

Plan Overview

A Data Management Plan created using DMPTool-Stage

Title: Advancing sUAS Technicians' Education through Fieldwork Experience, Curriculum Development and Outreach

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Template: NSF-EHR: Education and Human Resources

Project abstract:

The project's overarching goals are (1) to provide Atlantic Cape students with enhanced learning experiences, including research opportunities, to better prepare them for the workforce in small unmanned aircraft systems (sUAS); and (2) to provide technical educators with professional development experiences that will enhance their ability to teach sUAS in their classrooms. Objectives are to: •Improve students' technical skills in collecting data using an unmanned aircraft system equipped with state-of-the-art sensors, and subsequently processing this data using industry-standard data processing software applications. •Adapt and/or develop learning activities that provide students with an opportunity to conduct and/or participate in either student developed and/or ongoing data collection and research. •Collaborate with industry and university partners to provide students with scientific research fieldwork experiences. •Create a Summer Academy for Remote Sensing with Unmanned Aircraft Systems designed to prepare teachers and college faculty for Federal Aviation Administration licensure and build a repository of lesson ideas for the integration of drones across the content areas. •Design and develop STEM enrichment activities for underrepresented high school students.

Start date: 06-30-2021

End date: 06-29-2024

Last modified: 09-27-2020

Copyright information:

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Advancing sUAS Technicians' Education through Fieldwork Experience, Curriculum Development and Outreach

James Taggart , PI responsible for storage and organization of project results, particular data, metadata, samples, software, curricula, documentation, publications, and other materials generated in the course of the proposed project.

The types of data and products to be generated instrument datasets, curricula, and images.

Data and products are to be stored on an Atlantic Cape Internet server named Venus publically accessible at <http://venus.atlantic.edu/jtaggart/drones> and on a publically accessible Google Drive.

Data and products are to be preserved on Atlantic Cape's server for 5-years beyond the end of the project. Data stored on Google drive is to be preserved indefinitely.

Data and products for dissemination will be licensed using an open Creative Commons license.

Student data protected by FERPA is not to be publically accessible unless redacted.

Non proprietary data formats will be used. Expected formats: jpg, tif, instrument format, pdf, html,shp, xml, csv, and txt.

Data will be stored in two locations Atlantic Cape's 'Venus' Internet server and Google Drive. Data stored on the Venus server will be maintained for at least 5 years beyond the end of the project. Data stored in Google Drive will be maintained indefinitely. Any and all associated costs will be paid by Atlantic Cape.

No, third party data preservation.
