' sanctuary regulated by the Polynesian government and its rules since 2002.

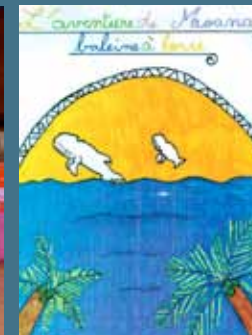


COLLECT OBSERVATION DATA ● SYNTHESIZE AND POPULARISE OBSERVATION DATA ● DISTRIBUTE INFORMATION ON MARINE MAMMALS ● CREATE SUPPORTS AND METHODOLOGICAL TOOLS TO SUPPORT SERVICE PROVIDERS AND BOATERS IN THE IMPLEMENTATION OF THEIR ENVIRONMENTAL COMMITMENT.



As part of the observatory, a study was conducted to better understand the population of spinner dolphins (*Stenella longirostris*) around the island of Moorea and promote the conservation of marine mammals in French Polynesia, through the Cetacean Sanctuary and the law implemented by the Ministry in charge of Polynesian Environment and the Direction of the Environment since 2002.

IDENTIFICATION SHEETS



Project « Tohorā, humpback whale who are you ? »



The Booklet on the French Polynesian humpback whale comes from an educational project produced with the support of the company TOTAL Polynesia and supported by the Directorate General of Education and Teachings in French Polynesia (DGEE). The booklet « *Tohorā, humpback whale who are you ?* » was directed to the attention of the students in elementary school (Cycle 3 (grades 3, 4, and 5)). Focused on marine mammals and « humpback whales, » 12,000 copies were published and distributed for free in schools of French Polynesia. Presentations were organized in more than 27 classes of Tahiti and Moorea raising awareness of more than 500 students to the conservation of cetaceans and compliance with applicable rules. Following the entertainment tour, a contest of written creations was organized whose outcome was celebrated Monday June 10, 2013, on the occasion of the celebration of World Oceans Day.



ENVIRONMENT

World Oceans Day ●●●

Each year, since 2009, when the General Assembly of the UN designated June 8 as Worlds Oceans Day, the association celebrates our oceans. The idea of a World Oceans Day was proposed for the first time in 1992 by the Canadian Government at the Earth Summit in Rio de Janeiro and supported by the UNESCO Intergovernmental Oceanographic Commission in 1998, the International Year of the Ocean. Since 2003, with the support from the Global Forum of Oceans, Coasts and Islands, the World Ocean Network and The Ocean Project have been closely working together to promote and coordinate the events and actions of aquariums, zoos, museums, science centers, and conservation and education organizations, as well as non governmental organisations around the world.



Some annual events that we celebrate :

NATURE FAIR ● CLEANING BEACHES DAY ● SCIENCE FAIR ● SUSTAINABLE DEVELOPMENT WEEK ● EARTH DAY ...

Science fair 2013

Every year, the Science Festival, a national event organized in France is held and relayed in the Departments and Governments of the overseas territories. For the 22nd edition in 2013, the association co-organized with the State and French Polynesia this other edition on the theme : « WATER in all its forms. » Various events were organized and offered in the middle and high schools of French Polynesia (conferences and

animations by Mr. Guillaume Nery, free dive world champion at -124 m). It was also an opportunity to disseminate the educational kits such as those of the Maud Fontenay's Foundation; propose movie projections but also to showcase and share the work of institutions, research centers, and players in water planning. **The event brought together more than 2,800 people.**



The valuation of pearl farming



The research program, POLYPERL, supported by Tahiti Fa'ahotu and funded by the National Research Agency Agrobiosphère 2011 improves

our knowledge of the pearl oyster and pearl farming in French Polynesia. The ultimate goal of the program POLYPERL is to expand the range of technological, economic, and social solutions and to ensure a viable pearl production. The work by the team of Te mana o te moana consists of promotion, extension, education, and communication related to the project. In this context, a website dedicated to professionals of pearl farming and the general public, allows access to extensive information on the pearl, the pearl industry, and scientific advances related to POLYPERL project. Different media such as information boards and an educational booklet has been brought to the attention of many audiences.



