

## Project Update: August 2020

The following project was the execution of fieldwork in the "Santuario Nacional Los Manglares de Tumbes" in Peru, where the following objectives were achieved:

- a) The preferences and motivations of stakeholders that manage those resources and influence on human wellbeing.
- b) Participatory identification of the mangrove ecosystem services.
- c) Social networks and relationships among the stakeholders.
- d) Socio-environmental training for students.

### Activities to date:

The following activities were undertaken: **(a)** *the preferences and motivations of stakeholders that manage those resources and influence on human wellbeing and (b) social networks and relationships among the stakeholders*

The objective of this action was to identify through family interviews the preferences and motivations of the social actors who manage the mangrove provision services, regarding their socio-economic dynamics and their environmental perceptions. For this, tools such as key informants were used to know the history of the community and interviews carried out in the El Bendito and Puerto 25 communities of the sanctuary (*Photo 1*). In the same way, the necessary coordination was carried out to carry out the participatory mapping with the entire El Bendito community, where we previously identified community members willing and committed to participating in this project. On the same way, key actors were interviewed, such as the park rangers of SERNANP, the institution that manages the protected area. In this phase, we carry out fieldwork to identify the socioeconomic activities carried out in the community (*Photo 2 and 3*)



**Photo 1:** Interviews with artisanal fishermen and women. Puerto 25 Community, Tumbes, Peru. 2020. © Indira Eyzaguirre.



**Photo 2:** Identification of socio-economic activities. Artisanal crabber. El Bendito Community, Tumbes, Perú. 2020. © Indira Eyzaguirre.



**Photo 3:** Identification of socio-economic activities. Artisanal black shell fisherman. El Bendito Community, Tumbes, Perú. 2020. © Indira Eyzaguirre.

a) Participatory identification of the mangrove ecosystem services

The objective of the participatory mapping was to identify the ecosystem services, where we work with women (*Photo 4*) on climate change issues and their role in the community and with artisanal crabbers and black shells separately (*Photo 5 and 6*). Also, a timeline to identify the most relevant events throughout the creation of the Sanctuary (*Photo 7*).



**Photo 4:** Women in participatory mapping. El Bendito Community, Tumbes, Perú. 2020. © Indira Eyzaguirre.



**Photo 5:** Participatory mapping with crab and black shell fishermen. El Bendito Community, Tumbes, Perú. 2020. © Indira Eyzaguirre.



**Photo 6:** Participatory mapping with crab and black shell fishermen. El Bendito Community, Tumbes, Perú. 2020. © Indira Eyzaguirre.



**Photo 7:** Timeline together with the community. El Bendito Community, Tumbes, Perú. 2020. © Indira Eyzaguirre.

b) Socio-environmental training for students.

One of the devolution activities of the project was the holding of three academic events to the student community on socio-environmental and socio-ecological issues. These activities were as part of the scientific dissemination of the project (*Photo 8 and 9*), where the materials produced as part of the project were delivered to the actors involved (*Photo 10*). On the same way, were delivered certificates of recognition for the logistical support and the 70 participants of these workshops.



**Photo 8:** Workshop on socio-environmental issues presented to the student community around the Sanctuary. Tumbes, Perú. 2020. © Indira Eyzaguirre.



**Photo 9:** Workshop on socio-environmental issues presented to the student community around the Sanctuary. Tumbes, Perú. 2020. © Indira Eyzaguirre.



**Photo 10:** Material produced to deliver the results. Tumbes, Perú. 2020. © Indira Eyzaguirre.