

Institutional Memory

15 YEARS IN FAVOR OF OUR OCEAN 2002-2017

Credits: MarViva Foundation, Technical Team Edition: Jorge A. Jiménez, Alejandra Pacheco, Nash Ugalde, Kelly Rojas, and Magdalena Velázquez Desing: Eureka Photography: ©Fundación MarViva



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INSTITUTIONAL MEMORY 2002-2017



FOUNDER MARVIVA FOUNDATION

Dedication: ERICA KNIE (RIP, 2010)

During more than two decades, Eric Knie, visionary born in a landlocked country, devoted to protect ocean biodiversity.

Overfishing and illegal fishing were undeniable threats of her constant concern: "With the collapse of each species, we are gambling with ours and our future, and our children's, we have crossed a line from which there will be no easy return".

Overcoming significant difficulties to address this challenge, Erica Knie and Stephan Schmidheiny determined to take action, investing their time and resources to strengthen knowledge and capacities in marine stewardship in Latin America. Their commitment took shape in 2002, with the creation of MarViva Foundation in support of the Governments and people of Colombia, Costa Rica, and Panama.

"I part with the privilege of leaving behind me a fulfilling and accomplished life. I want to thank all who have accompanied me during my passionate journey of marine conservation on this planet". Pronounced by our founder near her passing in 2010, these words motivate us to continue her legacy.

We admire her leadership and dedication, reiterating our firm conviction and responsibility in the mission to promote the conservation and the sustainability of the sea, for the well-being of present and future generations.

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ROBERTO ARTAVIA LORÍA PRESIDENT

Message from OUR PRESIDENT

MarViva has raised awareness about the ocean, its seascapes, and resources being essential to our wellness and sustainability, for which they require greater protection and responsible, innovative, and constant management.

In collaboration with authorities and civil society organizations, MarViva has demonstrated that it is possible to use the ocean, while protecting its enormous richness and guaranteeing food security and sources of income for coastal communities and industries.

We promote public-private partnerships to advance the conservation and management of marine biodiversity and spaces. We ensure access to scientific information for appropriate decision-making. We provide multi-sectoral participation in planning processes of marine areas. We promote the consolidation of responsible markets for use and consumption of marine products and services. We strengthen local and institutional capacities to optimize the use of the technical and financial resources of all relevant stakeholders. We disseminate knowledge and experiences throughout Latin America and beyond our borders. In short, we act to ensure the sustainability of the marine and coastal expanse.

On our 15th anniversary, we celebrate our founders' vision and generosity, Dr. Stephan Schmidheiny and Mrs. Erica Knie (RIP), and appreciate the endorsement of our allies and partners who have strategically supported MarViva since its creation in October of 2002, as well as the support and work of those who have joined our mission since then.



Celebration Event, VivaEcosystem, Switzerland, October 2017

Acknowledgement: : STEPHAN SCHMIDHEINY

MarViva Foundation, created with Stephan Schmidheiny's philanthropic vision and financial investment, is part of VIVA ecosystem of organizations.



MARVIVA FOUNDATION OUR WORLD IS THE OCEAN

MarViva Foundation, located in Colombia, Costa Rica, and Panama, is a regional, nonprofit, non-governmental organization with mission to promote the conservation and sustainable use of marine and coastal ecosystems in the Eastern Tropical Pacific (ETP).

Our team is comprised of multidisciplinary professionals, specialists on marine biology, fisheries management, environmental law, geography, marketing, communications, community development, project management, information technology, business administration, among others.

Integrated in 4 complementing programs:

Policy Advocacy, Communications, Responsible Markets, and Science, we impulse the creation and strengthening of:

Participatory and multi-sectoral opportunities to improve the institutional and regulatory framework towards the organization of human activities in the sea

Scientific and technical support to governments, coastal communities, private sector, and decision makers, for the design and implementation of sustainable development policies.

Governance in international waters and coastal-marine areas.

Market incentives for biodiversity conservation and sustainability of critical productive activities, including artisanal fishing and ecotourism.

Technical capacities of institutions and local stakeholders to optimize the effectiveness of the regulatory and voluntary measures for the protection and integral management of the ocean and its resources.

Technology innovation for research and data management.

Access to information for inclusion and participation of multiple audiences and interest groups.

Knowledge systematization and dissemination.

Partnerships and collaboration between local and international stakeholders.

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15 years of successful track record

"We are pleased with the progress to date, keeping in mind that we face considerable challenges to ensure the sustainable use of the ocean and its resources. We need transparent marine policies that integrate conservation as strategy for long-term economic and social development. It is essential to base our decisions for marine planning and stewardship on technical and scientific information to allow continuous and responsible use of the natural wealth. Above all, we must understand that our well-being depends directly on the health of habitats and ecosystems that so far we have destroyed, oblivious of their easy extinction".

> Dr. Jorge Arturo Jiménez Director General

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Contribution to Improved Quality of Life Recognition Prize

For promoting environmentally rational use of marine resources through preventive and education programs. Awarded by the Directorate for the Protection of Citizen's Rights (Costa Rica, 2017).

Maritime Excellence Award

For MarViva's achievements and contribution to Panama's maritime development. Granted by Panama's Maritime Authority, ANAM (2006)

Green Shipping Award

For encouraging policies, practices, and programs in benefit and promotion of the marine environment at the national and regional levels Presented by Maritime Chamber of Panama (2015)

WHAT WE FACE

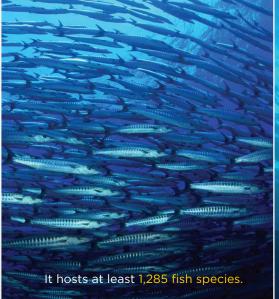
The ocean provides basic environmental services for our survival. Worldwide, 17% of animal protein intake comes from the oceans, and 56.6 million people depend on fishing. The sea generates at least 50% of the oxygen in our atmosphere. In addition, it regulates the climate and captures 25% of carbon dioxide emitted by human activities, contributing to mitigate global warming.

