

# SEACOLOGY

2010 Annual Report



Saving the world, one island at a time



## Seacology Projects Around the World

American Samoa (4)  
 Antigua  
 Australia  
 Belize (4)  
 Cape Verde  
 China  
 Cook Islands (5)  
 Dominica  
 East Timor  
 Ecuador  
 Egypt  
 Fiji (24)

French Polynesia (2)  
 Grand Cayman  
 Grenada  
 Iceland (2)  
 India (5)  
 Indonesia (51)  
 Jamaica  
 Kenya (3)  
 Madagascar (5)  
 Madeira (2)  
 Malaysia (4)  
 Maldives

Marshall Islands  
 Mexico (5)  
 Federated States of  
 Micronesia (10)  
 Palau (6)  
 Panama  
 Papua New Guinea (10)  
 Philippines (15)  
 Principe  
 Samoa (9)  
 Seychelles (3)  
 Sri Lanka (4)

Taiwan  
 Tanzania (3)  
 Thailand  
 Tonga (2)  
 Tuvalu  
 Uganda  
 USA (5)  
 U.S. Virgin Islands  
 Vanuatu (9)  
 Vietnam (3)

**S**eacology is the world's premier nonprofit environmental organization with the sole purpose of preserving endangered biodiversity of islands worldwide. Our win-win approach tackles both environmental and humanitarian threats, creating marine and terrestrial reserves on islands while improving the quality of life for the surrounding community. Seacology implements solutions by asking islanders to identify a communal need Seacology can support, such as an elementary school or fresh water delivery system for island villagers. In exchange, the village agrees to establish and manage a marine or terrestrial reserve.

The United Nations declared 2010 the "International Year of Biodiversity," and Seacology's work is more important than ever. **The extinction crisis facing ecosystems around the world is most threatening on islands, where over 75 percent of recent animal extinctions have occurred.** From coral reefs to mangrove forests, the world's islands house a multitude of unique habitats and wildlife. At the same time, island communities are under increased pressure to boost economic development even at the cost of environmental damage. As many of the world's most vulnerable islands are also among the smallest, these ecological gems are often overlooked.

Since its inception, **Seacology has funded 200 projects on islands around the globe, preserving 957,852 acres of coral reef and marine ecosystems and 852,651 acres of terrestrial habitat.** In return for establishing and protecting island marine and forest reserves, we have helped islanders build 87 facilities such as schools, health clinics, community centers, solar and hydro energy systems, and other critically-needed structures. In addition, we have also funded 36 programs providing educational materials, vital medical services and environmental training for island communities.

# MESSAGE FROM SEACOLOGY CHAIRMAN DR. PAUL COX

Seacology’s mission is to protect precious island habitats and cultures throughout the world. From inception, Seacology has pursued a very different approach to conservation than other organizations. Seacology partners with indigenous villagers who pledge to protect their forests or reefs in return for public projects such as schools or hospitals. That approach has worked on 114 islands in 44 different countries, allowing us to protect 852,651 acres of terrestrial habitat and 957,852 acres of coral reef and other marine resources.

Seacology’s genesis is unique. Born from a desperate attempt to save a Samoan rain forest from loggers, our first project—an island school—was funded from the pockets of a small group of individuals who cared. Seacology projects continue to be funded by caring individuals, foundations and corporations. As a result, the typical trappings of development, such as galas, expensive fund raising campaigns, telethons, etc. are missing from



Seacology. Basically, we simply focus on executing our mission, and find that individuals and foundations who prize mission execution join with us.

Seacology deliberately keeps the number of paid staff to a minimum; in fact, we operated for the first six years as a totally volunteer organization. Eschewing bureaucracy and red tape, Seacology relies on our small team of professionals aided by a world-wide coalition of local island representatives to initiate and monitor Seacology projects. Our lack of a large and highly compensated staff helped Seacology to weather the recent financial storms. Despite a difficult fiscal environment for philanthropy, Seacology has continued to execute its world-wide mission in an efficient manner.

California Academy of Sciences Senior Scientist Dr. John McCosker wrote, “Dollar for dollar, pound for pound, Seacology gets more output than any conservation group that I’ve seen. They’re not giving money away, they’re not making grants, they’re making deals.”

While “making deals” in Dr. McCosker’s sense refers to Seacology’s method of trading village-controlled conservation areas in return for schools, medical clinics, water supplies, and other public goods, Seacology truly is a “deal” for caring individuals and foundations. Seacology translates each gifted dollar into a mission outcome with extraordinary efficiency.

We thank you for your interest in Seacology, and hope that you join with us in our mission to protect islands throughout the world.

