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Biodiversity for a Livable Climate

Restoring Ecosystems to Reverse Global Warming

November 15, 2016

Biodiversity for a Livable Climate Presents:

Restoring Oceans, Restoring Climate

Friday-Sunday, November 18-20, 2016 at Harvard University

In our past six conferences we introduced many positive and powerful climate solutions for varied lands across the world, and brought hope to the difficult global warming story we are living through.

Now we're tackling a new and challenging player: Oceans.

Covering 70% of earth's surface and currently harboring vast amounts of climate heat, the oceans raise many questions:

- What roles do oceans play in the viability of life on land?
- What roles do terrestrial habitats play in the viability of life in the oceans?
- What is the role of those extraordinarily productive "edges" where land and water meet?
- What are the ocean equivalents of regenerative management practices on land?
- What are the dynamics of ocean life?
- Finally, what are the relationships between oceans and land? How can we manage both for the good of the entire planetary system and the creatures who live here?

We'll explore both the physical power and fragility of the oceans, the mystery and revelations about life on earth that the waters hold, and some of the remarkable regenerative solutions available to help address the climate crisis.

We will step beyond our conventional assumptions to hear from forward-thinking scientists, ocean restoration experts, and fisheries professionals and activists about the remarkable possibilities of regenerated abundant oceans for a healthy and livable planet, on land and at sea.

Visit the conference page to view the program and full list of conference speakers!

Featured Event

Restoring Oceans, Restoring Climate: Fire & Ice, Food & Water, Floods & Droughts

We'll explore how oceans work as systems, extremely complex and interrelated processes where the whole is far greater than the sum of its parts.

When: November 18-20, 2016

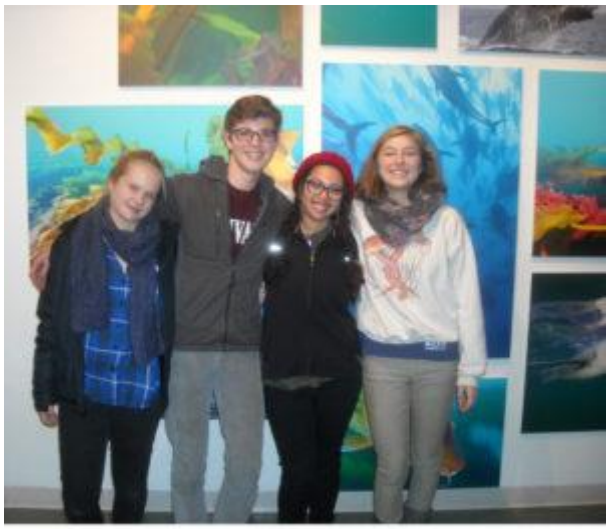
Where: Geological Lecture Hall, Harvard University, Cambridge, Massachusetts

Tickets:
Regular, $150;
Student/Low-income, $20

For more information visit the conference page and register now!

Volunteer and scholarship opportunities available- please contact info@bio4climate.org

Meet The Homeschool Symbiosis Team



Hayden Lynus Jamila Annie

Homeschool Symbiosis Team - 2016

This energetic group of four "environmental enthusiasts" will be presenting at our upcoming Oceans conference about the importance of biodiversity in the oceans, impacts from climate change and overfishing, and their vision of a biodiverse aquatic future. We caught up with Jamila dePeiza-Kern and Annie Selle to learn more about The Symbiosis Team!

Bio4Climate: Hi Annie and Jamila! Who is on the Team and how did you guys come up with that awesome name?

Annie & Jamila: It's the two of us, plus Hayden (Latimer-Ireland) and Lynus (Erickson). The name actually developed very organically. The first conference we spoke at was about keystone species and ecosystems working together and really focused on symbiosis as a concept. And the four of us were all working together; we work together as a team really well. So the name fit!

Bio4Climate: Broadly speaking, what type of topics is the Team currently focused on?

Annie & Jamila: We focus on topics ranging from ocean acidification, rising sea levels, and how overfishing and factory farming affect the ocean, to Halley's Comet. Halley will be visible again in mid-2061 and we've made a promise to watch it together!