The Eastern Tropical Pacific (ETP) extends from southern Mexico to northern Peru, encompassing seamounts, upwelling zones, coral reefs, nesting beaches, cliffs, breeding and feeding sites, migratory routes, wetlands, among others, all of irreplaceable value.

ECOLOGIC AND SOCIOECONOMIC VALUE OF THE EASTERN TROPICAL PACIFIC

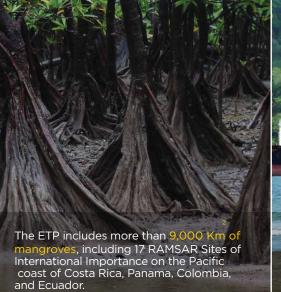


The ETP contains **7 UNESCO World Heritage Sites**, including Guanacaste Conservation Area and Coco Island National Park (Costa Rica), Coiba National Park (Panama), Malpelo Island (Colombia) and the Galapagos Archipelago (Ecuador).





And at least 180 marine species, relevant to conservation given their condition of endemic, threatened or endangered, including sharks, billfish, sea turtles, and cetaceans.





Estimated economic value of goods and services of the ETP Marine Corridor, considering mainly fishing and other marine goods, tourism, maritime transport and carbon sequestration, is estimated at USD\$25 billion/year.

At least 250,000 artisanal fishers depend on the ETP marine resources.



Commercial fishing in the ETP generates more than USD\$3 billion per year, corresponding to approximately 11 million tons of fishery product.

OF ITS BIODIVERSITY AND ENVIRONMENTAL SERVICES:

50% of global catches come from illegal fishing (FAO)

- Illegal fishing
- Over-fishing
- Extraction of vulnerable and endangered species
- Habitat fragmentation
- Pollution
- Climate change
- Extreme poverty in coastal areas

- Lack of institutional, technical, and financial resources
- Weak regulatory framework
- Limited regional coordination
- Sectoral and short term planning
- Uncontrolled development of coastal infrastructure
- Lack of knowledge on the market of marine products and services



At MarViva Foundation we advance three main strategies towards the organization of human activities in the ocean:

1) We facilitate public and participatory Marine Spatial Planning (MSP) processes. 2) We promote the consolidation of **market incentives** to reduce pollution, and for responsible use of marine products and services.

Achieved results include: multi-sectoral coordination in the conservation and protection of natural heritage; planning informed by traditional knowledge, technical evidence, and science; consensus zoning in relevant marine areas; implementation of measures for integrated management of coastal and marine resources; community strengthening; creation of local and regional governance structures: reduction of present and future conflicts between resource uses or between the environment and the resource uses: implementation of continuous conservation strategies (monitoring); strengthening of institutional framework and public policy; direct contribution to governments' sustainable development programs and stakeholder populations' priorities, considering ecologic, economic, and social criteria.

Achieved results include: positive influence of market demand towards good practices that protect sustainability of the ocean and associated productive activities: strengthened community-based productive aroups: improved income and guality of life for marine resource users who are committed to ocean protection and conservation; aware fishers, processors, corporate buyers, and end consumers (artisanal fishina). micro-entrepreneurs. tour operators, wholesalers, and consumers (ecotourism), and producers, buyers, and end consumers (disposable plastics) towards individual and collective actions for marine conservation: reduced human pressure on marine habitats and ecosystems.

3) We support the strengthening of **institutional and sectoral capacities** to increase the effectiveness of regulatory and voluntary measures in the sustainable management of the ocean and its resources.

Achieved results include: coordination between institutions, sectors and/or governments; trained public officers (coast guards, park rangers, port and commercialization channel inspectors. decision makers, judges, prosecutors, congress members, municipal officers, others) and private stakeholders (fishers, tourism micro-entrepreneurs, business executives, auditors, corporate buyers, consumers, influencers): implemented protocols and tools for management, audit, and control of human activities in the sea; enabled databases and open access to information; community strengthening for responsible use of marine and coastal ecosystems; civil society participation for improved security in coastal communities, waste management, and sustainable development; disseminated knowledge and lessons learned; operational and financial sustainability of the initiatives; scalability of proven solutions.



WHAT WE HAVE ACHIEVED

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In alliance with our institutional partners and civil society, MarViva's impact encompasses:

MARINE SPATIAL PLANNING (MSP)

Human activities in the ocean, such as exploitation of natural and mineral resources, mariculture, tourism, navigation, power generation, development of marine and coastal infrastructure, security, research, pollution, biodiversity conservation, among others, intensify significantly given globalization, technology advancement, and world population increase. The lack of spatial and temporal organization, regulation, and monitoring of such activities generates conflicts between the user sectors, as well as between the users and the environment. It accelerates degradation of habitats and ecosystems, exhausting the sustainability of the marine heritage, food security, and income sources at a local and international level.

MSP is a public, participatory process for multi-sectoral planning and integrated management of coastal and marine resources and space. It considers supplementary objectives of ecological, economic, and social health. It involves diverse stakeholder parties in planning, design, and implementation of measures for the management and conservation of the sea, including government institutions, local authorities, fishing sectors (artisanal, industrial, sports), tourism entrepreneurs, infrastructure developers, community-based organizations, coastal populations, universities and non-governmental organizations.

MarViva's inputs have been relevant in contribution to:

CREATION AND DECLARATION

- Coiba National Park, Panama; 2,031Km² (2004).
- Special Zone of Marine Protection (ZEPM), Coiba, Panama; 1,782Km² (2004).
- Exclusive Zone of Artisanal Fishing (ZEPA), Chocó, Colombia; 1,008Km² (2013).
- Special Zone of Fisheries Management (ZEMP), Chocó, Colombia; 2,759Km² (2013).
- Seamounts Marine Management Area, Costa Rica; 9.640Km2 (2014).
- Regional District of Integrated Management Cabo Corrientes-Gulf of Tribugá, Colombia; 602 Km² (2014).
- Panama Bay Wetland Wildlife Refuge Protected Area, Panama 857Km² (2015).

• Regional District of Integrated Management- Enchantment of the Mangroves in Bajo Baudó, Colombia; 3,146Km² (2017).