Paul Alan Cox  
Chairman of the Board

*Dr. Paul Cox with healer Lemau Seumantafa in Falealupo Village, Samoa (photo credit: Yoshiko Fukada).*

Seacology is Protecting:	Seacology Has Built or Funded:
<p><b>852,651</b> acres of island terrestrial habitat</p> <p><b>957,852</b> acres of coral reef and other marine habitat</p>	<p><b>104</b> schools, community centers, water systems and other critically needed facilities</p> <p><b>36</b> scholarship programs, vital medical services and supplies, and other crucial support for island communities.</p>


# 2010 SEACOLOGY PROJECT DESCRIPTIONS


The following projects were approved by Seacology's Board of Directors during 2010.

**ANTIGUA – Waste recycling baler and bins.** Antigua and Barbuda is a politically stable nation in the West Indies. The Antigua & Barbuda Waste Recycling Corporation (ABWREC) is a project of the Rotary Club of Antigua Sundown in partnership with the government's National Solid Waste Management Authority. Littering, overflowing landfills and the burning of garbage are serious problems faced by Antigua and all islands throughout the world. ABWREC provides collection, processing and exportation of recyclable materials; education and public awareness about recycling, waste reduction and management; and distribution of recycling bins. In addition to providing the only waste recycling service in the Eastern Caribbean, ABWREC also provides a unique social service in the community by recruiting staff through local drug rehabilitation centers, offering them the chance to re-enter the workforce. To assist ABWREC with the growing demand for its services, Seacology is providing funding for the purchase of a waste recycling baler to increase recycling capacity at the center.

**COOK ISLANDS, Muri Lagoon, Rarotonga - Renovation and upgrading of a village meeting house, and re-roofing of a health clinic, in exchange for the establishment of a 413-acre conservation area for a duration of 10 years.** Situated on the southern side of Rarotonga, Muri is a popular holiday resort; the beach and lagoon are used extensively by both visitors and Cook Islanders for recreation. The community requested assistance in upgrading their meeting house to a multi-purpose standard (cyclone evacuation center, cultural arts center, gymnasium, health care, etc.). Seacology provided funding for the renovating and upgrading of the village meeting house and health clinic; in exchange, the Muri community has declared 413 acres of the lagoon and surrounding area as a protected area for a duration of 10 years.

**FEDERATED STATES OF MICRONESIA, Onongoch, Fefen Island, Chuuk - Community hall, water tanks and toilets in exchange for the protection of a 15-acre pristine upland forest as a no-take area in perpetuity.** Marked as a top conservation target for the island state of Chuuk and known as a sacred area for generations, the Chunuf forest area is part of the West Fefen Area of Biodiversity Significance. The forest is home to several endangered and threatened bird, plant and tree species. With a

population of over 400, the Onongoch community on Fefen Island has, due to traditional practices and certain chiefly taboos, conserved and worked around the forest for many years, and want it to be officially recognized as a conservation area. Seacology is funding the construction of a meeting hall with office space, as well as 10 500-gallon water tanks and 10 toilets for the neediest members of the community, in exchange for an agreement to protect 15 acres of pristine upland forest in perpetuity. 

**GRENADA, Bathway Beach, Northern St. Patrick's Parish - Acquisition, construction and installation of interpretive materials to promote protection and conservation of Leatherback turtles.** Grenada has one of the largest nesting populations of critically endangered Leatherback turtles in the Caribbean, which nest on Levera and Bathway beaches, located within 450-acre Levera National Park along the island's northern coastline. Thousands of people visit the nesting beaches every year in an effort to see the turtles, which has resulted in some unwelcome practices on the beaches, such as littering, noise pollution, and physical interference with the animals. In response to requests for help, the Fisheries Division has passed new legislation to help protect the habitat and nesting turtles, and has also allocated space in the Levera National Park Office, located at Bathway Beach, for an interpretation and staging area for tours and visitors to the park. Seacology is providing funds to Ocean Spirits, a local NGO, for the purchase, construction and installation of a variety of interpretive display materials. This center will relieve some of the pressures on the beaches, especially during the nesting season. 

**INDONESIA, Banjar Anyar, Desa Sangkitan, Bali – Community building in support of 1,977 acres of no-take rainforest in perpetuity.** Banjar Anyar is a small farming village positioned 2,200 feet above sea level on the slopes of Mount Batukaru. The village is adjacent to Sarinbuana Village, where Seacology funded a library, music and dance building, instruments and equipment in 2006 in exchange for village endorsement of a 1,975-acre permanent no-take rainforest reserve. The forest of Mount Batukaru is home to a variety of birds, the increasingly rare pangolin and leaf-eating monkey. Traditionally, the people of Banjar Anyar have been the *de facto* custodians of an approximate 1,977-acre portion of this rainforest. Seacology is providing Banjar Anyar with funds to construct a village community building in support of their commitment to protect 1,977 acres of rainforest in perpetuity.

