

2015-16 PROGRESS REPORT



OUR FOCUS AND GLOBAL IMPACT

PROTECTING OUR GLOBAL PARKS

Global Conservation is working to ensure a protected and sustainable future for the most important and endangered UNESCO World Heritage and National Parks in developing countries.

UNESCO World Heritage and National Parks are our best opportunity to protect our last intact wildlife habitats, forests and ecosystems. In many cases, national parks are the only patch of green left on the earth in the countries where we work.

Today our last remaining forests and wildlife habitats are being lost and destroyed by rampant wildlife poaching, illegal logging, mining, ranching and agriculture. National parks are the last bastion for saving our major intact forests and ecosystems critical for endangered species to survive.

Recent studies conclude that wildlife populations around the world have decreased by more than 50 percent between 1970 and 2010. During the same period, we have lost over 40% of our intact tropical rainforests, which are critical for the survival of endangered species and the water and ecosystem services needed for local human populations.

We work with national governments, park authorities and local communities to achieve 'No Cut, No Kill' protection through a proven Global Park Defense program—planning, protection, community and partners—for long-term sustainable sustainable park and wildlife protection.

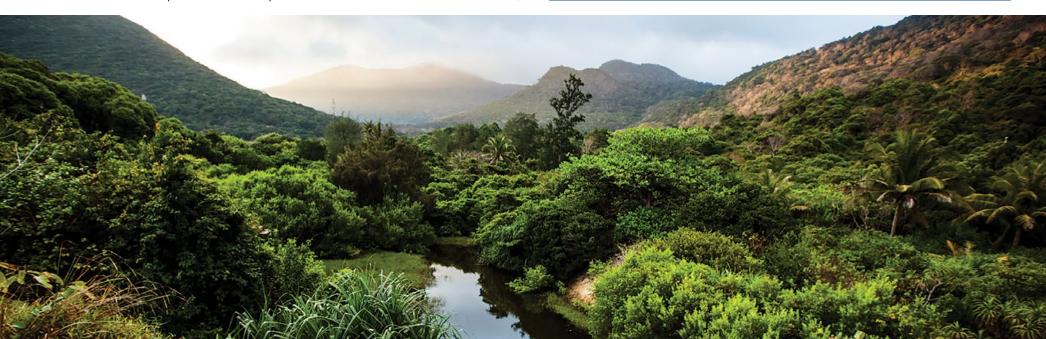
WHY WORLD HERITAGE?

Global Conservation is focused on UNESCO World Heritage parks due to their intrinsic Universal Value to Mankind—Natural and Cultural Heritage.

UNESCO parks generally receive the highest priority by

government for protection, though are losing intact forests and wildlife habitats due to underfunded and over-extended ranger teams, and lack the technology, systems and communications needed for real protection. At the same time, UNESCO World Heritage parks attract thousands of international and local visitors that provide the sustaining income needed for long-term protection.





FROM THE EXECUTIVE DIRECTOR

Dear Friends of Global Conservation,

Thank you for your support from Silicon Valley to New York and for our co-funders in the countries where we work.

We have made major accomplishments in the five UNESCO World Heritage and National Parks in Asia and Latin America to achieve 'No Kill, No Cut' through our Global Park Defense program and methodology, bringing the latest technology, communications, training and systems to endangered Global Parks.

Our mission to protect the most important and endangered UNESCO World Heritage parks has never been more critical. We are working to save millions of acres of critical wildlife habitat, intact forests and ecosystems for future generations. Global Parks are becoming the last bastion to save our endangered wildlife, both terrestrial and marine. And we are there.

We have reversed the destruction of Thap Lan World Heritage in the past year arresting hundreds of illegal loggers and wildlife poachers, and are now on track to achieve 'No Kill, No Cut' within the next three years.

We are stopping deforestation, wildlife poaching, illegal logging and mining. By providing critical resources, training and equipment to park authorities, ranger teams and local NGOs, we give our partners the tools and methodology they need to succeed against the destruction of our most precious parks in developing countries.

