

2017/11/5

"The Fantastic Life in the Oceans" by Delia Lake

5th Nov (Sun) at 7 am PST/ 15:00 GMT/ 24:00 Japan

at Abyss Observatory- Coastal Habitats (Coral reef, Kelp forest and Cold reef)

Abstract

While 72% of the Earth's surface is covered by water, we spend most of our time on the land 28%. Undersea, though, we can find many wondrous ecosystems. At the Abyss Observatory we have created three distinct simulated ocean habitats: tropical, temperate, and sub-arctic. Each has unique features and beauties.

Participants

Aaron Wexhome (seaturtle008), Dae Miami, Dirlandaa (Dirlandaa Pfeffer), Fosdick (ElectronicDetectiveSubstitute), Fumon Crystal, Hades Nostram, HAVEN DITKO (Haven Ditko), Khar (Kharissa Indigo), れいちえる (Ley Tachikawa), Mike Shaw (Shawza Tunwarm), noj Twig, PUNKIN, Stefano (Stephanos Kowalski), sumantaray123, SurferBob (GeologyBob), Tagline, WANDERFULANNY, The Wandering Elf (ViandanteDuePuntoZero), Wisdomseeker (Lissena), Wol (Wolwaner Jervil),

Organizers

Chantal Jager (Nymf Hathaway), Jawesome (Jes Cobalt), Yan Lauria

[06:33] Yan: There are so many textures around this area, so please set drawing distance less than 256m

[06:34] Chantal: Delia, do you want SC to film your presentation?

[06:36] Yan: Presenter uses Voice chat and text chat. Please check.

[06:37] Chantal: I think the biggest issue is chat range

[06:38] Chantal: people need to be in 19 meters of each other

[06:39] Chantal: Take your time

[06:48] Yan: Residents of Mainland don't consider texture resolution control.

[06:50] Chantal: I get notifications from sc land.. people go to epi

[06:50] Jes: of course they do

[06:50] Chantal: will tp them here

[06:50] Jes: Ok, was gonna offer to go over and direct them here

[06:53] Chantal: some people do have voice issues, Delia, just so you know

[06:54] Chantal: Delia, Hades is the film guy

[06:54] Jes: hi filmerrr

[06:54] Delia: Thanks, Chantal. That's one reason I try to use both chat and voice. Regarding the 19m chat restriction, remember people can always shout :)

[06:54] Chantal: yes ☺

[06:55] Yan: Voice range is wider than text chat.

[06:56] Chantal: yes but some people have voice issues since the last update, Yan

[07:00] Yan: So time to start

[07:01] Yan: Before Delia's presentation, I'll talk about background.



[07:01] Yan: Abyss Observatory started 7 years ago, (in 2010), at one of NOAA's sims. Second Earth 3, SE3).

[07:01] Chantal: Great accomplishment, Yan!

[07:01] Yan: Delia is famous person in SL for "Center for Water Studies", very beautiful nature place,

[07:01] Yan: but she is also one of initial member of Abyss,

[07:02] Yan: and she built first coral reef of Abyss 7 years ago.

[07:02] Yan: 2 years ago, (in 2015), Abyss moved from SE3 to here, Farwell and other places (by financial reason).

[07:02] Yan: Almost exhibits could moved, but we couldn't move coral reef and seaweed forest.

[07:02] Yan: On the other hand, "Center for Water Studies" was closed last year,

[07:02] Fumon: ((Starting Point))

[07:03] Yan: so I asked her to build again at this place.

[07:03] Haven: Thank you Yan and good morning all

[07:04] Mike: :)

[07:03] Delia: Good morning, Everyone! My Name is Delia.

[07:03] Delia: In RL, as Linda Morris Kelley, my work is in consulting about sustainability.

[07:04] Delia: In SL, I am a habitat curator here at the Abyss Observatory.

[07:04] Delia: We are delighted you came to visit the Abyss.