Support to Environmental Certification

Since 2005, the association has been supporting tourism businesses in French Polynesia in their implementation of Earth Check certification (formerly Green Globe). The association helps find solutions to a development that respects the environment and the local community.

In 2009, the InterContinental Moorea Resort & Spa Hotel was the first hotel group in Polynesia to receive the Green Globe certification. To date, the hotel is certified « Gold Certified. » Advice from Te mana o te moana experts and commitment of all the teams have improved waste management, to implement water and energy saving measures and to initiate a responsible policy for purchases. Employees of the hotel were trained on various issues relating to sustainable development by educators of the association.



Developing and promoting sustainable tourism

The project « Developing and promoting sustainable tourism in French Polynesia » was established in 2009. It aims at promoting the economic development of BoraEcoFish, a local company specialized in the collection and breeding of fish and invertebrates from ecological collection to protect reef resources. BoraEcoFish helps ecotourism and sustainable extraction of marine resources. As part of the project, the

association has made a strategic plan for the promotion of pilot experience with BoraEcoFish partners. The stages of sustainable tourism promotion project in French Polynesia also include the creation and distribution of information guides and training tourism providers in the lagoon. The training helped to understand the state of knowledge of providers on sustainable tourism, identifying and measuring their needs, and their involvement in environmental protection.

In 2009, the association produced a guide on promoting Sustainable Tourism in Polynesia, primarily intended for providers of marine activities and hosting structures, as well as a booklet to the attention of hotels dealing with eco-citizen gestures.



Conferences & trainings ●●●

Te mana o te moana organizes regular training on the marine natural environment for various audiences. It also gives public lectures relating to its areas of intervention. Each request and status is subject to a specific preparation for a perfect match for the content relative

to expectations. The complementary skills of the team, which includes educators, marine biologists, scientists, veterinarians, and divers can meet all kinds of demands on the marine environment. Some courses have been so successful in recent years that they became annual meetings.

Some
Numbers

Number of trainings
over 5,000



EDUCATIONAL PROJECTS

Manareva Operation : « from Ocean to Space, let's preserve our future ! »



In 2007, the association launched a wide awareness campaign to protect the blue planet with the starting point on Moorea; Operation Manareva, conducted by the association Te mana o te moana together with the UPJ (Polynesian Union for the Youth).

The goal was to bring about on a cloth pareo hundreds of signatures of young people from around the world and send this pareo in space on a space flight. On the pareo, prepared in collaboration with UPJ, featured the slogan « From the Earth to space, preserve our future. » The pareo was first presented to the UNESCO Youth Forum in Paris in October 2007, where it was signed and dedicated by dozens of young people

from all countries. Back to Moorea, it was yet again covered with other signatures and small words by children of the island. Then the pareo went to the port departure in the United States. The astronaut Rick Linnehan took the pareo with him into the space shuttle Endeavour during the mission in February 2008 to the International Space Station (STS-123) to give some height to these messages of hope for Earth.



Oceansemble project



The « Oceansemble » program at the initiative of the Acroporis Foundation targets global French pupils so that they discover, understand, and exchange on the theme of the ocean, its wealth, its biodiversity, and the threats that jeopardize its delicate balance and its resources on which humanity depends. This project has been renewed for 4 school years from 2007 to 2011 by the Association Te mana o te moana working with different classes throughout the school year on the theme of their choice related to saving the oceans. Several sessions are conducted on orienting new teachings and discoveries on the marine world, its species, its threats, and how to act. **More than 150 Polynesian children participated on the project.**



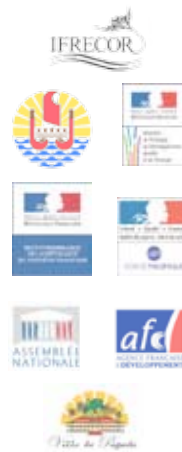
« Our Planet Under Water » project



In partnership with the association Alofa Tuvalu and the Ministry of the Environment in French Polynesia, an awareness campaign on climate change « Our Planet Under Water » was launched with the children and the general public through the example of Tuvalu: an archipelago of nine islands, lost in the South Pacific and the first nation threatened to disappear because of rising sea levels. This campaign was held in the gardens of the Papeete City Hall for 3 days on the occasion of Earth Day and in the scope of the « Week of water and climate change » organized by the Ministry of the Environment.