DESIGN AND IMPLEMENTATION OF MANAGEMENT PLANS

- Coiba National Park Management Plan (Panama; 2009).
- Study for extraction of black shell clam (Chiriquí, 2012).
- Fisheries Management Plan for the Responsible Fishing Marine Area of Golfo Dulce (Costa Rica; 2013).
- Seamounts Marine Management Area Management Plan (Costa Rica; 2013).
- National Fisheries Development Plan (Costa Rica; 2013).
- Plan for sustainable fisheries exploitation in Coiba National Park (Panama; 2013).
- Plan for sustainable fishery of spiny green lobster in Gulf of Chiriquí National Marine Park (Panama; 2013).
- Bahía Solano Mangroves Management Plan, Chocó (Colombia, 2014).
- Gulf of Juradó Mangroves Management Plan,

MULTI-SECTORAL PLANNING IN ADDITIONAL ZONES

- Punta Banco-Punta Burica, South Pacific, Costa Rica; 676Km (2014).
- Gulf of Nicoya, North Pacific, Costa Rica; 2,494 Km² (2014).
- South Pacific, Costa Rica; 5,294Km² (2014).
- Costa Rica Thermal Dome (high seas region); international waters; 533,150 Km² (in process).
- North Pacific Coastal Environmental Unit, Chocó, Colombia; 10,254 Km² (in process).

Chocó (Colombia, 2014).

- Gulf of Tribugá Mangroves Management Plan, Chocó (Colombia, 2014).
- Protocol for Monitoring Cetaceans (Costa Rica; 2015).
- Management Plan for brown ark extraction in Gulf of Nicoya (Costa Rica; 2015).
- Protocol for Fishing Monitoring (Costa Rica; 2015).
- Management Plan for the Gulf of Montijo Wetland of International Importance Resource Management Area (Panama; 2017).
- Integrated Management Plan for the Northern Pacific Environmental Coastal Unit, Chocó (Colombia; in process).
- Management Plan for the Regional District of Integrated Management- Enchantment of the Mangroves of Bajo Baudó, Chocó (Colombia; in process).





Coiba National Park, UNESCO World Heritage Site (Panama)



. LEGISLATION .

Through our regional program of Policy Advocacy, MarViva supports awareness generation among decision makers and promotes improvements in public policy, regulatory frameworks, inter-institutional coordination, and government capacities for the protection and effective management of the ocean and its resources.

DRAFTING AND PROMOTION OF PROJECT BILLS AND REGULATION PROPOSALS:

- Law No. 44 for creation of Coiba National Park (Panama; 2004).
- Fisheries and Aquaculture Law (Costa Rica; 2005).
- Marine Corridor Law (Panama, 2005).
- Law No. 9 to ban shark finning, and extraction of conch and sea cucumber (Panama; 2006).
- Decree for the declaration of the internal waters of the territorial sea and the Exclusive Economic Zone as a sanctuary for whales and dolphins (Costa Rica; 2008).
- Decree for the regulation of new management categories for Marine Protected Areas, in accordance with the regulations of the Law of Biodiversity (Costa Rica; 2009).
- Declaration of Coiba National Park as UNESCO World Heritage Site (Panama; 2009).
- Standard for Sustainable Tourism Certification (CST) (Costa Rica; 2010).
- Technical Regulation for labelling of fish products, fresh or frozen and thawed, in bulk or pre-packaged at point of sale (Costa Rica; 2010).
- Project Bill for Marine Areas (Costa Rica; 2011).
- Law for creation of the Waters and Oceans Rectory and the Vice-Ministry of Water and Oceans (Costa Rica; 2012).
- Law for reform of the Costa Rican Institute of Fishing and Aquaculture (INCOPESCA) against shark finning and illegal fishing (Costa Rica, 2013).

- National Marine Policy (Costa Rica; 2013).
- Project Bill for Aquatic Navigation (Costa Rica; 2013).
- Project Bill for prohibitions on illegal fishing gear (Costa Rica, 2013).
- Institutional Chapter in Higher Pacific Coastal Environmental Unit of Chocó (Colombia: 2015).
- Law for creation of Panama Bay Wetland Protected Area (Panama, 2015).
- Project Bill No. 25 for creation of the Ministry of Environment (Panama, 2015).
- Project Bill for creation of the National Fund to Encourage Conservation of marine ecosystem services and resources (FONASEMAR) (Costa Rica; 2017).
- Municipal Agreement draft for reduction of disposable plastic in Canton of San José (Costa Rica; 2017).
- Municipal Agreement draft for reduction of disposable plastic in Canton of Mora (Costa Rica; 2017).
- Municipal Agreement draft for reduction of disposable plastic in Canton of Montes de Oca (Costa Rica; 2017).
- Municipal agreement draft for reduction of disposable plastic in District of Panama (Panama; 2017).
- Project Bill for integrated management of solid waste in public institutions (Panama; 2017).
- Project Bill to establish Zero Waste Policy (Panama; 2017).

CAPACITY BUILDING AND ADVISORY IN THE ADOPTION OF CONVENTIONS AND INTERNATIONAL AGREEMENTS

- Adherence to the International Whaling Commission (Colombia: 2011).
- Port State Measures Agreement to prevent, deter, and eliminate Illegal, Unreported, and Unregulated (IUU) Fishing (FAO) (Costa Rica, 2015; Panama, 2016).



marine issues. Awarded by the International Union for the **Conservation of Nature, IUCN (2012)**



MarViva trains institutions on illegal fishing



DEFENSE OF SUSTAINABILITY OF MARINE HABITATS AND ECOSYSTEMS

- Legal action challenging constitutionality regarding issuance of semi-industrial shrimp trawling licenses (Costa Rica; 2012).
- Amicus curiae (friends of the Court) action for re-establishment of Panama Bay Wetland Wildlife Refuge Protected Area (Ramsar Site No. 1319) (Panama; 2014).

TRANSPARENCY AND INSTITUTIONAL REFORM

• Proposal for improvement in the organization and institutional arrangements in Costa Rica's fishing sector (2013).