(Continued on page 4)




Left: Villagers in Banjar Anyar on the island of Bali, Indonesia work on the foundation of their Seacology-funded community center (photo credit: Karen Peterson). Right: Alice Island is part of the "no take" zone being created by villagers in Tavolo, Papua New Guinea in exchange for Seacology's funding of a new health care facility (photo credit: Sam Moko).

## 2010 SEACOLOGY PROJECTS (CONTINUED FROM PAGE 3)


**INDONESIA, Kahuku Village, Bangka Island, North Sulawesi - Village health clinic in exchange for the creation of 74 acres of no-take coral reef and in support of an additional 27 acres of no-take coral reef.** Desa Kahuku is a village located on the island of Bankga, about six miles offshore the North Sulawesi mainland and about 24 miles northeast from the nearest large town of Manado. The village had a health clinic built for them in 1994, which is in a crumbling state as salty beach sand was used in the concrete mixture, causing the metal re-bar to rust into flakes and the brickwork to become sodden. The building has no beds or medical equipment, and receives little support from the local health department. The villagers wish to set aside and protect approximately one mile of fringing coral reef, totaling approximately 74 acres, as a no-take zone for 10 years. The reef has had considerable pressure put upon it from destructive fishing practices over the past decades, especially from outside villages using cyanide. Seacology is providing funding to Kahuku Village for the reconstruction of their health clinic (with clean sand), as well as beds and medical equipment, in exchange for the village's creation of a 74-acre no-take coral reef and in support of an additional 27 acres of no-take coral reef.



**KENYA, Funzi Island - Construction of a display facility/office for conservation and ecotourism programs in exchange for sea turtle conservation activities for a minimum duration of 10 years.** Funzi Island, located off the Kenyan South Coast, plays host to an array of ecosystem types including undisturbed coastal wetlands, mangrove forests, swaying palms, sandy beaches, creeks, estuary and undisturbed lowland coastal mixed forests. Five sea turtle species are found foraging or nesting on and around the island. Poaching, habitat degradation, soil erosion, destructive fishing practices, incidental capture and development are threats to these sea turtles. Working with the Kenya Sea Turtle Conservation Committee (KESCOM), Seacology is funding the construction of a display facility which will also serve as an office for the Funzi Turtle Club's activities, as well as support for community-based sea turtle monitoring activities, nest protection and turtle release programs. There will also be eco-tourism activities including developing turtle souvenirs - earrings, doormats and turtle models - from flip flop sandals washed ashore. Conservation activities will take place in a 15,073-acre area that serves as important feeding and nesting sites of the five locally-found turtle species. 

**MADAGASCAR, Antanandava Village - Construction of two primary school classrooms with furnishings and a restroom block in support**

**of an agreement to stop all new shifting cultivation within 988 acres of biologically diverse low-elevation humid forest for a duration of 15 years.** Madagascar, the fourth largest island in the world, has been recognized as one of the world's top eight mega-biodiversity countries. The Makirovana-Tsihomanaomby forest complex in northeastern Madagascar consists of 20 square miles of low-elevation, fragmented, humid forest. It has been identified as a national priority area for plant conservation by the Missouri Botanical Garden (MBG), and is in the process of being formally recognized by the government as a new protected area. Numerous locally endemic and threatened plant species are found there, and animal diversity is robust as well with 60 species of reptile and amphibian, 75 bird species and six species of lemur. The forest is threatened by bushmeat hunting, selective rosewood logging, and especially by slash-and-burn agriculture. Shifting cultivation by the slash-and-burn method ("tavy") is the primary cause of deforestation and upland forest degradation, and has heavily contributed to the loss of approximately 90 percent of Madagascar's original forest cover. Since 2008, the MBG has been working with the people of Antanandava, a community of 1,092 to the south of the forest, to reduce these threats and conserve the area. Seacology is funding a new primary school in support of an agreement to stop all new shifting cultivation within the 988 acres of the Makirovana-Tsihomanaomby forest complex.

**MADAGASCAR, Manafiafy - Reintroduction and monitoring of 3,000 critically endangered palms; environmental education in two village schools; and construction of a permanent research monitoring station, kitchen, and guard house in support of the protection of 1,038 acres of rare littoral (coastal) forest.** Approximately 80% of Madagascar's plants and animals are endemic. Unfortunately, more than 90% of Madagascar's original forest cover has been lost since the time of human arrival, only 2,300 years ago. In 2005, the nonprofit organization Azafady completed their previous Seacology funded-project with the construction of tree nurseries, and camps for workers and volunteers, for local community monitoring of a rare littoral forest. Azafady's current main environmental program, called Project Voly Hazo ("planting trees"), includes the reintroduction of two critically endangered endemic palm species grown in the Seacology-funded nurseries into the 1,038-acre S17 coastal forest fragment. With Seacology's assistance, Azafady is transporting, replanting, and monitoring these palms while also conducting environmental education related to this project in local schools. To facilitate monitoring, they are building a research station, kitchen and guard house. 