[07:05] Delia: There are many ocean related exhibits here, from the life that inhabit Earth's seas to

the technologies people have developed to study that life.

[07:05] Delia: There is much to see so we encourage you to return here again, and again.

[07:05] Delia: Today, we will explore 3 undersea habitats:

[07:05] Delia: Tropical, with an undersea coral reef; Temperate, with a kelp forest; and Subarctic, with a deep-sea coral reef, and their respective coasts.

[07:06] Delia: These 3 habitats are designed to be representative of their type rather than a replication of any specific location.

[07:07] Delia: So in each habitat you will find flora and fauna that live in that type of area but may not actually live together in a specific RL location.

[07:07] Delia: Each habitat has both prey and predator species, as is so in all healthy ecosystems.

[07:08] Jes: :(

[07:08] Delia: Rather than a presentation this morning, we are going on a tour.

[07:08] Delia: We will start in the Tropical area.

[07:08] Chantal: YAY 😊



[07:09] Delia: Notice the coast is covered densely with mangroves.

[07:11] Delia: We'll wait for people to come down here on the boardwalk

[07:12] Chantal: Entirely different in the Netherlands

[07:12] Aaron: no mangroves where I am near coast

[07:12] Aaron: NE US Here too

[07:12] Wol: /me has no coastal area in Austria (except for some lakes)

[07:13] Khar: the ocean doesn't reach Chicago

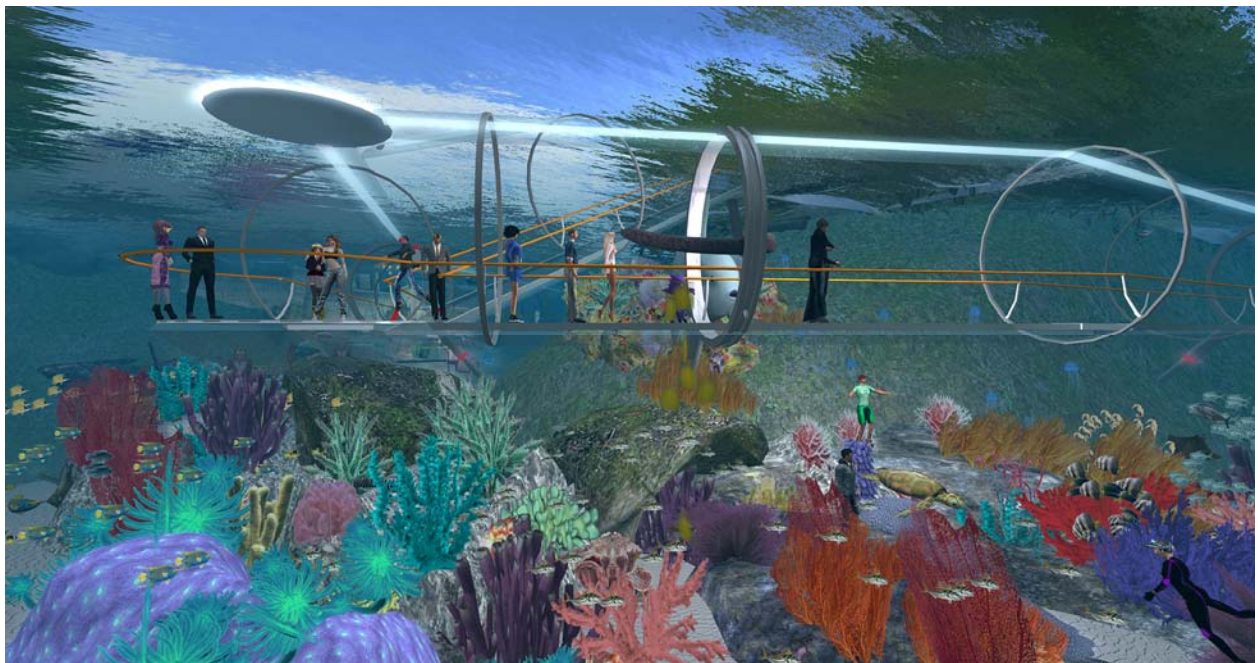
[07:13] Dae: we have mangroves in Florida

[07:14] Delia: There are about 300 species of mangroves.