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RESPONSIBLE MARKETS

Global fishing production amounts to more than 160 million tons per year, representing over \$129 billion annually (World Bank). It is estimated that about 60% of the fisheries are fully exploited, and another 30% are over-exploited, diminished or in recovery (FAO). If this worldwide consumption rate continues, 100% of populations of commercially caught species will collapse before 2050.

Through our regional program for Responsible Markets, MarViva advances awareness generation among stakeholders in the supply and demand of marine products and services. We promote best practices in the use and consumption of natural resources to reduce pressure on ecosystems. We support the creation of fishing and tourism value chains that recognize the environmental and social commitment of commercial players. In complement, we impulse the consolidation of technical and financial incentives for environmental conservation and improved well-being of artisanal fishers and tourism micro-entrepreneurs in marginal coastal communities which subsistence depends on the ocean.

MarViva's inputs have been relevant in contribution to:

RESPONSIBLE FISHING AND CONSUMPTION OF FISH

- Awareness generation among artisanal fishers.
- Capacity building and advisory for adoption of fishing good practices (fishing gear, species vulnerability, minimum sizes, closure seasons, regulations, traceability, species diversification, product handling).
- Substitution of non-selective fishing gear.
- Strengthening of local capacity for cold chain management.
- Implementation of community fishing monitoring.
- Training of commercial inspectors (species identification, legislation).
- Promotion of non-traditional and non-vulnerable species of commercial interest
- Recommendations for consumption of marine fish.
- Creation of open access technology tools to facilitate informed decisions on the purchase of marine fish.

RESPONSIBLE TOURISM

- Awareness generation among tourism micro-entrepreneurs.
- Capacity building and advisory in the adoption of good practices for responsible

tourism (species vulnerability, safety, waste management, responsible observation of species).

- Substitution of equipment for improved environmental and operational efficiency.
- Awareness generation among tour operators.
- Awareness generation among sports fishers and marina developers (good practices).

MANGROVES AND COASTAL WETLANDS

- Awareness generation among tourism developers, loggers, homemakers, cockle extractors.
- Monitoring of brown ark population (Gulf of Tribugá, Chocó, Colombia) .
- Coverage assessments (2,545 hectares; Chocó, Colombia).
- Studies on land registry, coverage, and use towards recovery and conservation of Public Natural Heritage in the periphery of Térraba-Sierpe National Wetland (13,131 hectares; OSA, Costa Rica).
- Implementation of eco-efficient stoves for reduced deforestation (Chocó, Colombia).



Responsible artisanal fishing contributes to healthy oceans.





- Strengthening of fishery entrepreneurs
 - Training on administrative and environmental management
 - Equipment
 - Commercial promotion
 - Product quality improvement
- Insertion of artisanal fishers in high-value market niches.
- •Development of responsible artisanal fishing value chains.
- Creation of MarViva's 'Standard for Environmental Responsibility in the Commercialization of Marine Fish'.
- Seventeen points of sale certified (Colombia).
- In process certification of 8 additional commercial partners (Costa Rica, Panama, Colombia).
- Awareness generation among buyers and end consumers.

COMMUNITY TOURISM

- Strengthening of tourism micro-entrepreneurs
 - Training on administrative and environmental management
 - Equipment
 - Commercial promotion
- Creation of community networks and commercial linkages.
- Generation of ecotourism circuits
- Promotion of new destinations.
- Certification of local guides (safety, environmental sustainability).
- Development of commercial allies for responsible tourism services.
- Awareness generation among buyers and end consumers.

As consumers we have power to influence towards responsibility in the supply and demand of marine products and services.



Socially and environmentally sensitized buyers are certified with MarViva's Standard for Responsible Commercialization of Marine Fish.





Marine product compliant with responsible fishing criteria including selective gear and minimum size.

ACCESS TO CREDIT

• Promotion of Community Credit Companies (ECC) (Panama and Costa Rica).

CLIMATE CHANGE ADAPTATION

- Vulnerability and risk assessment.
- Awareness generation and capacity building among authorities and coastal population.
- Promotion of good practices to reduce human pressure on marine and coastal habitats and ecosystems, and to increase resilience in face of climate change (i.e.: clean technologies in artisanal fishing and eco-tourism operations, fishing gear substitution, species diversification).
- Strengthening of resilience of artisanal fishing and ecotourism in face of global warming impacts.



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LOCAL AND INSTITUTIONAL STRENGTHENING

Coastal countries in the Eastern Tropical Pacific face significant challenges that limit their proactive and reactive capacity in marine stewardship and protection. There are technical, political, budgetary, and structural barriers that difficult information flow and coordination and collaboration within government entities as well as between complementing national and international institutions. MarViva supports institutional and local capacity building to optimize the effectiveness of regulations, strategies, and plans for marine conservation and sustainable development. Through access to information, training, and partnerships between stakeholders, we promote a multi-sectoral, inter-institutional, and ecosystem approach to ocean stewardship. We offer guidance and technical and scientific training to strengthen decision-making and implementation and evaluation of the natural resources management and protection measures. Likewise, MarViva facilitates the establishment and consolidation of local governance structures, ensuring the insertion of community and civil society sectors in the integrated management of marine and coastal areas

. MARINE GOVERNANCE .

MarViva's inputs have been relevant in contribution to:

CREATION AND CONSOLIDATION OF GOVERNANCE AND PUBLIC PARTICIPATION STRUCTURES

- Management Commissions of Marine Areas of Multiple Use (AMUM), Gulf of Nicoya and South Pacific; Costa Rica
- Directive Council for Coiba National Park; Panama.
- Special Zone for Marine Protection Commission; Panama.
- Gulf of Nicoya Regional Community Network; Costa Rica.
- Community Committees for control and surveillance of Marine Protected Areas; Costa Rica.
- Inter-Institutional Coordination Platform-Great Gulf of Chiriquí, Panama .
- Artisanal Fishing Inter-institutional and Community Group (GICPA); Chocó, Colombia.
- Fishermen Federation of the Pacific (FEDEPESCA); Colombia .
- Responsible Tourism Community Network; Gulf of Montijo, Panama.
- La Cumbancha Alternative Tourism Circuit; Nuquí, Colombia.
- 'En Puja' Community Communications Committee; Nuquí, Colombia.