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Left: The Seacology-funded Antanandava Village, Madagascar school (photo credit: Dr. Chris Birkenshaw, Missouri Botanical Garden). Right: Members of the Guadalupe Island, Mexico fishers cooperative with new water tanks that are part of the Seacology-funded water desalination system (photo credit: Jose Angel Sanchez-Pacheco).

## 2010 SEACOLOGY PROJECTS (CONTINUED FROM PAGE 4)


**MEXICO, Guadalupe Island, Baja California Pacific – Sea water desalination system in exchange for a 1,235-acre marine reserve for a duration of 10 years.** Guadalupe Island, with a total land area of 80,000 acres, is one of the most remote islands of Mexico. The island's only community is mostly fishermen and their families who have been using the island for decades. Guadalupe Island has one of the best preserved marine environments of Mexico. A water desalination plant is the local community's most urgent need. A desalination system is being purchased with the help of Seacology in exchange for the creation and protection of a 1,235-acre marine reserve for a period of 10 years. The desalination system will be able to supply as much as 3,000 gallons per day. The water supply could also support reforestation and restoration projects, particularly in the remaining patches of endemic forest. In 2000 and 2002, Seacology funded projects to construct and maintain fences to keep invasive goats out of the most sensitive areas containing endemic plant species. Goats have since been eradicated from the island.



**PANAMA, Kuna Yala Archipelago – Waste management system for Carti island communities.** Kuna Yala is an autonomous territory or *comarca* in Panama, inhabited by the Kuna indigenous people. Kuna Yala is 924 square miles and has a population of 36,487 people (2004). About 36 of the *comarca's* 365 islands are inhabited by Kuna communities. Kuna Yala also houses a biosphere reserve, the Narganá Protected Area, which covers 386 square miles. Kuna Yala's beaches provide some of the least impacted and best protected nesting grounds for the critically-endangered Leatherback sea turtle. Carti is a group of island communities totaling about 1,000 residents located in the western side of the Kuna Yala Indigenous Territory. Increased tourism to the islands has brought a problem: a major increase in garbage. Seacology is providing equipment for a waste management and recycling system for the five island communities where the Kuna have installed homestay facilities. In exchange for the equipment, the Kuna Indigenous Congress and the Carti community leadership will draft waste management regulations for the area, comprising more than 7,413 acres of marine, island and coastal habitat. It is expected that the improvised landfills and the pollution they bring will begin to disappear, helping secure the long-term survival of this mostly pristine natural environment, and turning tourism into a more sustainable and less polluting economic activity.

**PAPUA NEW GUINEA, Tavolo, Pomio District, East New Britain Province - Community health clinic in exchange for the establishment**

**of a 988-acre no-take coastal marine conservation area within an existing Wildlife Management Area.** Tavolo is situated west in the Pomio District of East New Britain Province, Papua New Guinea. The area has extensive fringing coral reefs on the coast and a pristine forest on the mainland. The primary threats to these two ecosystems are from large-scale logging and over-fishing. In 1997, an eight square mile Wildlife Management Area was gazetted under PNG's Flora and Fauna Act. The community, along with local NGO Melkoi Local Environment Foundation, is working towards establishing an extension of the conservation area, to cover a total of 124 square miles. The community would like to set up a 988-acre no-take reef and lagoon conservation area. The people of Tavolo, with the assistance of local NGO Mama Graun Conservation Trust, are committed to protecting their environment and will continue to refuse large-scale development proposals. Tavolo is situated about a day's walk to the nearest government station for medical assistance, and is separated by a few rivers. Seacology is providing funding to build a community health clinic in exchange for the community's establishment of a 988-acre no-take coastal marine conservation area.

**PHILIPPINES, Cabilao Island, Bohol - Renovation and conversion of a Spanish-era lighthouse into a Tourism Information Center, in exchange for the creation of an additional 50 acres of Marine Protected Area.** Cabilao is one of the two islands in the Municipality of Loon in the westernmost municipality of Bohol Province in central Philippines. Hammerhead sharks, pygmy seahorses, as well as hard and soft corals of various species have made the island a must-see, especially for scuba divers. At present, there are two marine protected areas (no-take zones) around the island. At Baluarte Point in the village of Pantudlan, a Spanish-era lighthouse has long been abandoned, even before a modern solar-powered one was constructed beside it. Near this part of the island is the most frequented dive spot. Tourism-related activities are therefore concentrated in and around this place, and the lighthouse is potentially an ideal venue for tourism information and a display area for local island products, if renovated and converted for this purpose. In exchange for funding from Seacology for the renovation and conversion of their lighthouse, Cabilao Island's five villages will protect an additional 50 acres of marine area for at least 20 years. 