[07:14] Fumon: Okinawa in Japan too

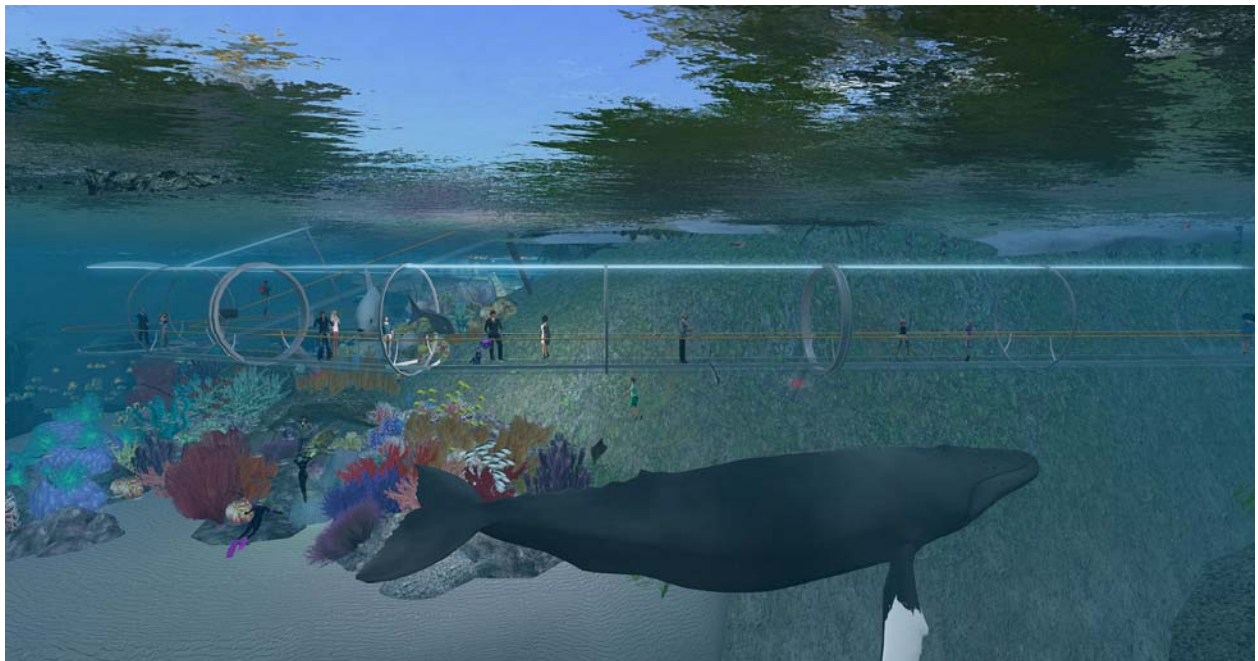
[07:14] Khar: seaweed

[07:14] Yan: cram
[07:14] Aaron: I have this species on my sim ;P
[07:14] Delia: Mangroves form barriers against storm surges moving inland.
[07:14] Chantal: ☺ Aaron
[07:14] Aaron: mangroves that is
[07:15] Aaron: nice pet
[07:15] Jes: hehehehe
[07:15] Delia: In RL you couldn't pet a crocodile!
[07:15] Delia: Mangroves are also home to a richly diverse set of tropical shore species.
[07:15] Delia: So are coral reefs, and kelp forests.
[07:16] Delia: You could say they are the cradles of sea life.
[07:16] Delia: And they are all under stress.
[07:16] Aaron: Coral reefs are bleaching :(
[07:16] Delia: From climate warming, from ocean acidification, and from pollution.
[07:17] Dae: yes just read the book 6th extinction
[07:18] Delia: Here and throughout your tour, we invite you to pause, look around and see how many different species of plants and animals you see.
[07:18] Delia: You may walk along the boardwalk if you wish.
[07:18] Delia: I suggest you either descent undersea via the walking tube,
[07:19] Delia: or brave the water and join me in swimming through the ecosystems.