Local empowerment through information management (Community Communications Committee; Colombia)

Gulf of Montijo, Panama

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MarViva supports responsible tourism micro-entrepreneurs in marine and coastal areas

REGULATIONS COMPLIANCE.

COMBATTING ILLEGAL FISHING IN COLOMBIA, COSTA RICA, AND PANAMA

- Capacity building and equipment of port inspectors.
- Training of officers in judicial system.
- Standard protocols for vessel inspection.
- Updated databases and vessel registries.
- Systematized legal instruments and national and international regulations.
- Standard customs codes for control of illegal trade of vulnerable marine species.

CONTROL AND SURVEILLANCE OF MARINE AREAS

- Capacity building among park rangers, coast guards, and government staff associated with Marine Protected Areas.
- 10 years of maritime patrolling in conjunction with the authorities in Costa Rica and Panama.
- Highlight sanctions:
- ▲ Fine of US\$715,000 and confiscation of Tiuna vessel for illegal fishing in Coco Island National Park (Costa Rica, 2008)
- ▲ Administrative processing period in illegal fishing cases reduced from 12 to 6 months in the Great Gulf of Chiriquí (Panama, 2015)

- Patrolling vessels and equipment for maritime control and surveillance donated to the National Coastguard Service in Costa Rica and the National Air-Naval Service in Panama.
- Creation of trust funds in contribution to financial sustainability in the conservation of marine areas (Costa Rica and Panama).
- Enabled free access technology tools to facilitate civil society's reports of illegal activities and anonymous denouncements (Panama).
- Support for the construction and operation of the first Inter-institutional Control and Surveillance Station (Coast Guard, SINAC, INCOPESCA) (Costa Rica).

ACCESS TO INFORMATION

- National and international legislation (Costa Rica, Panama, Colombia).
- Fisheries data (Costa Rica).
- Vessels registry (Costa Rica, Panama).
- Marine species of commercial interest (Costa Rica, Panama, Colombia).



Donation of patrolling vessels to strengthen control and surveillance capacity in Costa Rica and Panama

MARVIVA)

20A ALDEA GLOBAL MIÉRCOLES 7 DE DICIEMBRE DEL 2011

Ciencia & TECNOLOGÍA

FIDEICOMISO DE \$2 MILLONES Patrullaje en Isla del Coco tendrá más fondos

ichelle Soto M

Con el fin de garantizar el dinero la patrullera que MarViva donará necesario para financiar las labo- al Servicio Nacional de Guardacosres de patrullaje marino en la Isla ta en las próximas semanas para

tereses, servirán para costear el



esde sam and surveillance capacity in Costa Rica and Panama

MARVIVA FOUNDATION

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informs the general audience and national and international interested parties through active presence in press, radio and television, social networks, conferences, fora, and awareness events.

Information dissemination is fundamental in our work. Through MarViva's regional Communications Program, we generate media advocacy and awareness in support of policy advocacy, the organization of human activities in the sea, development of responsible markets, and capacity building for marine conservation and sustainability. We reach multiple audiences, including decision makers, users of marine resources and services, private sector, consumers, academia, NGOs, donors, international community, and media.

INFORMATION AND DIVULGATION ACTIONS INCLUDE:

MEDIA PRESENCE

- Interviews in TV, radio, and press (newspapers, newsletters, magazines)
- Opinion articles
- Public events of massive attendance
- Protest
- Social media
- Information for the general public

THEMATIC CAMPAIGNS

MarViva promotes discussion on diverse topics of interest, such as: responsible consumption, fishing and tourism, Marine Protected Areas, illegal fishing, biodiversity conservation, marine pollution, high seas governance, climate change.

GENERATION OF RELEVANT CONTENT

- Support for production of documentaries The End of the Line: A world without fish (2009)
- Co-production of short documentaries Expedition to The Costa Rica Thermal Dome I (Costa Rica; 2015) Expedition to The Costa Rica Thermal Dome II (High Seas; 2017)

SHORT VIDEOS AND DOCUMENTATION OF PROJECT BENEFICIARIES' TESTIMONIALS

- Commercial partnerships for responsible fishing and consumption
- Climate change and marine biodiversity

PRODUCTION OF EDUCATIONAL MATERIAL

- On-line training
- Infographics

EVENTS ORGANIZATION

- Tastings (responsible fishing)
- Media tours
- Innovation ann technology applied to marine conservation (Fishackathon 2016)

INFORMATION DISSEMINATION THROUGH TECHNICAL AND EDUCATIONAL FORA

- National and international congresses
- Movie forums
- Publications

PUBLICATIONS

All of MarViva's initiatives are justified by technical and scientific information to ensure transparency and assertiveness in decision-making. The Foundation's regional Science team and complementing programs provide the required analysis for every action and recommendation. Experiences and results obtained in the diverse processes are synthesized to facilitate dissemination of information and lessons learned, as well as replication of successful strategies in the national and international levels.

MarViva has produced over 90 technical publications:

RESPONSIBLE PRODUCTION ACTIVITIES (in Spanish)

- Life Stories: Osa Conservation Area (Costa Rica, 2010).
- Guide of best practices for tourism and sports fishing (Costa Rica, 2010).
- Guide for best practices for sports fishing (Panama, 2011).
- Guide for best practices for sports fishing (Colombia, 2011).

• Guide for best practices for the construction and operation of tourism marinas (Costa Rica, 2011).

• Guide for best practices for the design and management of private and tourism marinas (Panama, 2011).

• Guide for identification of fish filets and seafood (Costa Rica, 2012).

• Guide for responsible observation of cetaceans (Panama, 2012)

• Guide of ecotourism attractions: Gulf of Montijo and Coiba National Park (Panama, 2014).

• Guide of concepts and proceedings towards responsible fishing (Costa Rica, 2014).