The following year, this project allowed the installation of « thermologgers » in the sand on the beaches of Tetiaroa for a study of the impact of temperature on sea turtle nests.

REALIZATION OF FOUR POSTERS AND ONE NOTICE TO THE ATTENTION OF SCHOOL CHILDREN • TRANSLATION AND DISTRIBUTION OF THE BOOKLET « ALOFA TUVALU, OUR PLANET UNDER WATER » IN FRENCH AND TAHITIAN • MAKING A SUMMARY OF REFERENCES ON THE IMPACT OF CLIMATE CHANGE ON MARINE TURTLES



Big cleanup of oceanic waste on beaches of the island of Tetiaroa



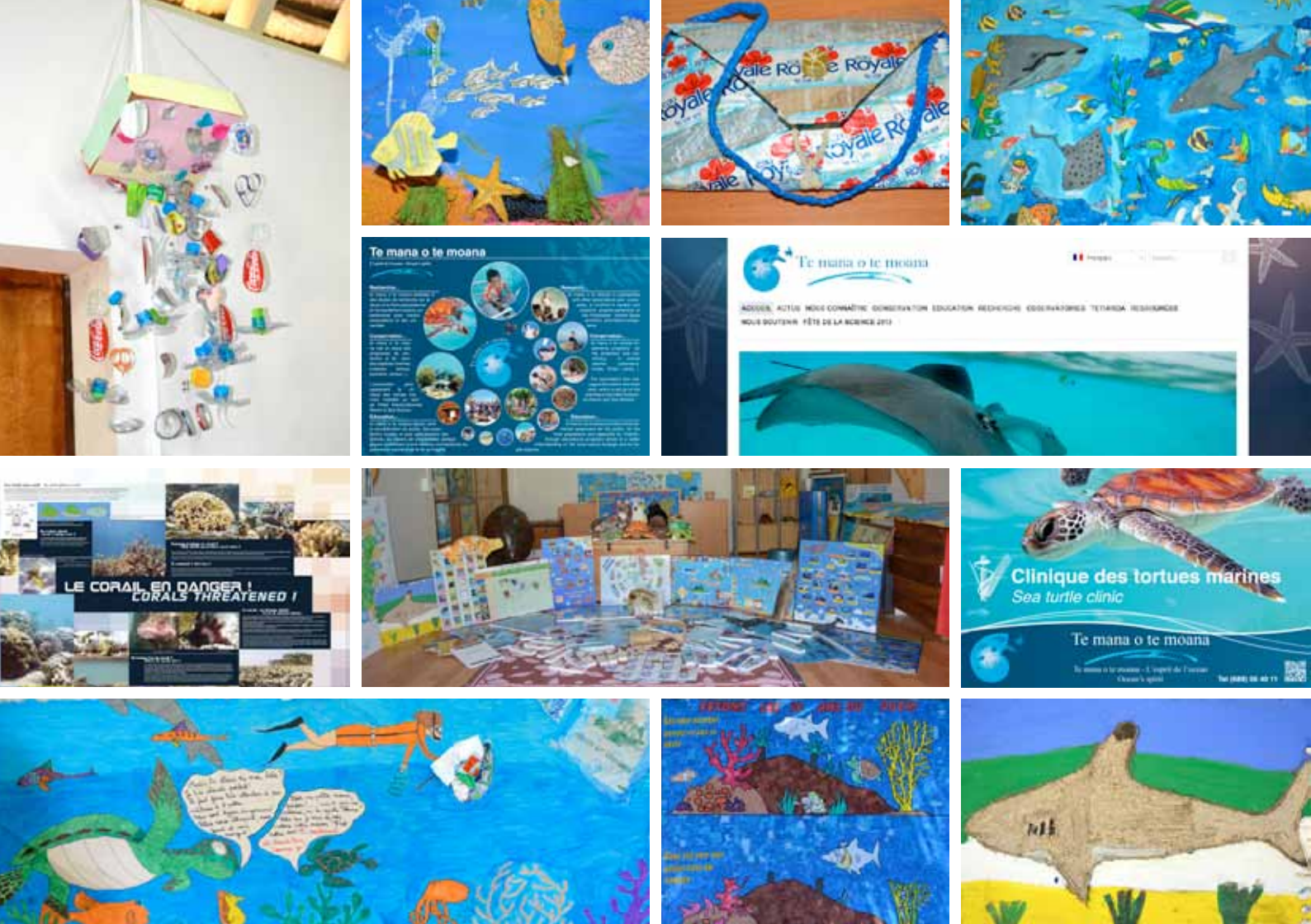
Many refuse collection are organized each year by the association with its members, volunteers, children, etc. In 2007, on the occasion of the celebration of Earth Day, the association decided to organize a wide cleanup action on the beaches of Tetiaroa, a nearly uninhabited island northwest of Tahiti that embodies the image of a preserved and pristine paradise. However, the beaches of the uninhabited atoll are littered with waste carried by the ocean. This great cleaning action gathered around 18,520 lbs of waste of all kinds (including about a third of recyclable waste), which were then repatriated to Tahiti and whose images were used to illustrate educational materials (Film and photo sensitization).

