Precision Agriculture and Nature Conservation Training

Figure 1. Training venue set up

Figure 2. Training participants

OVERVIEW	
Flying Labs	Namibia Flying Labs
Location	Windhoek, Namibia
Date	Friday, 27 May 2022
Length (number of days)	One (1)
Sector program (optional)	EcoRobotics, DevRobotics
Format	Both (online and in-person)
Co-organizer if applicable	1. Alexander D.C. Mtambo: Senior Instructor and Head of Training - African Drone and Data Academy (ADDA) 2. National Agricultural Business Association of Namibia (NABAN) 3. Tadala Makuluni: Masters student in Environmental Forestry 4. University of Namibia (UNAM)
SDGs	GOAL 2: Zero Hunger GOAL 8: Decent Work and Economic Growth GOAL 9: Industry, Innovation and Infrastructure

SCOPE & OUTCOMES	
Type of training	1. Introductory training on drones 2. Technical training of professionals 3. Sector-specific training of professionals
Goal of the training	1. Create drone awareness 2. Develop drone data acquisition skills 3. Develop drone data analysis skills cognizance
Expected outcome for participants	1. To improve awareness of technologies used in precision agriculture 2. To gain knowledge on the general workflows in conservation 3. Good judgement of precision, smart and digital farming 4. Knowledge of the constituents of precision agriculture 5. To understand the associated challenges and obstacles 6. Skillset acquisition for data analysis and classification.
Confirmed outcome after training	The targeted outcomes were all achieved and the participants gained information and insights on the various carrier-phase enhancements, sensors and payloads applicable to precision agriculture and nature conservation. General interest was sparked towards the adoption of the discussed technology and all pertinent enquiries were addressed with the service of our guest trainers from Malawi.
Eventual next steps	1. Organize demo sessions 2. Pilot project for implementation 3. Follow-up presentations to individual organizations 4. The signing of Memorandums of Understanding (MoU) with the participating organizations for future collaborations

PARTICIPANTS

Profiles and the number of participants	1. Staff from Organizations (8) 2. Staff from Government (2) 3. Professionals (4) 4. Local community members (3)
Name of participants' organizations	1. Ministry of Environment, Forestry and Tourism (MEFT) 2. Namibia Emerging Commercial Farmers Union (NECFU) 3. National Agricultural Business Association of Namibia (NABAN) 4. Office of the Prime Minister (OPM) 5. United Nations World Food Programme (WFP) 6. University of Namibia (UNAM)
Gender ratio	4 female (24%) and 13 male (76%) - **Female: Male = 4: 13**
Who paid for the training?	Paid by a donor (US Embassy in Namibia)
Participant fee rate	N/A
Scholarships offered?	Full scholarship

CONTENT	
Training components	1. Theory
Training resources used	**Hardware** 1. Data projector 2. DJI D-RTK 2 3. DJI Mavic 2 Pro 4. Shenzhen GY G7 VTOL Fixed-wing 5. Laptop computers 6. Sound system **Software** 1. MS PowerPoint 2. Zoom Meetings **Visual Aids**

	1. Banners
Approaches and methods used	● Incorporated discussion sessions in the training to foster sharing amongst participants. ● Invited some guest trainers from Malawi to expand the knowledge and lived-experiences pool. ● Split theory and practical sessions.