

Training on the use of UAVs in agriculture, forestry and urban planning



Participants during the theoretical part of the training



Practical training in the field

OVERVIEW	
Flying Labs	Senegal Flying Labs
Location	Senegal
Date	May 18 - May 28, 2020
Length (number of days)	11 days
Sector program	DevRobotics
Format	In-Person
SDGs	GOAL 1: No Poverty GOAL 2: Zero Hunger GOAL 8: Decent Work and Economic Growth GOAL 9: Industry, Innovation and Infrastructure GOAL 11: Sustainable Cities and Communities GOAL 15: Life on Land

SCOPE & OUTCOMES	
Type of training	Sector-specific training of professionals (for example: Drones for Disaster Relief)
Goal of the training	<ol style="list-style-type: none"> 1. Develop drone data acquisition skills 2. Develop drone data analysis skills 3. Develop data literacy/interaction skills
Expected outcome for participants	<p>At the end of the training, participants were expected to acquire practical knowledge on:</p> <ul style="list-style-type: none"> o How to fly safely and responsibly with different types of UAV platforms (fixed wings and multi-rotors)? o How to choose the best sensor and the best platform for your operation? o How to collect, manage and analyse data collected with drones to use in agriculture, forestry and urban planning? o How to design and implement UAV programmes in your field of work?
Confirmed outcome after training	Axon Drone, one of the participants of the training, purchased their own drone after the training and preparing for a cargo drone project to work with Senegal Flying Labs.
Eventual next steps	Upcoming cargo drone project and Incubation project with Axon Drone

PARTICIPANTS	
Profiles and number of participants	4 Professionals (individual consultants, researchers, experts, teachers, etc.)
Gender ratio	3 men : 1 woman
Who paid for the training?	The participants
Participant fee rate (if applicable)	USD 450
Scholarships offered?	No

CONTENT	
Training components	<ul style="list-style-type: none">● Theoretical component - 3 days● Practical component - 7 days
Training resources used	<ul style="list-style-type: none">● Software: ArGIS Pro, GIS capture, GIS mapping● Hardware: Phantom, Mavic
Approaches and methods used	<ul style="list-style-type: none">● It was hands-on training. All participants were involved in practical training. They were brought to the field (in the university) to pilot drones and collect data to do mapping of the ground.● The practical training took place both in groups and individually.