Water conservation

The Maud Fontenay Foundation has developed a kit on the topic of water in partnership with Te mana o te moana, UNICEF, and the One Drop Foundation based in Canada, to understand « why it is essential to conserve fresh and sea water. » This educational kit was distributed for the academic year 2012-2013 in all primary schools in metropolitan France and overseas in computer version, in cooperation with the Ministry of National Education. Locally, the association became the relay of the foundation and also leads animation

sessions in classes on Tahiti and Moorea. A total of 10 classes, nearly 300 children were visited by an educator and have been sensitized to the protection of water resources of the planet. Each class received a printed version of the kit and was invited to participate in the contest organized by the Foundation on June 8, 2013.





MORE THAN **400** TURTLES WELCOMED TO THE CLINIC OF WHICH MORE THAN **180** WERE RELEASED • **2** OBSERVATORIES INITIATED • **8** TONS OF WASTE COLLECTED THROUGH OVER **30** CLEANUP ORGANIZED • **6** CORAL GARDENS AND PATHS CREATED • **60 000** CHILDREN SENSITIZED • **4** EDUCATIONAL PROGRAMS ELABORATED • **10** BOARD GAMES REALIZED • **2** KITS • **2** CHARTERS • **40** POSTERS • **33** EDUCATIONAL SUPPORTS CREATED • **18** EDUCATIONAL PROJECTS STARTED • **320** DAYS OF EVENTS CELEBRATED • **40** REPRESENTATIONS AT NATIONAL AND INTERNATIONAL CONFERENCES • **100** PROJECT REPORTS REALIZED • **5** WEBSITES CREATED • **500** NEWS ARTICLES • **140** COVERAGES • **1** MOVIE DOCUMENTARY REALIZED • **1 500** GREEN SEA TURTLE NESTING SITES REPORTED ON THE ATOLL OF TETIAROA • **16** SATELLITE TRANSMITTERS PUT ON SEA TURTLES • **430** SEA TURTLE SIGHTINGS • **900** SIGHTINGS OF MARINE MAMMALS REPORTED • **457** SEA TURTLE SIGHTINGS AT SEA REPORTED THANKS TO THE « MANTA-TOW » TECHNIQUE • **58** RAYS RECORDED IN THE LAGOON OF MOOREA • **42** BONE-FISH TAGGED AND **600** SIGHTED

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We act at the scale of the whole of French Polynesia, with strong links with our Pacific neighbours...



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FOR THEIR SUPPORT SINCE MORE **10 YEARS**

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