[07:19] Chantal: ☺
[07:19] Aaron: crock ripped my pants
[07:19] Khar: lol
[07:19] SurferBob: Hey Chantal
[07:19] Delia: One of the real beauties of SL is that it is immersive and experiential.

[07:19] Wisdom: oh no!
[07:19] Chantal: You cuddled him? Aaron
[07:19] Aaron: mmmhmm
[07:20] Delia: While a virtual experience is not as complete as RL (no smells for instance),
[07:20] Delia: it is nevertheless an experience, evocative, and with emotional effects.
[07:20] Delia: Experience touches us and connects us, to each other and to our surroundings.
[07:20] Chantal: Yes, Abyss is famous for "cool" 😊
[07:21] Chantal: woot Mike
[07:21] Mike: I can hold my breath here for a loooong time
[07:21] Dae: nice job Yan
[07:21] Yan: thanks Dae
[07:21] Delia: These visceral connections are something we cannot get from online searches and reading information, important as those are.
[07:21] Dae: so hard to get the water to look right
[07:22] sumantaray123: nice virtualization
[07:22] SurferBob: Dae whats up cool place
[07:22] Wisdom: amazing jellyfish
[07:23] sumantaray123: that is tiger shark
[07:23] Chantal: Taking colourful photos 😊
[07:23] Jes: ❤️
[07:24] Wisdom: so the parts of the reefs turning white are in trouble?
[07:24] Fosdick: Fun place
[07:24] SurferBob: I was once attack by a tiger shark in Hawaii no joke
[07:24] sumantaray123: we should investigate about the type of deposition in the reefs



[07:25] Aaron: humpback

[07:25] Dae: There has been a lot of math and computer modeling of predator-prey models

[07:25] sumantaray123: White color of reef can be due to calcium deposition

[07:25] Delia: humpbacks have a migration range of thousands of miles from tropical to arctic

[07:26] Delia: levels of prey/predator

[07:26] Dae: For example a coupled prey predator prey model differential equation yields a sine cosine relationship in which the predator-prey booms and busts are just offset

[07:28] sumantaray123: I think it depends upon the availability of food in the region. if there is constant food supply we can see an exponential curve

[07:28] SurferBob: Chantal, this is awesome the work must have been a lot I hope they keep this sim going

[07:28] Tagline: raw sewage would do the same I should think

[07:29] Chantal: ☺ Yan and Delia are responsible for the creation, Bob :)

[07:29] sumantaray123: The log phase of curve will represent the number of available food vs population of predators

[07:29] SurferBob: I think I am going to put on Scuba gear

[07:29] Delia: The raw sewage off Rio in Brazil polluted the water so bad that Olympic swimmers were endangered

[07:30] Tagline: How does run off of agricultural chemicals such as round up effect these ecosystems?

[07:31] sumantaray123: They are generally non biodegradable in nature and can enter in the sea food web system

[07:31] Chantal: Plastic soup :(

[07:32] sumantaray123: no. Plastic are generally accumulated but chemicals are going in through food chain

[07:32] Delia: If you are swimming, you can follow me. if walking, follow down the walking tube to the kelp forest.



[07:34] Chantal: ♥

[07:34] Chantal: oh Jes, delightful av change

[07:34] Mike: :)

[07:34] Jes: any excuse for this av!