We are creating long-term sustainable protection through strengthening of the national park authorities responsible for park protection and management. No international group or NGO can replace these critical national park authorities for the long-term success of protection and conservation of our UNESCO World Heritage. But they need our help.

Sustained by the generosity of our supporters—global philanthropists like you, who believe in our mission and impact, we are able to achieve lasting protection for a national park within four to five years with modest investments in a Global Park Defense program to align the needed legal, enforcement and financial incentives - Planning – Protection – Community – Partners.

Our achievements over the past two years are only possible with your dedicated funding. Whether you are new to Global Conservation, or an old friend, we count on your generosity and commitment to make our success possible.

Thank you for your critical support.

Jeff Morgan
Executive Director



JEFF MORGAN, EXECUTIVE DIRECTOR

Since touring Channel Islands National Park with Steve McCormick of the Nature Conservancy 20 years ago, Jeff has committed his life to protecting national parks and UNESCO World Heritage. A graduate of Cornell University and Stanford Graduate School of Business, he founded and led Global Heritage Fund, raising over \$40 million for world heritage conservation in just under a decade. Now he is focusing on nature and wildlife conservation in **UNESCO** World Heritage sites with the same passion, commitment and drive to achieve park protection and conservation success with local communities and park authorities across the developing world.

DONOR SPOTLIGHT | FRANKLIN "PITCH" AND CATHIE JOHNSON



A pioneer Silicon Valley venture capitalist and community leader, Pitch Johnson and his wife Cathie support Global Conservation as an investment to protect our most important and endangered UNESCO World Heritage parks, like Mirador National Park in Guatemala where they visited its Maya ancient cities, temples and pyramids in the heart of the Maya Biosphere.

As a co-founder of one of the Valley's first venture capital firms, Pitch has a track record in backing high-risk, high-reward efforts and has helped launch more than 200 companies.

"We have a responsibility to pass on to our children and future generations global parks of the world like Mirador National Park," said Pitch and Cathie. "Global Conservation is bringing master planning, the latest technology and international conservation support to ensure the protection of priceless natural and cultural treasures."

YOUR SUPPORT AND OUR CO-FUNDERS MAKE OUR WORK TO PROTECT ENDANGERED GLOBAL PARKS POSSIBLE.



PARTNER SPOTLIGHT | FORUM KONSERVASI LEUSER (FKL)

Forum Konservasi Leuser (FKL) is our local partner in conservation dedicated to protecting the Leuser Ecosystem, one of the most biodiverse hotspots in the world. Home to rhinos, orangutans, tigers and elephants, the area is under enormous threat from poachers and deforestation clearing for palm oil plantations. Global Conservation support for FKL has enabled master planning,

patrols, legal enforcement against illegal clearing and logging, and successful lawsuits against companies destroying the Leuser Ecosystem. Today, our support has enabled 12 SMART Patrols covering 60% of the Leuser Ecosystem to be equipped with satellite communications, survival equipment and critical supplies for 10-day ranger patrols across millions of acres.



WHERE WE WORK

WE PROTECT UNESCO WORLD HERITAGE PARKS WITH HIGH BIODIVERSITY AND MEGAFAUNA, AND INTACT ECOSYSTEMS—TERRESTRIAL AND MARINE



GLOBAL PARK DEFENSE

Global Conservation works with park directors, ranger teams, national governments and local communities to implement Global Park Defense—an integrated program for planning, protection, community involvement and partnerships to achieve 'No Kill, No Cut' in highly threatened UNESCO World Heritage and National Parks.



Global Park Defense combines the latest technology, methodology and systems to enable transformational change in both the actual and perceived protection of a national park, with the goal of eliminating all illegal activities.

Global Conservation works with proven local partners and only the most dedicated and effective park authorities to design defenses and patrol strategies to interdict and arrest well-armed poachers, illegal loggers and mining operations, while

working closely with local communities who benefit directly from the parks' conservation and long-term protection.

