

**GLOBAL CORAL REEF ALLIANCE  
CORAL TRIANGLE CONSERVANCY  
HAPPY NEW YEAR, 2014**

**PLEASE HELP GCRA/CTC  
COMMUNITY-BASED CORAL  
REEF FISHERIES RESTORATION  
OF AREAS DEVASTATED  
BY TYPHOON HAIYAN**

PLEASE SUPPORT CORAL ARKS TO RESTORE HAIYAN-DAMAGED  
CORAL REEFS AT THE PAYPAL BUTTON ON THE GCRA HOME PAGE

[www.globalcoral.org](http://www.globalcoral.org)      [www.ree.ph](http://www.ree.ph)

THE NEED FOR RESTORATION IS GREATER THAN EVER IN THE WAKE OF TYPHOON HAIYAN, WHICH DEVASTATED THE FEW REMAINING PHILIPPINES CORAL REEFS THAT SURVIVED SEVERE HIGH TEMPERATURE BLEACHING EARLIER THIS YEAR AND DECADES OF DESTRUCTION BY EXPLOSIVES, POISONS, SEWAGE, AND SOIL RUNOFF.

BIOROCK CORAL ARKS IN THE PHILIPPINES WERE GROWING CORALS AT RECORD RATES RIGHT AFTER THE TYPHOON! PHOTOGRAPHS TAKEN FOUR DAYS AFTER SHOWED MASSIVE BUDDING, BRANCHING, GROWTH OF NEW TIPS, AND BRIGHT HEALTHY CORAL COLORS, WHILE NATURAL REEFS WERE LARGELY DEAD OR DYING. THE CORAL TRIANGLE CONSERVANCY WORKS WITH LOCAL COMMUNITIES OF INDIGENOUS FISHERMEN ON SMALL ISLANDS IN THE CALAMIANES GROUP AND PALAWAN. CTC IS GROWING SOLAR POWERED BIOROCK REEFS IN PROTECTED AREAS, AND BROUGHT IN THE FIRST 10 TONS OF RELIEF FOOD AND SUPPLY TO REACH THIS NEGLECTED AREA TWO WEEKS AFTER THE TYPHOON.

OUR PRIMARY FOCUS IS TO RESTORE CORAL REEF FISHERIES WITH COMMUNITY-MANAGED PROTECTED AREAS TO GREATLY INCREASE FISH STOCKS AND CATCHES IN SURROUNDING WATERS. THIS WAS ACHIEVED BY GCRA IN THE KARANG LESTARI PROJECT IN PEMUTERAN, BALI, INDONESIA, AWARDED THE 2012 UN EQUATOR AWARD FOR COMMUNITY-BASED DEVELOPMENT, AND THE SPECIAL UNITED NATIONS DEVELOPMENT PROGRAMME AWARD FOR OCEANS AND COASTAL MANAGEMENT AT THE UNITED NATIONS CONFERENCE OF SUSTAINABLE DEVELOPMENT IN RIO DE JANEIRO. THIS PROVEN METHOD NEEDS URGENT APPLICATION ON A LARGE SCALE IN THE PHILIPPINES FOLLOWING THE TYPHOON HAIYAN CATASTROPHE.

WE ARE IN A RACE AGAINST TIME TO GET ALL CORAL SPECIES GROWING ON BIOROCK® CORAL ARKS, WHICH GREATLY ACCELERATE THEIR GROWTH, SURVIVAL, AND RESISTANCE TO ENVIRONMENTAL STRESSES LIKE HIGH TEMPERATURE, BEFORE THE NEXT EL NINO EVENT STRIKES, WHICH COULD BE IN 2014.

BIOROCK® CORAL ARKS ARE NOW GROWING AROUND 80% OF ALL REEF BUILDING CORAL GENERA IN THE WORLD AND AROUND HALF THE SPECIES, ON AROUND 400 PROJECTS IN INDONESIA AND ANOTHER 20 COUNTRIES AROUND THE WORLD. BUT THIS IS ONLY A FRACTION OF WHAT IS NEEDED AND IT IS URGENT TO EXPAND COVERAGE TO INCLUDE ALL CORAL SPECIES BEFORE THE NEXT MAJOR GLOBAL WARMING CAUSED MASS CORAL BLEACHING HEATSTROKE EVENT.

GCRA'S CORAL ARK PROGRAM IS DONE WITH LOCAL PARTNERS ALL OVER THE WORLD AND IS SUPPORTED ONLY BY SMALL LOCALLY-RAISED DONATIONS. THESE PROJECTS HAVE NEVER HAD FUNDING FROM GOVERNMENTS, INTERNATIONAL FUNIDNG AGENCIES, BIG INTERNATIONAL NGOS, OR BIG PRIVATE BENEFACTORS. THIS LEAVES GCRA WITH NO DISCRETIONARY FUNDS TO RESPOND TO URGENT APPEALS FOR HELP WHERE IT IS MOST NEEDED, AFTER HAIYAN.

PLEASE HELP US HELP FILIPPINO FISHING COMMUNITIES DEVASTATED BY HURRICANE HAIYAN TO RESTORE THEIR RESOURCES AND DEVELOP A SUSTAINABLE FUTURE BY GIVING THEM THE HANDS ON TRAINING AND SKILLS NEEDED. NO LARGE FUNDING AGENCY WILL SUPPORT THIS KIND OF WORK, ONLY SMALL SCALE DONATIONS CAN ALLOW IT TO HAPPEN. PLEASE DONATE AT THE GLOBAL CORAL REEF ALLIANCE PAYPAL BUTTON AT THE BOTTOM OF OUR HOME PAGE AT [www.globalcoral.org](http://www.globalcoral.org). WE CAN ONLY DO IT WITH YOUR SUPPORT!