

Project Update: December 2025

In the Work Package 1 (WP1), we have faced some unforeseen events. After we sent the samples for the next laboratory work in France, the samples needed to wait until their procedure. Currently, 21 out of 29 samples are being processed at Microbes NG. For the remaining samples, we would need to recover them and re-send them in the first trimester of 2026.

Despite this issue, we developed the Work Package 2 (WP2). We presented our results at Caleta Tumbes and Algarrobo communities. In Algarrobo, we also succeeded in presenting this information to the Municipality.

On August 4th 2025, we carried out the first One Health campaign at the Public School "Península de Tumbes F-495" with twelve Environment Committee elementary students.

Fig. 1. Starting with the awareness talk about Pelican conservation using antimicrobial resistance.

We started guiding the students together with their teacher to develop many signs to protect the Peruvian pelican.

Fig. 2. Elaborating the sign for protecting the Peruvian pelican using antimicrobial resistance. The students draw the seabird and wrote a message for their community (on the left: "Save the Pelicans", in Spanish "Salva a los pelícanos"; on the right: "Do not throw more litter", in Spanish "No botar + basura").

Fig. 3. Students showing us their One Health signs (on the left: "Take charge of your litter", in Spanish "Hazte cargo de tu basura"; on the right: "Do not throw medicines to the ocean", in Spanish: "No botar remedios al mar").

On August 18th 2025, we carried out the second One Health campaign at "Carlos Alessandri" School in Algarrobo for the Environmental Committee elementary and high-school students with thirty-three students. We also presented our results to Algarrobo Municipality on July 8th 2025 on virtual mode.

Fig. 4. Delivering the One Health talk to introduce the Peruvian pelican and the threats faced in this community.

Fig. 5. Creating and presenting their final products.

The campaign also consisted in creating a comic about the threats that Peruvian pelicans and other seabirds faced in the Humboldt marine-coastal ecosystem with the two main characters: the Peruvian pelican ("Don Pelicano") and the Kelp gull ("Doña Gaviota").



Fig. 6. An Algarrobo student showing “Don Pelicano” sticker and the team delivering the comics and stickers to the teacher at Caleta Tumbes.

Fig. 7. An asynchrony activity that the school at Algarrobo had to create more protecting signals and finishing coloring the comic.

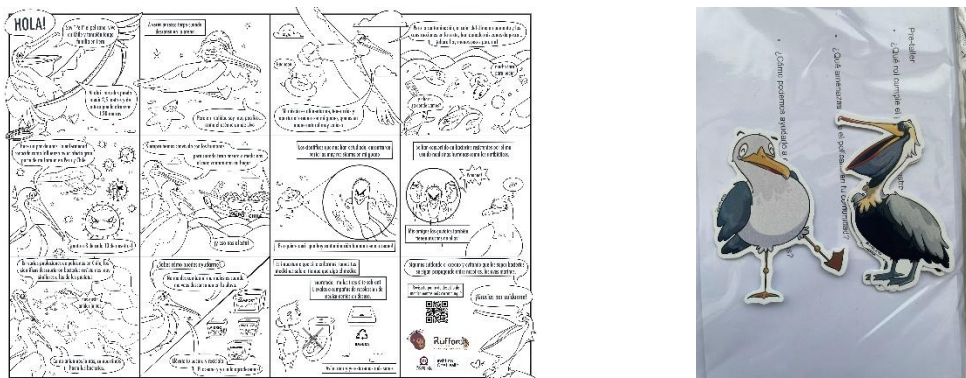


Fig. 8. The comic, the stickers and the surveys delivered during the One Health campaigns.

At the bottom of the comic, we put a QR code attached to a document informing unused medicine recycle points in their communities as well as instructions about how they can recycle out of date and unused medicines in their households. We delivered this comic to the students of the Environmental committee and also to other students of the school. The document can be accessed here:

[https://drive.google.com/file/d/1EdXMmayBaJ_3RXBS1Fg2BiWPQ4K-x-
/view?usp=drive_link](https://drive.google.com/file/d/1EdXMmayBaJ_3RXBS1Fg2BiWPQ4K-x-/view?usp=drive_link)

With these activities we communicate our WP2 advance. We are still missing more One Health campaigns. We expect to develop up to three more at Coquimbo and Valdivia communities in the 2026 first trimester.

We are truly thankful to Rufford Small Grants for your support in this project. Particularly, the WP2 has been a delightful part as 75% students were not aware about the Peruvian pelican threats nor how to identify this vulnerable species. Due to these campaigns and the surveys, this number reduced to 15%.