Five major initiatives work together to enable 'overstretched' national parks to combat and eliminate illegal poaching, logging and mining with their existing ranger teams.

- 1) Threat Assessment
- 2) Advanced Surveillance
- 3) Park Border Demarcation
- 4) SMART Ranger Patrols
- 5) Community Involvement

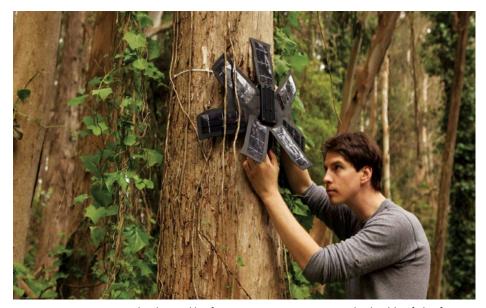
THREAT ASSESSMENT

Most of the Global Parks in developing countries today are under siege. Despite accelerating threats, few have necessary resources, basic equipment and communications for protection and enforcement. Global Conservation begins with a detailed Threat Assessment and Protection Plan working with leading experts to focus patrolling efforts on the highest threat wildlife habitats and core primary forests. Planning combines local knowledge with critical monitoring from trailcams, satellites, drones, patrols records, community input and advanced mapping.

ADVANCED SURVEILLANCE

Global Conservation is working with the best and most cost effective park defense technologies to support rangers in high threat areas. Global Park Defense technologies include:

TRAILCAMS. Based on low-cost consumer technologies, Trailcams use satellite, cellular or radio connections to send surveillance photos in real time of poachers and other illegal trespassing from around the park to ranger patrols with location, heading and facial images for later prosecution.



Forest sensors. New technologies like forest sensors can measure the health of the forests, wildlife and bird popultions while listening for chainsaws and gunshots.

Courtesy: Rainforest Connections, Topher White



SATELLITE COMMUNICATIONS

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UVA DRONE 'EYES IN THE SKIES"



POACHER CAM CAMERA TRAPS



UGS SEISMIC SENSORS



Local Police Community Groups State and Federal

Planning, Training, Implementation, Assessment

GROUND Ranger Patrols

Daily Threats Reporting Radio, GPS, Mobile

AIR

Day & Night Patrols AUV Drones Mapping and Monitoring ID Poaching and Logging

SENSORS

Trails & Roads Threat Zones Daily Uploads and Threat Assessment

OUTREACH

Community Eyes on the Park Legal Systems, Informant Networks

Technology, Software and Communications



GLOBAL PARK DEFENSE

NATIONAL PARKS







PARK BOUNDARY



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GLOBAL PARK DEFENSE



UAV DRONES. Low-cost drones run aerial reconnaissance up to 40 kilometers per flight to identify campfires at night and illegal logging and encroachment during the day. Drones are ideal for tracking trucks, logging camps and other illegal activities in outlying areas inaccessible to patrols.

SATELLITES. Free services like Global Forest Watch today provide weekly updates on fires, forest clearing, illegal logging and mining camps, new road construction, and major changes to the park ecosystem. Google Earth and Landsat imagery today can identify encroachment down to one meter, and patrol teams can be immediately alerted to prevent forest loss.



COMMAND AND CONTROL. We implement the latest in GIS-based management and dispatch systems for ranger teams. Working with law enforcement, park directors can manage all patrol movements, interdictions and arrests, location of cameras and sensor and aerial surveillance in a unified command and control system. Wildlife and forestry surveys, park topography, primary road and trails, accurate borders, Landsat imagery and aerial photogrammetry can all be integrated for true domain awareness.

PARK BORDER DEMARCATION

We request that each park where we work commit to install professional park border signage for over 30% of the park boundary. Global Park Defense plaques are placed on or near park demarcation signs and indicate the presence of ranger patrols, aerial surveillance and hidden surveillance cameras.