• Guide of best practices for responsible fishing for riverine artisanal fishers (Panama, 2014).

- Fishing gear, methods, and implements (Costa Rica, 2014).
- Building fishery value chains (Costa Rica, 2014).

• Guide of best practices for sports fishing (Panama, 2014, 2nd edition).

• Recovering the mangrove. Handbook for the development of mangrove recovery activities. (Colombia, 2014).

• Sowing and harvesting wood. Handbook for logging gardens. (Colombia, 2014).

• Cooking for conservation. Handbook for building log-saving stoves. (Colombia, 2014).

• Sowing and building better living. Community experience in Gulf of Tribugá (Colombia, 2014).

• Guide for training of artisanal fishers on responsible fishing matter. (Panama, 2015).



RESPONSIBLE CONSUMPTION (in Spanish)

- Guide to responsible fishing and consumption: What you need to know about fish arriving from Colombia's Pacific to WOK (Colombia, 2012).
- Marine invertebrates of commercial interest in Colombia's Pacific coast (Colombia, 2014).
- Marine invertebrates of commercial interest in Costa Rica's Pacific coast (Costa Rica, 2014).
- Marine invertebrates of commercial interest in Panama's Pacific coast (Panama, 2014).
- Fish of commercial interest in Colombia's Pacific coast (Colombia, 2014).
- Fish of commercial interest in Costa Rica's Pacific coast (Costa Rica, 2014).
- Fish of commercial interest in Panama's Pacific coast (Panama, 2014).
- Standard for Environmental Responsibility in the Commercialization of Marine Fish (Regional, 2014). *Available in English
- Standard for Environmental Responsibility in the Commercialization of Marine Fish: Species guide- Colombia (Colombia, 2015).
- Standard for Environmental Responsibility in the Commercialization of Marine Fish: Species guide- Costa Rica (Costa Rica, 2015).
- Standard for Environmental Responsibility in the Commercialization of Marine Fish: Species guide- Panama (Panama, 2015).
- Guide for implementation of the Standard for Environmental Responsibility in the Commercialization of Marine Fish (Regional, 2016).
- Fish of commercial interest in Colombia's Pacific coast (Colombia, 2017, 2nd edition).
- Fish of commercial interest in Costa Rica's Pacific coast (Costa Rica, 2017, 2nd edition).
- Fish of commercial interest in Panama's Pacific coast (Panama, 2017, 2nd edition).

STRENGTHENING OF INSTITUTIONAL CAPACITIES (in Spanish)

• Policy for criminal environmental prosecution (Costa Rica, 2005).

• Handbook on Las Baulas National Marine Park legislation (Costa Rica, 2005).

• Friendly guide on Las Baulas National Marine Park Management Plan (Costa Rica, 2005).

• Fisheries and Aquaculture Law (Costa Rica, 2005).

Handbook on Coco Island National Park legislation (Costa Rica, 2005).

• Handbook of environmental legislation for countries along the Eastern Tropical Pacific marine corridor (Regional, 2006).

 International conventions and environment: Recommendations for improved application of selected conventions for countries along the Eastern Tropical Pacific marine corridor (Regional, 2009).

• Conclusions, recommendations, and proposals towards the definition of policy guidelines for the protection, defense, and recovery of public use goods in Colombia's Pacific littoral (Colombia, 2009).

• Handbook on fisheries and marine and coastal legislation (Costa Rica, 2010).

• Guide for analysis of environmental crime (Panama, 2011).

• Handbook on procedures for inter-institutional coordination of marine areas with special emphasis on Coiba National Park and Gulf of Chiriquí National Marine Park (Panama, 2011).

• Compendium of fisheries regulations in Panama (Panama, 2011).

• Memoire: Incentives to promote conservation agreements (Colombia, 2012).

• Compendium of fisheries legislation in Costa Rica (Costa Rica, 2013).

• Towards improving the organization and institutional arrangements in Costa Rica's fisheries sector (Costa Rica, 2013).

- Guide for municipal environmental management of coastal and marine resources with emphasis in Gulf of Chiriquí (Panama, 2013).
- Compendium of Port State Measures Agreement and International Action Plan to prevent, deter, and eliminate illegal, undeclared, and unregulated fishing (Regional, 2013).
- Handbook on procedures for inter-institutional coordination of marine areas with special emphasis on Coiba National Park and Gulf of Chiriquí National Marine Park (Panama, 2014, 2nd edition).
- Zoning of Coiba National Park: Popular version based on the Management Plan (Panama, 2014).
- Field handbook for park rangers, with emphasis on coastal protected areas (Panama, 2014).
- Compendium of conclusions and recommendations from regional workshops on illegal, unreported, and unregulated fishing (Regional, 2016). **Available in English*
- Regional diagnosis of institutional capacities conditions and needs for adoption of FAO Port State Measures Agreement (2009) in Costa Rica, Panama, and Colombia (Regional, 2016).



FISHERIES MANAGEMENT AND CONSERVATION OF THE MARINE ECOSYSTEM (in Spanish)

- Key definitions for marine conservation (Costa Rica, 2006).
- National Strategy for integrated management of coastal and marine resources in Costa Rica (Costa Rica, 2008).
- Trawl fishing in Costa Rica (Costa Rica, 2010).
- Diagnosis on the main fisheries in Colombia's Pacific (Colombia, 2011).
- Identifying replicable strategies for shark conservation and contribution to a balanced marine ecosystem (Panama, 2014).
- Illegal marine fishing in Colombia (Colombia, 2016).
- Sustainable fishing plan for Coiba National, popular version (Panama, 2016).
- Artisanal fishing in Coiba National Park and its buffer zone: Resource and fisheries biology, with management recommendations (Panama, 2016).
- Socioeconomic characterization of the semi-industrial shrimp trawling sector in Costa Rica's Central Pacific (Costa Rica, 2016).
- Artisanal fishing in Colombia's northern Pacific (Colombia, 2016).
- Tuna fisheries in Costa Rica: An opportunity for development (Costa Rica, 2017).
- Diagnosis on the situation of sea turtles in Panama and Conservation Action Plan (Panama, 2017).
- National Action Plan for conservation of sea turtles in Panama (Panama, 2017).



