

WORKING TO REVERSE CLIMATE CHANGE IN OUR LIFETIME



Welcome to our new readers

This newsletter will help keep you up to date with the latest projects at Climate Foundation, offer you other uplifting stories - a puppy story is at the end - and ask for your help for lots of different things (again at the end) to reverse Climate Change in OUR lifetime.

We love our planet, our oceans and all of the species that inhabit it; working together we have a real chance to demonstrate a practical solution that can be scaled around the world.

A message from the Founders

Dear Climate Foundation volunteers/supporters/humans,

I very much hope this finds you well and staying safe. I wanted to connect with all of you collectively in this time of great uncertainty around the globe.

First, let me thank all of you for the great work that you do on behalf of the Climate Foundation and our planet. It is more important than ever. The current coronavirus crisis that the world is experiencing, while very challenging, is also showing the power of collective action to take on a great challenge. That gives me hope for the future of our climate work. Hopefully, we can all learn from this fast-moving crisis and translate the lessons to the slower moving but more threatening spectre of the climate crisis.

More immediately, the coronavirus pandemic has impacted this quarter on delivering Climate Foundation programs. We are rescheduling all of our operations to accommodate constraints and restrictions needed in different parts of the globe. As this will be different in different places, we will be reviewing the path forward over the next few months for the organization and evolving roles and priorities. Rest assured that we are doing everything we can to maintain our operations while concurrently ensuring the safety of our team. We look forward to communicating with you further in future newsletters.



Meanwhile, please take all the precautions needed to ensure your safety and that of those around you.

Stay well, Brian

WHAT'S HAPPENING WHERE

Puerto Rico



Puerto Rico work team and local recruits photo by Brian Von Herzen



Thanks to the generosity of Admirals Economics II, a company that gave us the use of a catamaran, we were able to do sea trials. But first, we had to sail the catamaran from the British Virgin Islands to Puerto Rico. Once there, we moored it in a marina that was just 30 minutes from a home maintenance store. This made things SO much easier than having to ship/fly parts to a developing nation. As a result, progress was pretty darn fast. Local boaters got involved and the newly expanded Puerto Rico team completed sea trials of the

milestone 1 system which is about upwelling water from several hundred meters down and establishing temperature differences and getting water samples for nutrient analysis.

These sea trials demonstrated the upwelling system we can use to measure the biological response to deep water irrigation in the Philippines.

Do you know anyone that makes an income with a boat? We could sure use a boat or two and we can write a tax-deductible letter for people/organizations that have a tax liability in the United States, Australia or Canada.

The Philippines



Great progress is being made in the Philippines thanks to the Grantham Trust ([link here](#)) which we received in October last year. This grant is enabling the Climate Foundation to validate key results for Marine Permaculture development while gathering the important data needed to renew the seaweed industry.



The Philippine team at the worksite on the Island of Cebu

The Philippines team has been busy! They secured housing for volunteers and workers and found us a much better worksite complete with tree cover made up of fruit, coconut, mango, star fruit, breadfruit and palm trees. It has an outdoor kitchen and indoor bathrooms. We found a local cook for lunches and dinners. What more could you want?

They are getting loads of things done with us - for example; The whole team created, built and placed a deep water mooring, secured the upwelling pump and prepped everything for the seaweed/solar deployment and started upwelling! And yes, the water is cooler down there with 10 times higher nutrient levels!

In the ocean

One aspect of our program is to grow seaweed with Deep Water Irrigation and Shallow Water Irrigation. The installation of deepwater seaweed farms are very successful and have attracted fish, squid and fishermen.

Another part is to collect and grow different strains of local seaweed in order to learn the biological response in offshore farming.



Our Cottonii seaweed. Photo by Pepe Tubal



Squid eggs on our seaweed!

Because this is so successful, we are establishing seaweed farms next to urban cities; in the northern part of Cebu city. Because the fish catch is scarce, our plan is to introduce seaweed as an alternative livelihood for fishermen in order to improve their way of living. Marine permaculture will also provide essential fish habitat for certain populations to regrow the forage fisheries over the coming seasons.

Tasmania

The Intrepid Foundation joined forces with the Climate Foundation, University of Tasmania and the 2040 impact team to help regenerate kelp forests in Tasmania. Because of this collaboration, we are able to continue our race against the ticking doomsday clock of climate disruption.