SMART RANGER PATROLS

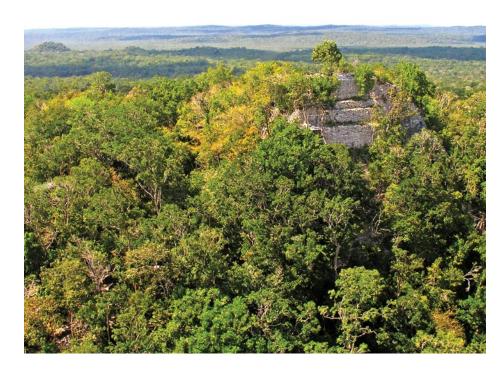
The Spatial Monitoring and Reporting Tool (SMART) combines software and training to enable transparent monitoring of the effectiveness of anti-poaching efforts by protected-area authorities and community groups. SMART has proven highly effective to empower park staff, boost motivation and increase interdictions and arrests. SMART provides timely and accurate information on where, how and by whom poaching, illegal logging and other direct threats to biodiversity are occurring.



COMMUNITY INVOLVEMENT

Global Park Defense involves local communities in Community Ecoguard programs to supplement ranger teams and we establish a strong reward-based informant system with a toll-free number to report illegal activities. An independent 24/7 call center forwards all reports to be reviewed and dispatched by volunteer teams of former law enforcement officers and wildlife crime experts. Up to a \$500 reward is granted, for example, to anonymous informers whose tips result in a successful prosecution, \$200 in the case of a successful arrest.

OUR GLOBAL PARKS | GUATEMALA MIRADOR NATIONAL PARK





Mirador National Park is the largest intact primary forest and wildlife habitat remaining in Central America with over 40 major ancient Maya cities, immense temples and pyramids and hundreds of miles of interconnected causeway road systems, all in an area larger than Yellowstone.

Mirador is the Heart of the Maya Biosphere, a UNESCO World Heritage site, which is losing an average of 120,000 acres a year to land clearing for slash and burn agriculture and cattle ranching.

Global Conservation's work in Mirador is focused on establishing a Mirador Park Authority and ranger teams, including a new Community Ecoquard equipped and trained. We are supporting critical tourism and park infrastructure including year-around trails, safety and security, communications systems and water cisterns in four ancient Maya cities. With the support of the new President Jimmy Morales, we are working for permanent protection and tripling the size of Mirador National Park.

We are investing in a 5-year park transformation program with Global Park Defense to achieve "No Kill, No Cut" to stop rampant wildlife poaching, looting of archaeological sites and illegal logging and land clearing.

Partners: Foundation for Anthropological Research and Environmental Studies (FARES), FundaEco, Rainforest Trust, CONAP and the Government of Guatemala.

ACCOMPLISHMENTS

• Global Conservation has brought a strong 4 year program kicking off in 2016 with a number of accomplishments in planning, protection, community and partners.

PLANNING

- Completed draft Mirador Master Plan with input from over 60 stakeholders. Includes options and budgeting for infrastructure, jobs, development, community training and conservation of natural and cultural world heritage of Mirador.
- Sponsored mapping and improvements for new year-around trail on an upland route which will be critical to increasing visitors and dedicated ecotourism businesses into Mirador.
- Kicked off the Mirador Ecotourism Summit and Workshops to improve employment, value added services and livelihood potential for 1,200 local members.
- Designed Global Park Defense for Mirador including all communications,

surveillance, patrolling and software systems needed to achieve high-effectiveness over large patrol areas while ensuring visitor security / safety.