MARINE SPATIAL PLANNING (in Spanish)

- The coastal ground. Proposal for its acknowledgement. (Colombia, 2010).
- Diagnosis on coastal and marine protected and management areas in Colombia's Pacific (Colombia, 2010).
- Diagnosis on marine protected and responsible artisanal fishing areas in Panama's Pacific (Panama, 2011).
- Diagnosis on marine protected and responsible artisanal fishing areas in Costa Rica's Pacific (Costa Rica, 2012).
- Marine Spatial Planning: A Guide to Concepts and Methodological Steps (Regional, 2013). *Available in English
- Marine Spatial Planning. Pilot Project: Cabo Matapalo-Punta Burica (Costa Rica, 2014).
- Zoning of Gulf of Chiriquí National Marine Park (Panama, 2014).
- Towards the declaration of a new Marine Protected Area (MPA) in Gulf of Tribugá, northern Pacific (Colombia; 2014).
- Coastal and Marine Atlas of Colombia's northern Pacific (Colombia, 2016).
- The Thermal Dome of Costa Rica: An oasis of productivity at the Pacific Coast of Central America (Costa Rica, 2017).* Available in English



PUBLIC PARTICIPATION AND LOCAL GOVERNANCE (in Spanish)

- Handbook on access to information and public participation on environmental matters (Panama, 2012).
- Participatory fishing monitoring in the Exclusive Zone for Artisanal Fishing (ZEPA) (Colombia, 2014).
- On the tide's pace: Communications as local governance instrument in Gulf of Tribugá (Colombia, 2015.)
- GICPA (Artisanal Fishing Inter-institutional and Community Group), a partnership for fisheries planning in northern Pacific Chocó (Colombia, 2016).
- Users guide: Ocean Watchmen app (Panama, 2016).
- On the tide's pace: Communications as local governance instrument in Gulf of Tribugá (Colombia, 2017, 2nd edition).

WHERE ARE WE HEADED

During the next five years (2018-2022), MarViva Foundation will continue to support:

1) MARINE SPATIAL PLANNING (MSP):

• Policy and media advocacy for improvement of the regulatory and institutional framework.

• Integrated management of marine resource and areas with long-term perspective for protection of biodiversity and sustainable development.

• Multi-sectoral participation in planning and decision-making.



2) RESPONSIBLE MARKETS:

- Responsible production activities, with emphasis on fishing, ecotourism, and solid waste management.
- Involvement of market demand in good practices for consumption of marine products and services, as well as use and management of wastes affecting sustainability.
- Consolidation of market incentive models through transfer of marine conservation benefits to most vulnerable populations.
- Implementation of technology and electronic systems for traceability of fishery products.
- Support to aquaculture initiatives.
- Promotion of environmental responsibility criteria for cultivation of marine species.
- Promotion of environmental responsibility criteria for the use of disposable plastics.

3) STRENGTHENING INSTITUTIONAL AND SECTORAL CAPACITIES:

- Inter-sectoral and inter-institutional coordination to comply with regulations and best practices regarding human activities in the sea.
- Deterrence of marine pollution due to single-use plastics.
- Adaptation of critical productive activities in face of climate change (fishing, tourism).
- Corporate sector involvement in marine protection and integrated management.
- Transparency on information management and access.
- Combat against illegal fishing, illegal trade of vulnerable species, and over-exploitation of marine habitat and ecosystems (including fisheries and mangroves).
- Consolidation of local marine governance models.
- Establishment of High Seas marine governance models.



NATIONAL, REGIONAL, AND INTERNATIONAL PARTNERS

We are part of a broad ecosystem of ally organizations in promotion of marine conservation and sustainability.

THEMATIC PARTNERSHIPS:

Blue Solutions Initiative Convention on the International Trade in Endangered Species of Wild Fauna and Flora (CITES) Convention on the Conservation of Migratory Species of Wild Animals FAO Friends of User Rights Group Fair Trade International Global Seafood Ratings Alliance Gulf and Caribbean Fisheries Institute High Seas Alliance International Whaling Commission Mission Blue Plastic Pollution Coalition UN Environment Assembly, UNEA (Observer) UN Framework Convention on Climate Change, UNFCCC (Observer) Eastern Tropical Pacific Marine Corridor (CMAR) International Union for the Conservation of Nature (IUCN)

CURRENT COOPERATION AGREEMENTS:

Andes University, Colombia Amador Foundation (Biomuseum-Panama) Cenfotec University, Costa Rica Central American Commission on Maritime Transport (COCATRAM) Central American Fisheries and Aquaculture Organization (OSPESCA) Florida State University in Panama (FSU Panama) Forever Costa Rica (ACRXS) Hover Tour International Corporation International Maritime University in Panama (UMIP) LEAD University, Costa Rica Ministry of Environment, Panama National Association for Nature Conservation, Panama (ANCON) National Fisheries Foundation. Panama (Funapesca) National Fisheries Institute. Costa Rica (INCOPESCA) National System of Conservation Areas, Costa Rica (SINAC) Central American Fisheries and Aquaculture Organization (OSPESCA) Public Ministry, Panama South Pacific Permanent Commission (CPPS) Takami Restaurants. Colombia Tourism Authority in Panama (ATP) Trust for Conservation Innovation (TCI) United Nations Environmental Program (ONU Medio Ambiente) University for International Cooperation (UCI) University of Costa Rica, Maritime Training Center (CIMAR) Water Center for the Humid Tropics in Latin America and the Caribbean, Panama (CATHALAC) WOK Restaurants. Colombia





MARVIVA IN NUMBERS (October 2002-June 2017)

Thanks to the generous contribution of our donors, since its creation MarViva Foundation has invested over **US\$60 million** in the region:

MarViva Foundation

Geographic Investment

(2002-JUNE 2017)

| Costa Rica | 39% |
|------------|-----|
| Panama | 27% |
| Regional | 21% |
| Colombia | 13% |



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OUR SINCERE THANKS

MarViva Foundation is possible thanks to the commitment and support of our:

Staff in Costa Rica, Panama, and Colombia, and those who have been part of our team along these 15 years.

