



MARCH 25, 2023

SEA DELIGHT LEADS RESEARCH AND DEVELOPMENT OF NEW FISHING LIGHT SYSTEM

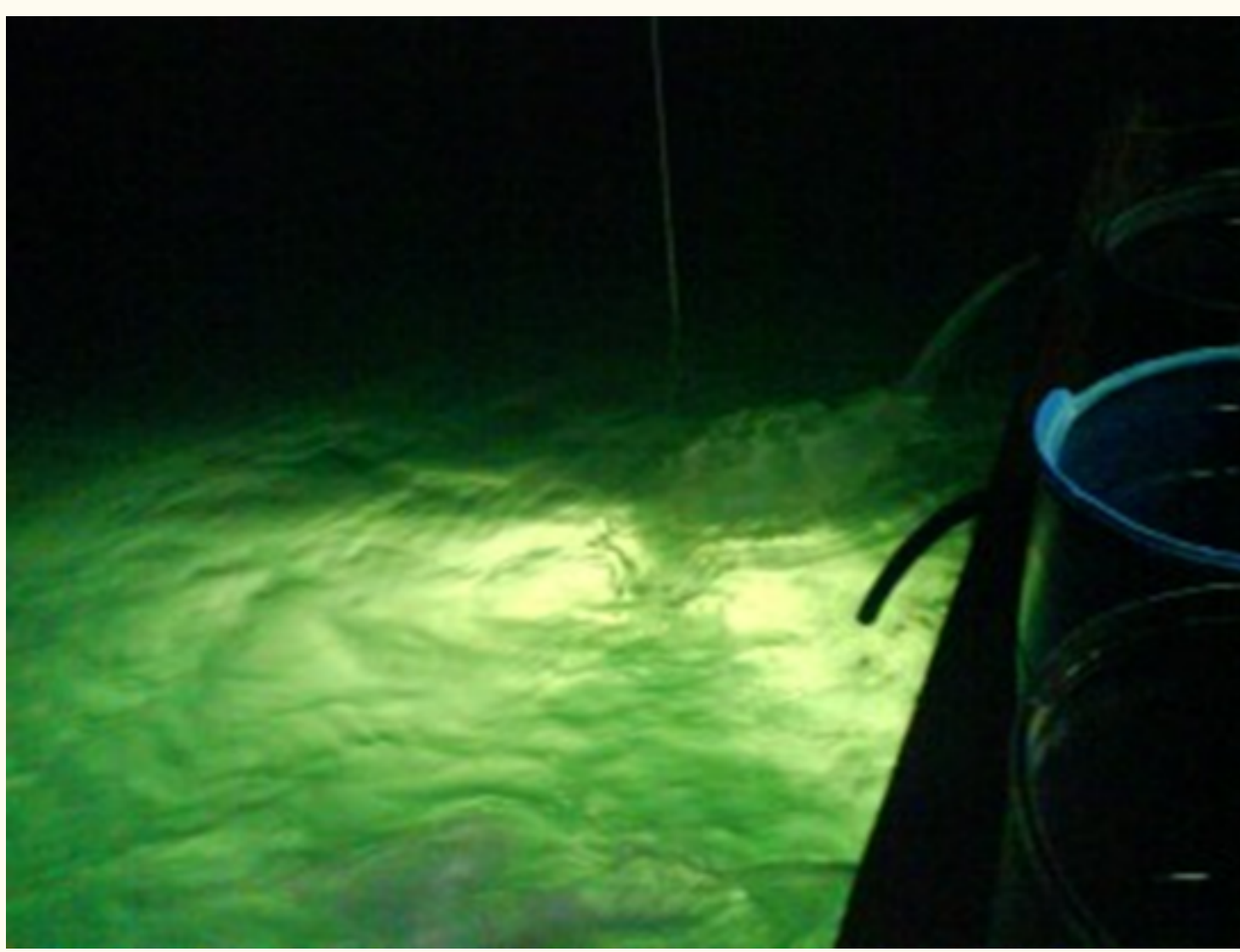
Jan. 18, 2023

Since September 2022, Sea Delight has been working with a European inventor and fishing technology engineer to test new fish attracting light technology in the Vietnam Handline Tuna and Swordfish Fishery.