For up-to-date info on our events

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About Bio4Climate

Through education, policy and outreach, our mission is to promote the power of the natural world to stabilize the climate and to restore biodiversity to ecosystems worldwide. Collaborating with organizations around the globe, we advocate for the restoration of soil, and of grassland, forest, wetland, coastal and ocean ecosystems-along with the associated carbon, water and nutrient cycles - to draw down excess atmospheric greenhouse gases, cool the biosphere, and reverse global warming, for the benefit of all people and all life on earth.

Learn more about our ongoing projects, upcoming events and find additional information and resources at bio4climate.org.

Bio4Climate: That's a wonderful plan. You gave an incredibly insightful presentation, "Restoring the Gulf of Maine," at the April 2016 conference. Can you tell us what your presentation for Oceans 2016 will be about?

Annie & Jamila: We'll be talking about all of the topics just mentioned, along with our vision for the future: more biodiversity! We envision a future where people respect all life forms on earth and work more closely together with nature. All of our topics revolve around the oceans and climate change.

Bio4Climate: Who currently inspires you in the scientific field?

Annie & Jamila: We LOVE (American astrophysicist) Neil deGrasse Tyson and his show Cosmos. We watched the entire series as a team last year. We also have read the work of Rachel Carson and she really inspires us as one of the early leaders of the modern field.

Jamila: The work that NOVIC--Northern Organic Vegetable Improvement Collaborative--is doing really inspiring work with seagrass restoration. They're working on a lot of individual and collaborative projects with estuary restoration.

Annie & Jamila: And our wonderful teacher, Jim (Laurie), is very supportive and has really encouraged us. He tells us that we can make a real difference.

Bio4Climate: How do you think adults can help get young people excited about science?

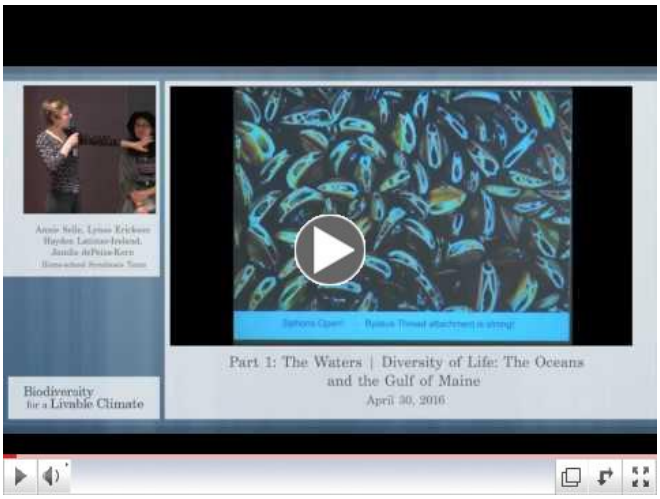
Annie & Jamila: It's really important to talk about the practical implications of science and how you can use it in the world to make a positive impact. Individual and group projects [should be] applicable to making actual change and/or individual strides.

Jamila: Last year, when I joined the Team, I was nervous because I hadn't taken Biology yet, but just knowing that we were going to use this information to help educate others made a big difference. Passive education can be kind of boring but if you can use your knowledge to pass on information to the next person, that's exciting. That could be a different approach than just lecturing. It's a great feeling knowing that you're sharing knowledge. That's also

what is so great about this conference--that everyone is involved and interacting and really engaged.

Bio4Climate: Thank you so much for speaking with us, Annie and Jamila! We can't wait to hear your presentation on the many wonders of the oceans!

Check out the Team's presentation at our April 2016 Conference:



Restoring the Gulf of Maine

The Symbiosis Team will be presenting at Oceans 2016. Check out the full program here!

Giant Coral Reef in Protected Area Rebounds


A healthy clam in the Phoenix Islands Protected Area. PC: Craig Cook of Undersea Medical

Coral reefs in Kiribati, previously declared dead by researchers in 2003, now show remarkable recovery. One of the scientists involved in the recent Massachusetts-based

research exploration of the reefs, Randi Rotjan, will be speaking at our Oceans conference!

How Whales Change Climate: A Short Film Narrated by George Monbiot

A heartwarming example of interspecies cooperation and communication between humans and a young whale. Whales are a keystone species in the oceans. If we manage to make seas safe for whales they will help make the planet safe for us!

At our Oceans conference we will hear conservation biologist, Joe Roman, tell us more about whales as ecosystem engineers.