PROTECTION

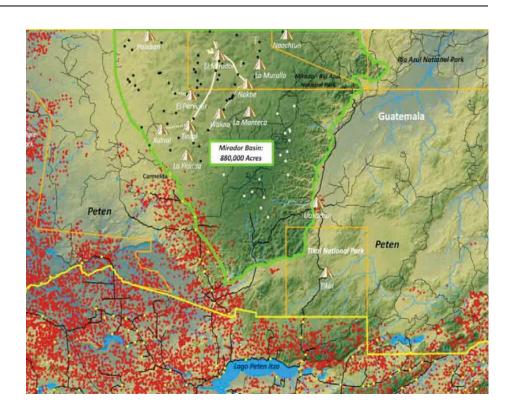
- Completed over 2,200 miles of patrolling by Mirador Ecoguards meeting hundreds of groups working in the forest, many hunting, looting and poaching. The presence of Mirador Ecoguards is now putting pressure on these groups to reduce any illegal activities and focus on sustainable tourism and forest products.
- Deploying camera traps across Mirador for wildlife monitoring and identification of poachers, with potential to upgrade to cellular and satellite communications.
- Trained the lead rangers from Mirador at the World Ranger Congress and by the U.S. Park Service in Yellowstone and Grand Teton National Parks.
- Expanded patrol areas by three times now covering 40 ancient Maya cities and over 300,000 hectares in and around Mirador National Park.

COMMUNITY

- Completed two major 50,000 gallon water cisterns critical for rangers, tourists (now over 3,000 visitors) as well as for Mirador archaeological teams (over 300 people).
- Installed by our partners a new town water system for Carmelita and 30 new computers in the Carmelita school.
- Training of Mirador Guides on cultural, natural and geological history of Mirador. Over 45 certified Guides now from the local gateway communities.



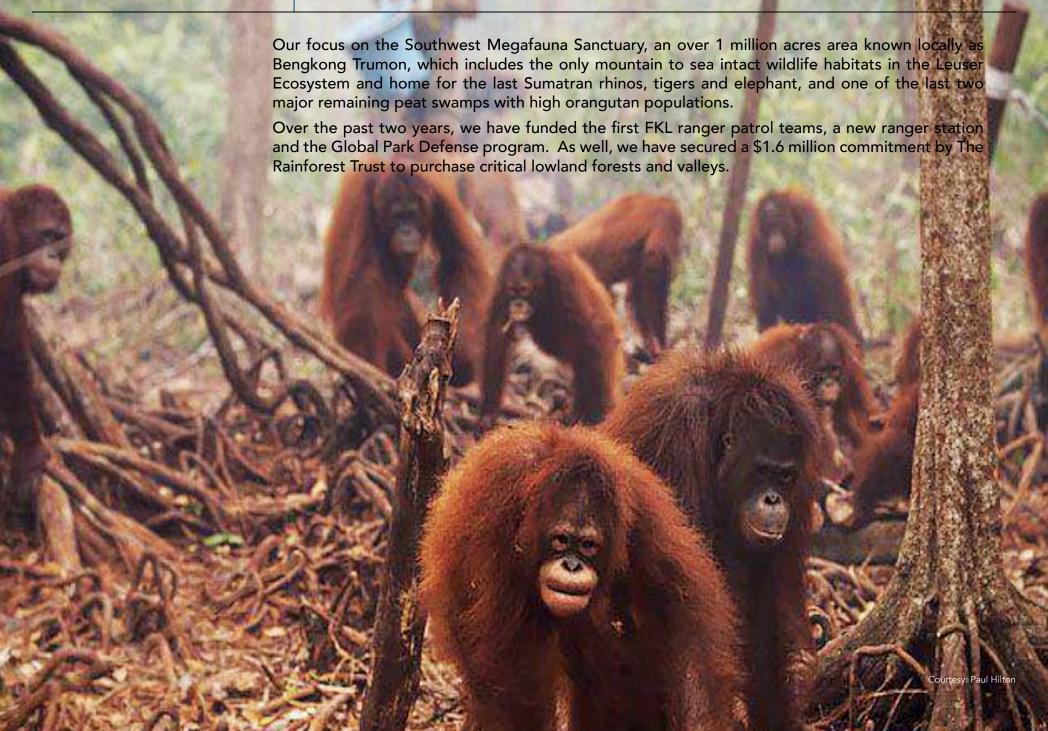
Community Ecoguards now patrol an average of 1,200 miles a month throughout Mirador to stop illegal activities and provide security for visitors.