**PHILIPPINES, Sitio Lobo, Barangay Ned, Municipality of Lake Sebu, Mindanao Island – Micro-hydro power generator and fruit tree nursery in support of the protection of 6,178 acres of watershed forest within**

*(Continued on page 6)*



*Left: Villagers celebrate the opening of the Seacology-funded health clinic and community center at Muri Village, Rarotonga, Cook Islands (photo credit: Allan Tuara). Right: Youth learn how to use Seacology-funded snorkeling equipment for environmental education on Chumbe Island, Tanzania (photo credit: Lina Nordlund).*

## 2010 SEACOLOGY PROJECTS (CONTINUED FROM PAGE 5)

**the 18,150-acre ancestral claim of the T'boli and Manobo tribes.** Lake Sebu is within the southern Tiruray Highlands of Mindanao Island at an altitude of almost 1,000 feet, and is under the protection of the National Integrated Protected Area System Act (NIPAS Act), which was passed in 1992. It is surrounded by rolling hills and forested mountains, and is home to the T'boli, a highland tribe known for their colorful costumes, intricate beadwork, woven work and brass ornaments. The Manobos, who also live in the region, inhabit the river valleys, hillsides, plateaus and interiors. The lake and the surrounding rainforest are a natural habitat to several endemic bird species, as well as wild boar and Philippine deer. The community of Sitio Lobo has a total area of 18,150 acres; within this area is a watershed of 6,178 acres. While the watershed is already protected by the NIPAS Act, the tribes have committed to work with Barangay Ned for the issuance of an ordinance declaring the watershed as a no-take zone. Sitio Lobo does not have electricity; Seacology is providing funding for a 30-kilowatt micro-hydro power station in support of their efforts to protect their watershed for a minimum of 30 years. Technical assistance will be provided by partner NGO YAMOG, who also coordinated the Seacology-funded project to provide a micro-hydro system and fruit tree nursery to the Mindanao community of Old Bulatukan in support of the protection of 744 acres of watershed.


**TONGA, Felemea Village, 'Uiha Island, Ha'apai Islands – Refurbishment of an existing community hall and its facilities in support of the protection of two Fish Habitat Reserves totaling 368 acres for a duration of 10 years.** Felemea Village is one of two villages on 'Uiha Island in the Ha'apai island group. In January 1995, the entire Ha'apai group was declared as a Conservation Area in principle by the Tongan government under the South Pacific Biodiversity Conservation Program. The marine area near Felemea used to be abundant in species such as clams, sea slugs, seaweeds, crab, lobster and a variety of reef fish, which have been threatened due to overfishing. The community has indicated a willingness to more aggressively protect its marine resources. Like all community halls, Felemea's is the main venue for village events such as meetings, workshops, women's and youth activities, pre-school, etc. Seacology is funding the refurbishment of the hall, including a new floor with tiling, doors, window frames and louvers, electrical repairs, repainting, installing of a plastic water tank and guttering, and the provision of tables and chairs for meetings. In return for Seacology's support, the people of Felemea will actively manage the two Fish Habitat Reserves for minimum duration of 10 years.



Above: Guests arrive at the dedication of a Seacology-funded micro-hydro energy system, Mudung Abun, Sarawak, Malaysia (photo credit: IPIMAS).

**UGANDA, Lake Victoria – Solar-powered refrigerator for medicines for the Ngamba Island Chimpanzee Sanctuary.** Uganda's Lake Victoria, at 26,600 square miles, is Africa's largest lake, the largest tropical lake in the world and the Earth's second-largest freshwater lake. The original homes of chimpanzees are the forests of Equatorial Africa; their range formerly extended over 25 countries (of which Uganda is one), but are now extinct in four of those 25, with an estimated fewer than 150,000 remaining in the wild. The myriad threats to chimpanzees extend beyond habitat loss to poaching for commercial bushmeat and exotic pet trades, infectious diseases and armed conflict. The Chimpanzee Sanctuary & Wildlife Conservation Trust (CSWCT) established the Ngamba Island Chimpanzee Sanctuary in 1998. Locally-run CSWCT is a leader in the conservation of chimpanzees, contributing to public awareness of this flagship IUCN Red-Listed great ape species, and engaging with communities living alongside chimpanzee populations. The approximately 50 chimpanzee residents at Ngamba Island are rescued animals that cannot be returned to the wild. Seacology is providing the CSWCT with funding to purchase a solar-powered refrigerator to hold medicines for the chimpanzees at the Ngamba Island Chimpanzee Sanctuary.