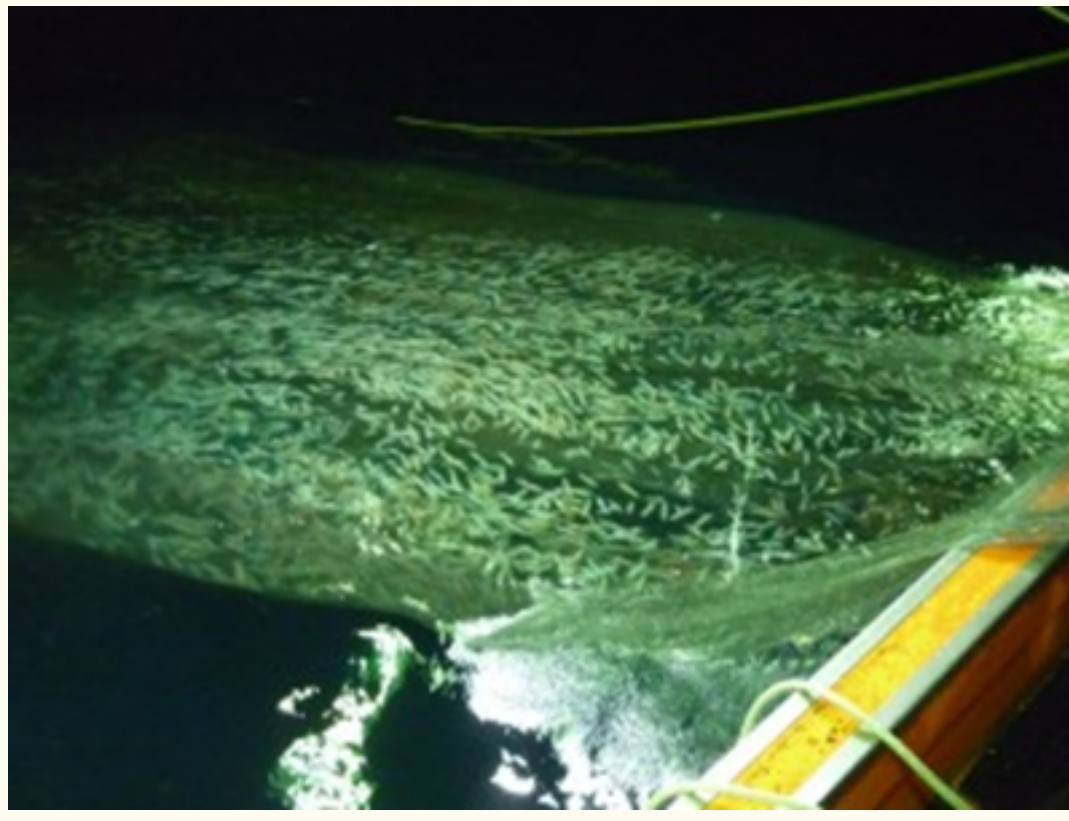
The new technology allows fishers to vary the location and intensity of the fish attracting light(s). We believe this technology will not only catch more target species fish but also provide significant ecosystem impact benefits. Conventional fishing lights consume large amounts of electricity and are run on the vessel's fuel-powered electrical system. The new light consumes a much smaller amount of electricity, **thus reducing the carbon footprint of any vessel using it.**

There is also evidence that the new lighting system will attract less unwanted bycatch because of the ability of fishers to control the depth penetration and intensity of the attractant lighting in the sea.

One Handline vessel has agreed to participate in trials testing and the first fishing trip is scheduled for November 2022. See the photos below:



Light being tested for squid and scad mackerel



Squid in small purse seine net



Planning meeting with Sea Delight, VINATUNA, handline vessel captains and the technology inventor



Light onboard fishing vessel, Nha Trang

Update Jan. 18, 2023

The trial fishing trip has been completed with the vessel reporting a catch of 27 yellowfin tuna, a fairly good catch considering the timing of the trip and weather conditions. The captain reported that the lighting system was easy to use, even in rough conditions but expressed a desire for a stronger light.

In February the technician will return to Vietnam and review the light operation with this vessel captain. We will then arrange trials in Binh Dinh province with other COPPA captains. The goal is to conduct short sea trials with the technician to maximize operation of the fish attracting light system.

Update March 25, 2023

In early April, Sea Delight and the inventor will travel to the largest landing port for handline caught tuna and swordfish in Vietnam, Tam Quan Bac, Binh Dinh. There we will allow fishers to test the light again and observe a new locally-designed solar powered LED fish attracting light, as well as test the underwater light. The trials will result in a recommendation for more efficient light that is expected to reduce fuel consumption and Greenhouse Gas emissions by nearly 50% per vessel trip. The use of the underwater light is expected to help control the interactions with unwanted bycatch species as well.

END SRF230325SD



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