PARTNERS

- Co-funded new alliance for protection of Mirador including Rainforest Trust, a major global land conservancy and FundaEco, one of Guatemala's best NGOs working in 15 protected areas.
- Working with Carmelita Tourism Cooperative, Mirador Guide Association and the Ministry of Tourism to improve capacity and certification for Mirador Ecotourism.
- Strengthened partnership with CONAP, the Council of National Protected Areas of Guatemala to create the first Community Ecoguard program, now with 12 full-time Ecoguards supporting CONAP ranger teams.
- Received support from the Presidency of Guatemala, Ministry and Environment, INGUAT Tourism Authority and multiple communities and NGOs in Peten.

OUR GLOBAL PARKS INDONESIA LEUSER ECOSYSTEM, SUMATRA



ACCOMPLISHMENTS

PLANNING

- Developed campaigns to legally protect Leuser Ecosystem as well raised dedicated support for new policy initiatives to stop illegal clearing and forest destruction.
- Supported work of HAkA to win against palm companies illegally destroying Leuser, including a \$26 million award upheld by the Supreme Court of Indonesia.
- Supported the Leuser Alliance and its master planning work, detailed mapping and prioritization of critical wildlife corridors and high-threat zones for patrolling and community socialization.

PROTECTION

- Built the new ranger station at Suraya on the Alas River to maintain close monitoring of illegal activities and land clearing.
- Implemented SMART Patrols throughout the Leuser Ecosystem and national park (12 patrols in total). Co-funded 5 dedicated FKL Patrols for the Southwest Megafauna Sanctuary.
- Removed thousands of wildlife snares and arrested 36 wildlife poachers and illegal loggers. Supported the Wildlife Crime Units to shutdown 3 major wildlife trafficking rings.
- Deployed satellite communications for all ranger teams enabling rapid



response to wildlife and forest emergencies, and better coordination over large areas.

• Funded the acquisition of key lands in the Suaq River Preserve across from the national park as the beginning of a new 5,000 acres wildlife corridor connecting Kluet Swamp and upland habitats.

COMMUNITY

- 9 of the 13 districts within the Leuser Ecosystem came together with HAkA and FKL to support an Aceh-wide moratorium on logging and mining this year.
- Socialization efforts and negotiations with land squatters released thousands of acres into land conservation securing key rivers and wildlife corridors.
- A citizens lawsuit is succeeding to revise the Aceh Provincial Spatial Plan which will destroy 50-60 percent of Leuser if implemented. We are working to gain designation of Leuser Ecosystem as a "national strategic area" for its environmental value.

PARTNERS

Building the Leuser Alliance, we have helped secure 8 new major funders in the past 3 years. We now support protection in 6 Forestry Management Units (FMUs) across over 40 communities.

Farwiza Farhan, the co-founder of our partner Forest, Nature and Environment of Aceh (HAkA), received The Whitley Award for Nature, selected from 130 conservationists from around the world.



OUR GLOBAL PARKS THAILAND THAP LAN WORLD HERITAGE

ACCOMPLISHMENTS

Over the past year, Global Conservation has supported redesign of patrolling and enforcement through Global Park Defense technologies and systems. Thap Lan park authorities and rangers now have a solid plan and methodology to achieve 'No Kill. No Cut' enforcement.

PLANNING

• Park threat assessment and redesigned ranger infrastructure and communications plans completed.

PROTECTION

- Cellular Trailcams implemented along entire Western park border covering trails and roads.
- Real-time surveillance netting 100s of additional arrests, multiplying patrol effectiveness.
- Built Command and Control Center for SMART Patrol planning, briefings and debriefs.

COMMUNITY

- Working with 15 communities to provide critical intelligence on illegal foreign and Thai activities.
- New plan opens Thap Lan World Heritage to the public multiplying ecotourism business opporrunities.