**VANUATU, Isavai Community, Aniwa Island - Construction of a community hall with two guest rooms and a water tank in exchange for the establishment of a 163-acre marine reserve and 178-acre mangrove reserve for a duration of 10 years.** Aniwa is a remote, low-lying island located in southern Vanuatu. Isavai is one of the more populated of the four villages on the island, with approximately 140 inhabitants who very much depend on marine resources for their livelihoods. The increasing population of the community means people are using more of their natural resources, leading to decreasing fish stocks and upsetting the productivity of marine species. The erosion of shoreline and dying vegetation due to climate change have also brought grave concern to the community. The village had previously declared a marine protected area of approximately 100 acres for a duration of five years. Now the people of Isavai are willing to preserve a marine area of 163 acres as well as a mangrove habitat covering 178 acres for a duration of 10 years. In exchange for this commitment, Seacology is funding the construction of a community hall with two attached guest rooms and a water tank. This important infrastructure will enable the community to host village meetings and visitors, women's activities, workshops, etc.

**YAP, Qokaaw and Kadaay – Watershed rehabilitation, surveillance equipment and a project operation center in exchange for a 46-acre no-take pristine mangrove sanctuary in perpetuity.** The scenic and culturally pristine villages of Qokaaw and Kadaay are located in Weloy municipality on the West coast of Yap, Federated States of Micronesia. These communities have already taken an active interest in conservation with the establishment of the 192-acre Nimpal Channel Marine Conservation Area (MCA). The community wishes to preserve a 46-acre area of pristine mangrove, adjacent to the MCA. This particular forest survived Typhoon Sudal and contains at least four of the main five genera of mangroves in Yap. In exchange for setting aside the Qokaaw and Kadaay Mangrove Reserve in perpetuity, Seacology is funding rehabilitation of some areas of the watershed that have become choked with fallen logs and branches; improvement of surveillance of the Nimpal Channel and mangrove reserve areas, including repairs to an existing surveillance platform, construction of a new one and purchase of a kayak to support surveillance efforts; and construction of a project operation and storage center on the shore adjacent to the two reserves. The villages of Qokaaw and Kadaay are steeped in tradition and this project is seen as having important cultural and social benefits for communities who have taken unilateral steps to protect their natural heritage. 



Indicates full or partial funding by the Nu Skin Enterprises Force for Good Foundation.



Indicates full or partial funding by Seacology Germany.



Indicates full or partial funding by Seacology Japan.



Indicates full or partial funding by Seacology Scandinavia.



Indicates full or partial funding by Seacology UK.

## MADAGASCAR FOREST PROTECTOR RECEIVES 2010 SEACOLOGY PRIZE

Many foundations recognize exemplary achievements by scientists, educators, business leaders and other individuals who work towards conservation. Seacology has chosen to recognize heroic achievement by people who seldom receive any publicity: indigenous leaders who risk their own lives and well-being to protect their island's ecosystems and culture. The Seacology Prize is underwritten by Ken Murdock, President of Seacology, in honor of his mother, Lalovi Fish Murdock. Mr. Rabary Desiré has been awarded the 2010 Seacology Prize for his his tireless efforts to further forest conservation in northeastern Madagascar. Desiré received the \$10,000 Prize on October 7, 2010 at a ceremony in Berkeley, California.

Rabary Desiré is recognized by many as a major conservation leader in northeastern Madagascar, and is a highly-sought-after research/eco-tourism guide. Desiré has almost no possessions and shares his small traditional two-room residence with five other family members. With the money he makes from guiding, he buys forested land in order to protect it. Years of work have finally culminated in the establishment of his own small private nature reserve, Antanetiampo ("on the high hill"), likely the only reserve in northern Madagascar that has been entirely created from start to finish by a single local resident.

According to Desiré, "I am very happy to receive this award and I feel very lucky for myself and Madagascar. After many years of hard work and political instability, finally we are having some local conservation success. I plan to use these funds for such projects as reforestation, developing tourist infrastructure and purchasing the land around Antanetiampo Nature Reserve to increase the size of the reserve and the amount of protected land in this region. This award will help preserve the precious biodiversity and high en-

demism of Madagascar, as well as fight the ongoing battle against massive deforestation and possible extinction of many beloved species... Thanks Seacology for giving me this prize. The whole region will never forget it."

Seacology is proud to honor Desiré for his dedication, leadership and bravery in protecting his community's forests for future generations.



*Left: Rabary Desiré addresses community members (photo credit: Erik Patel).*

## SEACOLOGY'S INTERNATIONAL AFFILIATES PROGRAM

Though we have a very small staff, Seacology is truly an international organization. In the past three years, our global presence has increased in another significant way with the creation of our affiliates program. In 2007, Seacology Germany and Seacology Japan were established by our friends in those nations to raise funds to support Seacology's island projects. In 2008, Seacology U.K. (United Kingdom) was created, followed by Seacology Scandinavia in 2009.

These affiliates help increase the visibility of Seacology in their respective parts of the world. More importantly, they raise money to fund Seacology's international island conservation projects. Seacology Japan has already funded island projects in the Philippines, the Caribbean, Vietnam, the Seychelles, Fiji, Palau and Samoa. Seacology Germany has funded projects in Madagascar, Indonesia and the Philippines. Seacology U.K. has funded projects in Kenya, Micronesia, Indonesia and the Philippines; and Seacology Scandinavia has supported projects in Samoa and Micronesia.

