

## Masungi Georeserve Basic Drone Training



Discussion on Introduction to Drones and Drone Flying



Open area basic drone maneuver training



Participants flying drones at one of the mountains of the georeserve park

OVERVIEW	
<b>Flying Labs</b>	Philippines Flying Labs
<b>Location</b>	Rizal, Philippines
<b>Date</b>	November 28, 2020
<b>Length (number of days)</b>	1 day
<b>Sector program (optional)</b>	EcoRobotics
<b>Format</b>	In-Person

<b>Co-organizer if applicable</b>	Masungi Georeserve Foundation Inc.
<b>SDGs</b>	<a href="#">GOAL 13: Climate Action</a> <a href="#">GOAL 15: Life on Land</a>

<b>SCOPE &amp; OUTCOMES</b>	
<b>Type of training</b>	<ol style="list-style-type: none"> <li>1. Introduction training to drones</li> <li>2. Sector-specific training of professionals ( georeserve park monitoring and surveillance)</li> </ol>
<b>Goal of the training</b>	<ol style="list-style-type: none"> <li>1. Create drone awareness</li> <li>2. Develop drone data acquisition skills</li> <li>3. Develop data literacy/interaction skills</li> </ol>
<b>Expected outcome for participants</b>	The participants are expected to learn the basic concepts and skills to fly drones, as well as ethics and safety regulations.
<b>Confirmed outcome after training</b>	The participants were able to develop confidence in flying drones and acquired basic skills in drone piloting which are useful for their goals of monitoring the georeserve park. They were also able to find out the local regulations implemented which they will follow.
<b>Eventual next steps</b>	The next steps for the participating team is to officially register their drone to the civil aviation authority and acquire a piloting license.

<b>PARTICIPANTS</b>	
<b>Profiles and number of participants</b>	Staff from Organizations - 7
<b>Name of participants' organizations</b>	Masungi Georeserve Foundation Inc
<b>Gender ratio</b>	2 males : 5 females
<b>Who paid for the training?</b>	Free training

<b>CONTENT</b>	
<b>Training components</b>	I. Discussion of Concepts II. Practicals
<b>Training resources used</b>	Hardware: <ul style="list-style-type: none"> <li>● Parrot Anafi with accessories</li> <li>● Phone/Tablet</li> <li>● DJI Mavic 2 Enterprise with accessories</li> </ul> Software: <ul style="list-style-type: none"> <li>● FreeFlight 6</li> <li>● DJI Go</li> </ul> Others: <ul style="list-style-type: none"> <li>● WeRobotics Drone Code of Conduct</li> <li>● CAAP Regulations (Philippines Civil Aviation Regulations (PCAR) memorandum act titled “Aerial Work and Operating Limitations for Non-Type Certificated Aircraft)</li> </ul>
<b>Approaches and methods used</b>	<p>The approach taken for this specific training is the basic concept to practical method. The trainers discussed introductions on drones, drone regulations, and drone safety using presentation slides before proceeding to the actual drone flying. The participants were trained with basic flying maneuvers in an open area (basketball court) where they applied the concepts they learned. After the open area training, the team hiked to one of the mountains in the georeserve park and the participants experienced flying in the area where conditions are different from the court and were able to apply the safety protocols as needed.</p>