PARTNERS

- Global Conservation has enabled WCS Thailand to secure all needed equipment, training and systems.
- New government, police and military support for Global Park Defense program nearly doubles annual resources to deal with poaching and illegal logging crisis.









OUR GLOBAL PARKS CUBA JARDINES DE LA REINA NATIONAL MARINE PARK

Jardines de la Reina National Park is a world treasure, one of the last major intact marine protected areas (MPA) in the Caribbean, and the last refuge for critically endangered sharks, groupers and sea turtles in Cuba. Hundreds of illegal boats are entering the national marine park to exploit the last remaining shark and turtle populations.

Global Conservation is deploying Global Park Defense for MPA Protection against this onslaught of illegal fishing and poaching of Jardine's precious marine life, which will destroy the last major intact marine ecosystem in Cuba.



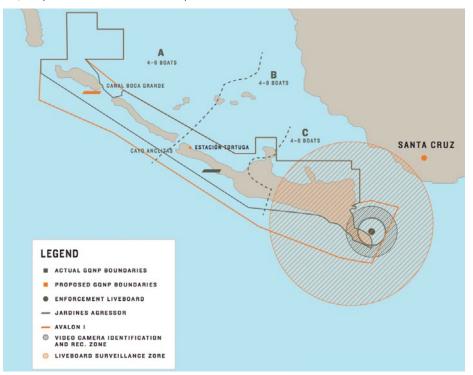
ACCOMPLISHMENTS

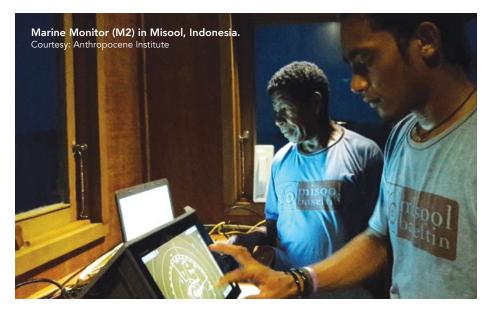
Global Conservation is pioneering Global Park Defense for Marine Protected Areas (MPAs), a cutting-edge technology platform that combines radar and video monitoring, UAV Drones and SMART Patrols to enable marine park authorities to detect suspicious fishing activity and wildlife poaching.

Our investment in Global Park Defense systems, technology and training will enable Jardines de la Reina National Marine Park to protect its precious intact marine ecosystem from hundreds of wildlife poachers and illegal fishermen entering from Southern Cuba and soon the United States.

PLANNING

- Completed Threat Assessment and MPA Protection Plan for largest archipelago national marine park in Cuba.
- Secured donation and co-funding of a \$1.2 million 100' vessel—The Spree
 to be stationed in the highest Threat Areas for sea life poaching of rare grouper, shark, turtle and tarpin.





PROTECTION

- Deployed Global Park Defense for Marine Protected Areas (MPAs) system combining SMART Patrols with advanced marine radar system.
- New Marine Monitor (M2) system covers 60+ nautical mile radius providing 24/7 surveillance.
- Training Ministry of Fisheries Inspectors and crew on Global Park Defense in cooperation with coast-based law enforcement.