We would like to thank the following board members of Seacology Germany, Seacology Japan, Seacology Scandinavia and Seacology U.K. for their trailblazing efforts, which will enable Seacology to launch more critical island-based projects in the coming years.

### **Seacology Germany:**

Dr. Paul Cox  
Joerg Ganal  
Suzanna Jamieson  
Peter Pistor (President)  
Susan Racanelli  
Andreas Steffen

### **Seacology Japan:**

Akemi Chiba (President)  
Dr. Paul Cox  
Masayuki Kishimoto  
Takemi Sekiguchi  
Duane Silverstein  
Masakatsu Yasukawa  
Akemi Yoshida (Vice Chairman)

### **Seacology Scandinavia:**

Trond Austgarden  
Anton Bonde  
Jonna Bonde (Vice President)  
Ragnhild Nerjord Bratlien  
Dr. Paul Cox  
Tove Kirkeng  
Carleric Lindstrøm  
Ingela Lindstrøm (President)  
Duane Silverstein

### **Seacology U.K.:**

Dr. Paul Cox  
Lucy Cummings (President)  
Sean O'Sullivan  
Duane Silverstein  
Jill Warren  
Scott Wilson (Vice President)



## SEACOLOGY FELLOWS PROGRAM

The Seacology Fellows program was created to honor those individuals who wish to make an ongoing commitment of \$2,000 or more per year. Along with our board members, contributions from Fellows fund the ongoing operations of Seacology. Admission to the Fellows Program includes the following special benefits:

- **Advance notice of all Seacology trips.** Seacology plans several expeditions per year to visit project sites in locations such as Indonesia, Micronesia, Fiji, Samoa, Madagascar, Tanzania and many more remote islands worldwide. These adventure trips are much sought after and offer an insider's view of Seacology's successful island projects. Well-planned excursions, they also provide ample opportunity for cultural discovery, sightseeing, scuba diving, snorkeling, hiking and other recreational activities.
- **Complimentary invitation to the annual Seacology Prize ceremony.** Each year, Seacology honors an outstanding indigenous island conservationist. Past recipients include Mr. Kokichi Kariya for his efforts to save one of the few remaining ancient forests on Honshu Island, Japan; Ms. Meity Mongdong for her relentless work to save the mangrove forests and coral reefs of her native Bunaken National Marine Park in Sulawesi, Indonesia; and Mr. Rabary Desiré for his tireless efforts to further forest and endemic wildlife conservation in increasingly depleted areas of northeastern Madagascar.
- **Acknowledgement (with your permission) on Seacology's website and our newsletter and annual report.**
- **Complimentary copy of Seacology's signature DVD.**
- **Complimentary Seacology tote bag and lapel pin.**
- **Special reports and articles throughout the year covering Seacology's island projects.**

For more information on the Seacology Fellows program, please email Seacology (islands@seacology.org) or call our office at 510-559-3505.

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*Right: Seacology Program Manager Karen Peterson, Indonesia Field Representative Arnaz Mehta and members of the volunteer forest guardian group Mitra Alam Muggaran stand under one of three waterfalls in the Mandalemekar, Java Island, Indonesia protected forest. The community has protected a total of approximately 300 acres of forest and planted over 20,000 trees. In exchange for this commitment to conservation, Seacology funded a multi-purpose building that is being used for community meetings, performances, and as an indoor badminton court (photo credit: Irman Meilandi).*



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*Seacology receives hundreds of gifts under the \$500 level. All of these gifts are very important to us. However, space limitations prevent us from listing the name of each and every donor.*

# SEACOLOGY ISLAND LEGACY SOCIETY

If you are a Seacology Fellow, a longtime Seacology supporter, or are new to our cause and feel a great affinity for our purpose, perhaps now is the time for you to join the Island Legacy Society. The Island Legacy Society was created to recognize and honor individuals who treasure Seacology's mission and have expressed their commitment to ensure that our important work continues. Additionally, the Island Legacy Society is intended to encourage others to consider similar gifts that will allow future generations to benefit from our commitment to island conservation.

Here's how to join:

- Make a gift to Seacology in your estate plan with your accounting or investment professional.
- Contact Carynne in Seacology's Development Department at (510) 559-3505 or [carynne@seacology.org](mailto:carynne@seacology.org) and we will send you a Letter of Intent to fill out and return to us.

We will acknowledge your gift by giving you recognition (with your permission) on our website and periodically in our newsletters, as well as invitations to Seacology events throughout the year. For more information on the kind of gifts you may want to make, please speak with your accounting or investment professional. In addition, our development staff are available to help you with this simple process.

We look forward to welcoming you into the Island Legacy Society soon. You will join the following dedicated members whose gifts will permanently help preserve the world's islands and their historic cultures for future generations.