[07:34] Chantal: you fit right in ☺

[07:34] Delia: The "nursery" here looks very different than the coral reef. the eel grasses that populate temperate coastal areas are those nurseries too. and trawling wipes out the grasses

[07:35] sumantaray123: if any doubts can ask me

[07:35] Chantal: ☺

[07:35] Aaron: hahaha jessharky

[07:35] Jes: Jawesome!

[07:36] Aaron: she only eats vegemite

[07:36] Jes: true

[07:36] SurferBob: just kelp diving

[07:37] Tagline: beautiful

[07:37] Mike: Yes, very impressive!

[07:38] Aaron: yucky

[07:38] Delia: sardines are a keystone species, and there is evidence that sardine populations around the world are crashing

[07:39] Delia: Law of the Sea is a very important cooperative agreement for maintaining sea ecosystems and species

[07:39] Aaron: like crabbing cant take pregnant ones or you get in biiiiiiig trouble here

[07:39] Chantal: I am with you, Delia!

[07:39] Dae: is that due to Trump?

[07:40] Chantal: Excellent, Aaron

[07:40] Delia: the US is NOT a signator!

[07:40] Tagline: There were recent reports that cod & haddock may disappear from the west coast of Scotland

[07:40] Elf: sorry.. some problem on RL... I'm back..

[07:40] Chantal: welcome back Elf

[07:40] Aaron: becaue fish n chps

[07:41] Aaron: north atlantic ridge

[07:42] Tagline: we are putting lots of reliance on generally poor leadership & stewardship in government

[07:43] Aaron: bluefishes fun to fish tehly fight but vey oily eating

[07:43] Wisdom: and the bones!

[07:43] Tagline: good point

[07:44] Tagline: people also regard the seas as a relatively infinite reservoir, traditionally

[07:44] Wisdom: whenever I see those plastic bag eddies.....

[07:44] Chantal: :(Wisdom
[07:44] sumantaray123: I have done research work on it
[07:44] Aaron: I taste like goldfish
[07:45] Khar: we look tasty
[07:45] sumantaray123: Let me tell you I have microbe for it
[07:45] sumantaray123: but i need funding to prove my point
[07:45] Wisdom: research on what?
[07:45] Tagline: Do plastics act as hormone disruptors for populations of fish?
[07:46] Chantal: Network, Sumantaray! you will cross roads with people with an interest
[07:46] Elf: some microplastic do it...



[07:50] Delia: Until recently people believed coral reefs were only tropical
[07:51] Yan: We are moving to Cold Reef
[07:52] Delia: The deep sea corals that we have found do not have the same algae that give the tropical corals their bright colors
[07:53] Chantal: Thank you, Delia
[07:54] Delia: The crabs here in the cold water are different than the tropical and temperate areas
[07:54] Chantal: How knowledge about the oceans increased since Darwin, love it
[07:55] Delia: Cold water areas are full of plankton
[07:56] Dae: So for the ahermatypic or cold water corals how do they live if they do not have symbiotic algae?
[07:57] Delia: Cold water is rich in plankton. Plankton is the mainstay of the huge whales like the humpback and right whale, baleen whales
[07:59] Aaron: Antarctic
[08:02] Chantal: Applauds your work, presentation and tour! Amazing

[08:02] Jes: What a cool tour Delia! Thanks so much! ☺

[08:02] Delia: My pleasure! :)

[08:03] Wisdom: Thank you!

[08:03] Dae: Delia great tour! Thank you

[08:03] Chantal: ♥ Passion makes all the difference

[08:03] Khar: This was a fabulous way to spend my morning Thank you

[08:03] noj Twig: THANK YOU DELIA

[08:03] Fosdick: Thank you, great!

[08:03] Mike: Thanks much for your time!!!

[08:03] Jes: Great work here :)))

[08:03] Elf: Many thanks, Delia..

[08:04] Delia: I want to thank Yan, and also Veritas for maintaining this Sim! None of this would be here without them!

[08:04] Tagline: That was a very interesting presentation! Thank you, Delia!

