

PACIFICTECH, INC. - CATANDUANES STATE UNIVERSITY, PHILIPPINES & IUCN-CEC

PROF. DR. JIMMY MASAGCA

Thank you very much Mr Moderator. Distinguished panelists Delegates.

I am representing my NGO, Pacifictech, Inc.; my university, Catanduanes State University and the IUCN-CEC for SE Asia.

During the Covid-19 pandemic, in November 1, 2020, the super typhoon Rolly (Goni) with 325 km per hour winds damaged/alterd many natural systems particularly the mangroves and beach forest vegetation. These coastal marine systems are important the food systems, well-being and protection of the local people of the island as well as the whole Philippines.

Innovations and Technologies for SDGs 1,2 and 16

We would like to underline STI collaborative works on impacts of typhoons/tropical cyclones

Small islands STI focus on involved on online or Tele-training on Crab Aquaculture, and tele-trading mangrove crabs and tele- management of mangrove rehabilitation

STI underline Synthetic biology for improved crab seeds or crablets for aquaculture;

We underline collaborative aquatic Food systems research projects in the university

How to quickly scale-up

- We focus use “home grown” innovative technology and adapt emerging technology to local conditions of the islands for the local needs
- We emphasize programs to strengthen the nexus between SDGs (Water-Food-Energy) through the biennial Philippine National Biodiversity Meeting or BIOME (now on its 7th series this year, 2021 October in Catanduanes island)
- **We emphasize** Local legislation in the mangrove crab fisheries and industry through the ordinances in the islands
- Raising awareness of local people, the children, youth women, girls and fisherfolks on mangrove crabs through university funded programs on citizen science through the program Sustainable **Resources in Mangroves for Biodiversity Conservation SURMABIOCON (Crab Festival, Abaca Festival and Aquatic Food Festival)**