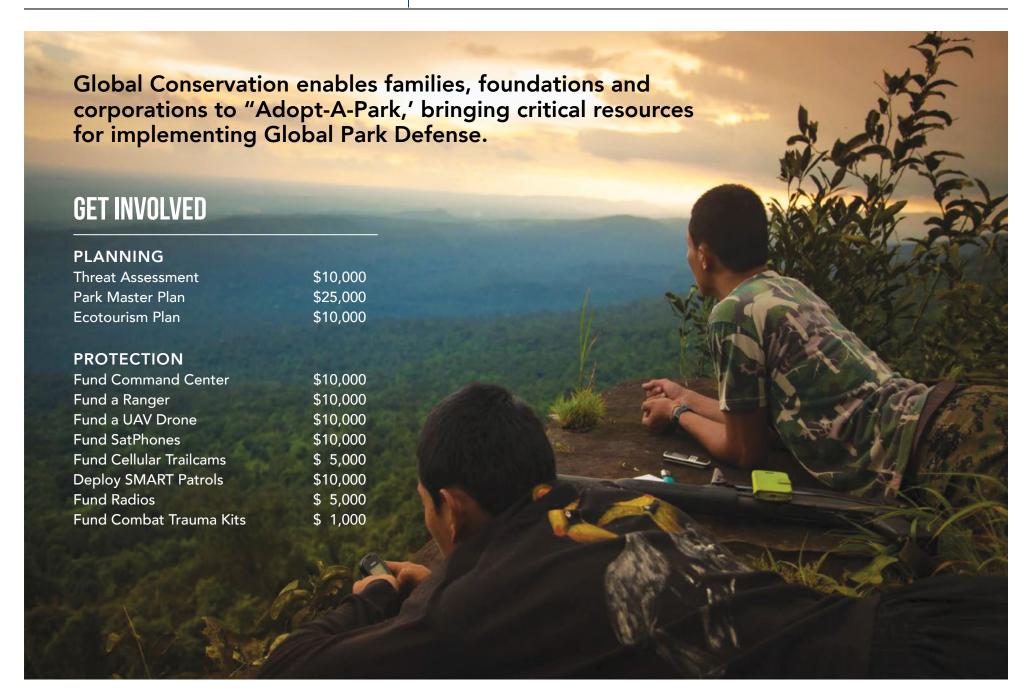
COMMUNITY

- New Protection and Science program expected to train and employ 40-50 Cubans, along with over 120 working for dive and fishing tourism.
- Increased presence of protection, science and tourism teams expected to decrease or eliminate illegal fishing pressures on Jardines.

PARTNERS

- New Conservation User Fee will enable sustainability of protection program expected to provide over \$500,000 a year.
- Government of Cuba and local communities both benefit from a new model of marine conservation and strict enforcement working with sustainable tourism, one of first in Cuba.

UNESCO WORLD HERITAGE | ADOPT A PARK



GLOBAL PARKS CAMPAIGN: PROTECT 25 PARKS BY 2025

Global Conservation is the only organization focused on protecting the most important and endangered UNESCO World Heritage and National Parks in developing countries.

We are working with our conservation partners and supporters to bring Global Park Defense to 25 Global Parks by 2025.

UNESCO World Heritage and National Parks are our last bastions for saving critical rainforest ecosystems being cut down and destroyed for palm oil, logging, mining, ranching and agriculture.

In most cases, national park authorities and rangers lack the critical skills, technology and systems, communications and equipment necessary to protect their national parks from accelerating wildlife poaching and illegal logging and mining.

Global Park Defense can be implemented in 2 to 3 years and increase ranger patrol and park protection effectiveness to 80% coverage of core wildlife and critical ecosystems.

Bringing Global Park Defense increases the effectiveness of park rangers and implements critical park protection and surveillance systems needed to reverse destruction and loss and supports national governments in developing countries to become effective protectors of their UNESCO World Heritage including endangered wildlife and intact forests and ecosystems.

Global Park Defense is a scalable model and system with appropriate technology and training for each park to dramatically increase the effectiveness of rangers and park authorities to protect their world heritage.

UNESCO World Heritage and National Parks across the developing world urgently need international support combined with modern technologies and communications to achieve real, sustainable protection.



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Co-Founder, Wildeas, Veterinarian Retired Airforce Ranger and ISR Intelligence, Surveillance and Reconnaissance Global Conservation is a 501(c)3 of the United States providing fully tax deductible donations for our supporters. If you are interested in supporting our critical mission, please feel free to contact our Executive Director.

100% of donations go directly to Global Park protection. Global Conservation prides itself on our lean organization, project effectiveness, prudent use of funding, and scalability of our model.

Join us and see what is possible with direct funding using a proven model for park protection in developing countries.

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