Photo by Dr Tatsumi

Kelp forests used to dominate coastal environments in temperate and subpolar latitudes around the world and, much like terrestrial forests, create complex habitats that support diverse and productive food webs. Kelp forests represent the most productive ecosystem on the planet, fixing 2200-3000 tons of carbon per square km per year. But because of global warming, the oceans are heating up and the kelp is dying. University of Tasmania, Post-graduate Cayne Layton is growing warm tolerant kelp off of Tasmania. However, it is the upwelled nutrients that kelp seems to need to exist. Fortunately, we invented Marine Permaculture for that!

Master Class In Marine Permaculture



Morag Gamble of Our Permaculture Life has a fabulous YouTube interview with Brian. Learn how 93% of global warming ends up in the sea and other fascinating facts.

[YouTube interview is here](#)

An interview on Soundcloud [here](#) where Brian talks about kelp and regenerative agriculture. You'll learn heaps!

Photo by Rebecca Truman

Climate Foundation IS IN THE TOP 100!

100 & Change offers a \$100 million grant to fund a single proposal that promises real and measurable progress in solving a critical problem of our time.

The second round had 3690 registrants, who submitted 755 proposals. Of these, 475 passed an initial administrative review. To find the top 100, they were then evaluated using four criteria: impactful, evidence-based, feasible and durable.

Climate Foundation IS IN THE TOP 100! You can see the proposal [here](#).

Who doesn't love a puppy story!



A team member heard whining in a shed, and a small puppy was found tucked into a corner of the Philippine Liolan worksite. We are softies, so, she was adopted. So far her name is Musty, but some are pushing for Dusty, since she keeps getting very dirty, and others think Liolan since that's the city she was found in. What do you think?

Remo with Puppy - Photo by Brian Von Herzen

Volunteer Opportunities

A little bored during the lockdown?

Your help on any of these projects can help us make progress

This newsletter is seeking an ongoing copy editor and someone who can help put the information into stories.

Renowned scientists, professors and oceanographers are proving the science of Marine Permaculture but sometimes they just don't have the labour to follow through on a project. Would YOU be interested in helping one of them with a citizen science project?

Can YOU write a research results paper? We could use someone who can review, edit and submit a paper for our work on Coral bleaching.

Do YOU have an artistic bent? We're looking for some Facebook graphics. More information on application!



Climate Foundation was invited to be included in the Museum of Modern Design in Atlanta, Georgia, USA in an exhibition entitled, [Full Circle: Design Without End](#). It is scheduled to run from October 11, 2020 - January 24, 2021. This exhibition will explore how designers are trying to restore and/or regenerate the environment through innovative design approaches. The exhibition will look at revolutionizing systems, such as Marine Permaculture, Biomimicry and Cradle to Cradle, to better promote a healthy and symbiotic relationship between nature and humankind.

The Climate Foundation needs someone to create a model for the exhibition. The model would be due on August 25, 2020. So if you are great at creating models, this

volunteer opportunity would be a great fit. MODA will cover all of the shipping and logistics.

THANK YOU

One of the wonderful things about saving the planet is the volunteers!

Keeping the world habitable for all species is our full time, 24/7 job, and it is going to take every human on the planet to do their part.

It was another late night when our co-founder, Rebecca, opened an email and burst into grateful tears. Why? It was from a regional manager from Vipec Engineering firm based in Australia, and they were offering their services to help us save this planet. They have talents we hope to work with and we are so very grateful.

So Rebecca called Brian to tell him the good news, and it turned out that Brian had good news of his own! He had just finished an agreement with another Australian firm, Hatch Engineering, who was also volunteering to help! Hatch will help us design the 100m2 upwelling Marine Permaculture array and contribute over a quarter million dollars of engineering services this year. Once again, we are so very grateful.

AND more good news! MinterEllison, the law firm, offered to help us with legal stuff! Another huge gift! They have been helping us with permitting in Tasmania and on the Great Barrier Reef, environmental actioning with the GBRMPA, development of partnerships across Australia and securing developmental milestones. Filled with gratitude.

The more people/companies/firms that help, the faster we can get there, the fewer bad things will happen to us, our planet, and to all of the other species that share Earth with us.

Thank you for being so wonderful.

If you can, please help with a financial donation by going [HERE](#)