[08:04] Chantal: and yes! SC is interested in a follow up ☺

[08:04] Stefano: This is one of the few places that everyone in SL should know about

[08:04] Yan: Delia, your passion is endless!

[08:04] Wisdom: Delia and Yan -- you contribute so much to SL

[08:04] Jes: True, Yan is awesome! ☺ Thank you Yan

[08:04] Dae: I am heading out nice to see all of you again

[08:04] Wisdom: bye all

[08:04] Chantal: Enjoy the Sunday, Dae ☺

[08:05] Yan: Veritas Raymaker provides this place.

[08:05] Delia: This place is an excellent example of international cooperation!

[08:05] Jes: I agree ☺

[08:05] Chantal: YAY for that!

[08:05] Delia: and has been from its beginning

[08:05] Yan: Japan-Singapore-USA

[08:06] Tagline: and a way to disseminate awareness

[08:06] Chantal: I will let you know when the film is online, Delia

[08:06] Tagline: absolutely! I appreciate what you are doing here

[08:07] Chantal: Yan... is there a TP option to this place on sc land?

[08:07] Fumon: Education portal yes

[08:08] Chantal: ok... edu portal is huge though, might be missed

[08:08] Yan: Aha

[08:08] Chantal: will think about promoting

[08:08] Fumon: ♥

[08:08] Delia: Thank you Chantal

[08:09] Chantal: No need, its great work Delia, deserves attention

[08:09] Yan: Abyss has many exhibits from deepsea to 4000m sky

[08:10] Delia: Yes! [this tour is only a small taste of what is here](#)

[08:10] Yan: Only Abyss news notice new exhibits but not effective.

[08:11] Chantal: I am aware, Yan... bringing attention to sl creations is still... hard, we have to find a solution for it...maybe by the website?

[08:11] Chantal: picture and landmark...short explanation

[08:12] Yan: Information transfer in SL depend on human to human

[08:12] Aaron: huggies everyone thank you Delia its was very awesome will come back others times

[08:12] Chantal: I do think field trips work better though... it informs and attracts more

[08:13] Yan: I like field trip very much ^^

[08:13] Chantal: 😊 we noticed

[08:13] Jes: me tooo

[08:13] Mike: I agree... the field trips allow for a lot of interaction with the environment. I had no Voice, but was able to enjoy!

[08:13] Chantal: You rock with field trips, Yan 😊

[08:13] Chantal: Glad to hear that, Mike 😊

[08:13] Mike: Yes!

[08:14] Stefano: I try to post about these things on groups on Facebook, but SL got a bad reputation lately, people think it is over

[08:14] Chantal: LL doesn't work on its image, Stefano :(

[08:14] Dirlandaa: what is over?

[08:14] Chantal: I agree

[08:15] Mike: Thanks for the fun morning... Am going to try to work on the voice issue a bit more before we go to Dim Sum for lunch (yay!).

[08:15] Chantal: <https://arstechnica.com/gaming/2017/10/returning-to-second-life/>

[08:16] Chantal: check the url, Stefano, great article about sl

[08:16] Delia: [just opened it. thank you, Chantal](#)

[08:16] Chantal: 😊

[08:17] Delia: [Thanks again for coming. I hope to see you here again soon](#)

[08:18] Stefano: yes, I read it

[08:18] Chantal: I will return to my sl home and start dinner rl 😊 Thank you, Delia! Great tour and presentation, hope we can enjoy your work a second time!

[08:19] Delia: [Thank you, Chantal. and thanks for the work you do!](#)

[08:19] Chantal: With love 😊

[08:20] Yan: Then I'll go to bed. Thank you Delia. I'll have tour of this place for Japanese people soon.

[08:20] Delia: [Thanks, Yan. you are a SL treasure! See you soon.](#)

[08:21] Yan: You too!

[08:21] Yan: see you ^^)/~