

Project Update: December 2022

From June to October 2022, we deployed camera traps at 103 stations throughout the entire distribution range of the Togean babirusa. We detected babirusas at approximately 70% of our survey sites in all land covers we surveyed. However, using occupancy modeling, we found that the babirusa's occupancy was affected by land cover type and distance to a large forest patch. The babirusa had the highest occupancy probability in pioneer forest, followed by old growth forest, mangrove, and agriculture. Also, the closer a site to a large forest patch, the babirusa occupancy tended to be higher. Figure 1 below shows the predicted distribution map of the Togean babirusa we generated using occupancy modeling and GIS. We emphasise that this is the result of preliminary analysis and is subject to revision. Besides the babirusa, we also identified 25 other wildlife species on the islands, including nine nationally protected species.

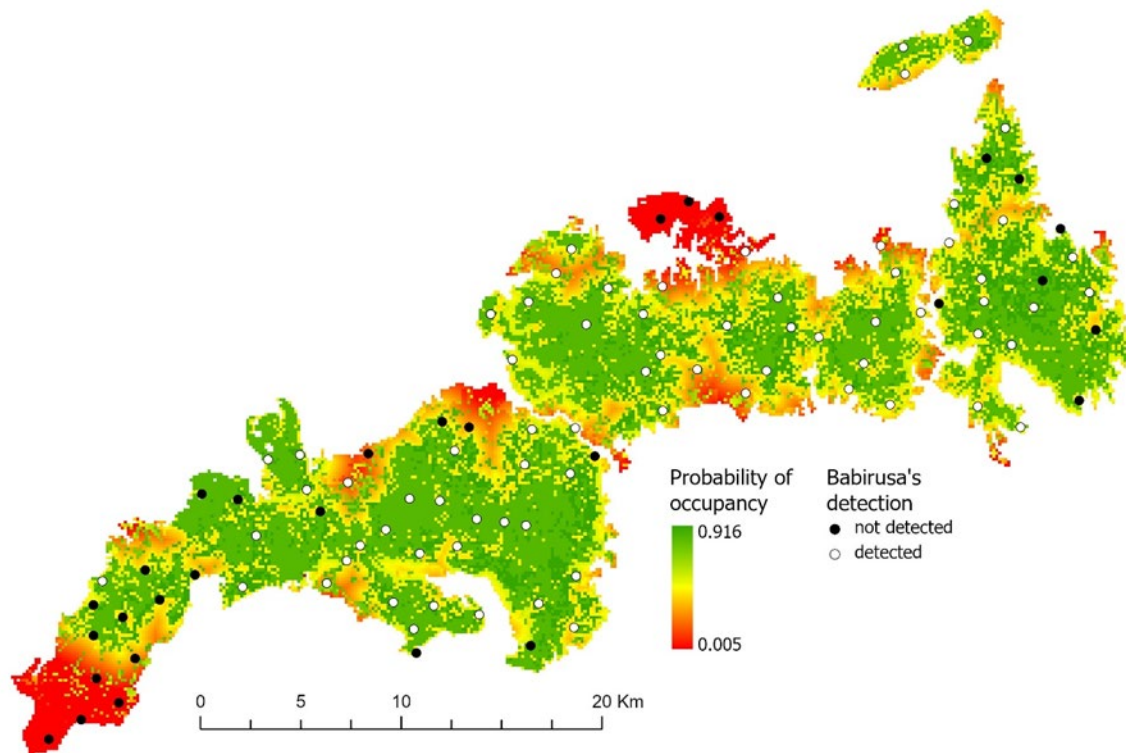


Figure 1. The predicted map of the Togean babirusa's probability of occupancy. Dark green color indicates high occupancy, and red indicates low occupancy. This map is preliminary analysis and subject to revision.

In November 2022, we organised a 3-day training workshop at the Kepulauan Togean National Park headquarters and Tanjung Api Nature Reserve, central Sulawesi. We invited Dr. Alexander Moßbrucker (International Elephant Project) to help us facilitate the training. More than 30 people, consisting of the national park wardens, local citizen scientists, and an NGO participated in the training. We also invited participants from all over Indonesia to join virtually via Zoom. At the end of the training, we donated the

equipment we used in the project (i.e., camera traps and GPS) to the Kepulauan Togean National Park agency for future monitoring in the islands.



Ikal assists a participant to set a camera trap.



Ir. Bustang, the Kepulauan Togean National Park Chief giving opening speech at the training workshop.



Dr. Alexander Moßbrucker explaining camera trapping data management.



Ikmal explaining how to set up a camera trap to a workshop participant.



Dr. Alexander explaining how to set up camera trap to the training participants.



Agus Jati explaining how to set the camera trap to training participants.





A group of participants exploring Tanjung Api Nature Reserve to install camera traps.





Training participants working as a team to deploy camera traps.



Training participants posing after finishing fieldwork at Tanjung Api Nature Reserve



A participant group is working together to input simulation camera trap data.





"Who gets the answer right, will get a chocolate bar"... A participant receives a chocolate bar from Bayu Broto after correctly solving a quiz.



Agus Jati symbolically donates the monitoring equipment by handing over a camera trap to Ir. Bustang, the Kepulauan Togean National Park chief.



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