Allies in project implementations, including government authorities, local leaders, community-based organizations, corporate sector, scientific community, NGOs, media...

Board of Directors:



Roberto Artavia, PhD (2008-present) (SAN JOSÉ, COSTA RICA)

President of VIVA Trust and member of the Board of Directors of INCAE, which is recognized as the best business school in Latin America. International consultant specialized on agro-industry, sustainable development, management of non-profit organizations and corporate social responsibility. Naval and Mechanical Engineer, Roberto holds a PhD in Business Administration from Harvard and a Master's Degree in Business Administration from INCAE.



Sibylle Feltrin (2016-present) (Zurich, Switzerland)

Director of Avina Stiftung- Swiss foundation for social and ecological sustainability- since 2012. Sibylle began working for Avina Foundation (Avina Stiftung's sister organization) in 2001, analyzing and evaluating projects in Latin America. She has served as member of the Board of Directors of Avina and Secretary of the VIVA Trust.



Gian Castillero (2002-present) (PANAMÁ CITY, PANAMÁ)

Founding member of MarViva. Specialist on commercial, corporate, and maritime law. Private advisor in assets management, structuring and management of philanthropic entities, fiscal planning, and business consulting. Gian holds a Master's Degree in Business Law from the School of Economic Sciences, University of London, and a Bachelor's Degree in Law and Political Sciences.



Christian Verling (2002-2016) (VADUZ, LIECHTENSTEIN)

Founding member of MarViva. Executive Director of Crea Trust (Switzerland), President of Bamont Trust Company Ltd. (Bahamas), and co-founder of VVT Asset Management Trust (Vaduz). Accountant and certified trustee, specialized on private banking, investment management, corporate services, and international law.

And additional **founders** and collaborators in the **Founding Council:** Erica Knie (RIP), Rafael Morice, Fernando Arias, Rogelio De La Guardia (RIP), and Gabriel Griffa.

Scientific Advisory Committee:



Steve Gaines, PhD

Dean of the Bren School for Management and Environmental Science from the University of California at Santa Barbara. Marine ecologist, he seeks marine conservation solutions linking innovative ocean science with more effective policy and public administration. His research explores the design of marine reserve networks, impacts of climate change on marine ecosystems, sustainable fisheries management based on market reforms, and the role of aquaculture to meet future demand for food. In each of these scientific initiatives, he has been a strong promoter of communications to strengthen the impact of marine science. PhD from Oregon State University, Steve was recipient of a Pew fellowship, the Marc Hirshman Award for excellence in student mentoring, and the Peter Benchley Award in the category of Maritime Science.



Charles N. Ehler, PhD

Specialist consultant on Marine Spatial Planning (MSP) and integrated coastal management. Advisor to international organizations, governments, and NGOs. He developed his professional career in the National Oceanic and Atmospheric Administration (NOAA) and the Environmental Protection Agency (EPA) of the United States. He was Marine Vice-Chair of IUCN World Commission of Protected Areas, and university professor on regional planning and management of natural resources. In 2007 the Intergovernmental Panel on Climate Change (IPCC) recognized the contribution of his early work on coastal adaptation to the award of the Nobel Peace Prize to the IPCC. He is a renowned international speaker and author of multiple publications, including the UNESCO guides Marine Spatial Planning: A Step-by-Step Approach toward Ecosystem-based Management (2009) and Evaluating Marine Spatial Plans (2014).



Jon C. Day

Specialist in protected area planning and national park management. During 28 years, he collaborated with the Great Barrier Reef Marine Park Authority in Australia, in the planning and management of the world's largest coral reef ecosystem. His responsibilities included leadership positions, with emphasis on conservation issues, protection of world heritage, partnerships with native populations, and impact assessment in the Marine Park. Career highlights include his role in the Representative Areas Program, with regards to the largest rezoning of the Great Barrier Reef, which received numerous awards and global recognition. Recipient of the Public Service Medal by the Government of Australia and researcher at the Smithsonian in Queensland, Jon is an author, technical adviser, and international speaker. He is currently working on his PhD at James Cook University, documenting learnings on marine protected areas planning and management.

VOLUNTARY PROFESSIONAL SUPPORT:



Alonso Betancourt Financial Advisory Committee



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We especially appreciate OCEAN OVERSEAS, and the financial, technical, and operational support of our additional donors, companions in our mission during MarViva's trajectory from 2002 until 2017 (updated to June 2017), among them:

FINANCIAL CONTRIBUTION OF MAJOR DONORS:

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Ministerio de Ambiente y Desarrollo Sostenible-Colombia

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Fondo para la Cohesión Social (COHESAL)

Corporación Autónoma Regional para el Desarrollo Sostenible del Chocó (CODECHOCÓ)

JM Kaplan Fund

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Corporación para el Avance de la Región Pacífica y Darién (CORPARIÉN)

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Regional Activity Centre for the Protocol Concerning Specially Protected Areas and Wildlife, Wider Caribbean Region (SPAW-RAC)

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Organization of American States (OAS)

National Oceanic and Atmospheric Administration (NOAA)

Patrimonio Natural

International Union for the Conservation of Nature (IUCN)

Moore Foundation

and multiple individual and institutional partners that have supported MarViva financially since its creation.

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and additional corporate partners which in-kind contributions facilitate our work.

iThank you for 15 years of shared challenges and achievements in contribution to the conservation and sustainable use of the ocean!

DONATIONS:

http://www.marviva.net/es/done-aqui

MarViva Foundation is a regional, non-governmental, non-profit organization with mission to promote the conservation and sustainable use of coastal and marine resources in the Eastern Tropical Pacific, with vision of healthy and biodiverse oceans for the present and future generations.







Colombia: +571 743-5207 • Costa Rica:+506 2290-9600 • Panama:+507 317-4350 *info@marviva.net www.marviva.net*