## We are pleased to honor the following members of the Island Legacy Society:

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*Left: Fishermen take part in a "Bottle Beads" training workshop in Trinidad, the Caribbean, in April 2010. This Seacology-funded project with the Wider Caribbean Sea Turtle Conservation Network trains fishermen to make unique beads and jewelry utilizing discarded bottle glass. The products will have small educational/conservation labels and will be sold in local gift shops. Communities have been selected to receive training based on their capacity to sustain the project, market the beads, and demonstrate that the new skills will reduce pressure to kill sea turtles. This highly replicable project has the potential for expansion throughout the region, with the result of boosting rural incomes and protecting endangered sea turtles (photo credit: Karen L. Eckert).*

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Annual report produced and designed by Karen Peterson.

## SEACOLOGY PROJECT UPDATE: TAVOLO, PAPUA NEW GUINEA

Community Health Clinic in Exchange for the  
Establishment of a 988-Acre No-Take Coastal  
Marine Conservation Area



*Above: Members of Tavolo's eight clans with the signed Seacology conservation agreement. The clans agree to protect a new 988-acre Coastal Marine Conservation Area in exchange for Seacology's funding of a new health clinic for the community. Above right: Children in Tavolo on the beach in front of the new conservation area (photo credits: Sam Moko).*



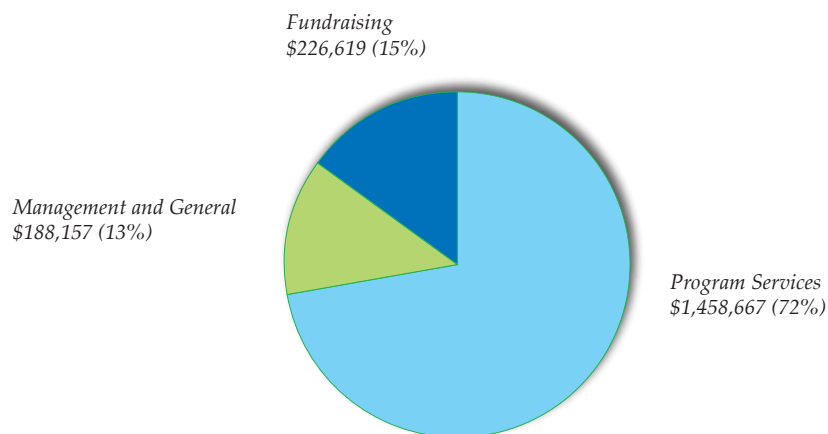
Tavolo, located in Papua New Guinea's (PNG) East New Britain Province, has extensive fringing coral reefs on its coast and a pristine forest on the mainland. The primary threats to these ecosystems are large-scale logging and over-fishing. In 1997, an eight square mile Wildlife Management Area was gazetted under PNG's Flora and Fauna Act. The community, along with local NGOs Melkoi Local Environment Foundation and Mama Graun, is working toward establishing an extension of the conservation area to cover a total of 124 square miles, including a 988-acre no-take reef and lagoon conservation area. In exchange for this commitment to conservation, Seacology is providing a community health clinic, since Tavolo is about a day's walk from the nearest medical assistance. In November 2010, Seacology's PNG Field Representative Sam Moko traveled to Tavolo. A meeting was held, with men, women and children from the community's eight clan groups present. A long discussion took place regarding the project, and representatives from each of the clan groups signed a conservation agreement with Seacology. Construction of the medical clinic was set to commence in early 2011.

# STATEMENT OF FINANCIAL ACTIVITY, JAN. 1 - DEC. 31, 2010\*

<b>Public Support:</b>	
Foundation Grants	\$447,765
Donations and Bequests	\$786,280
In-kind Contributions	\$1,675
<b>Total Public Support</b>	<b>\$1,235,720</b>
<b>Revenue:</b>	
Expedition Income, net of expenses	\$9,943
Event Income, net of expenses	(\$11,780)
Interest/Investment Income	\$120,431
<b>Total Revenue</b>	<b>\$118,594</b>
<b>Total Support and Revenue</b>	<b>\$1,354,314</b>
<b>Expenses:</b>	
Program services	\$1,043,891
Management and general	\$188,157
Fundraising	\$226,619
<b>Total Expenses</b>	<b>\$1,458,667</b>
<b>Change in net assets:</b>	<b>(\$104,353)</b>

\*These figures have been summarized by Seacology from the draft audited 2010 Statement of Financial Activity. To request copies of previous years' audited financial statements prepared by Doran & Associates, Certified Public Accountants, please contact the Seacology office. The final version of the 2010 audited financial statements will be available in June 2011.

## EXPENSES



Back cover photo: A turtle hatchling heads into the sea (photo credit: Guillaume Feuillet, Kwata).



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