# DAILY ACTIVITIES REPORT

## Remote sensing of tobacco fields: detection of tobacco fields and area of the fields in Mozambique and Malawi

**Philip Morris International company**

## Week 1 Residency Completed tasks 20-24/09/2021

20/09/2021: Welcoming and introducing and interaction with other fellows and AIMS staff

21/09/2021: Orientation call with PMI company

Group presentation

22/09/2021: Reading AWS and Papers about Field identification using RS

23/09/2021: Team catch up with PMI company

Setting up computer with some installation of all packages

24/09/2021: Download the sentinel 2 data using python

## Ongoing tasks

Download sentinel data

## Challenges

Some products are not online, it is not possible to download it

## Week2 Residency Tasks for this week 27 – 01/10/2021

27/09/2021: Download sentinel data

Understand the products which will got after downloading sentinel data

28/09/2021: Pitch training

Team meeting with PMI company

Visualization of Sentinel data

29/09/2021: Extraction of information from sentinel data using NDVI

30/09/2021: Extraction of information from sentinel data using NDVI

01/10/2021: Try to put all in function

Challenges: My laptop crashed due to memory error.

## Week2 Residency Tasks for this week 04 –0 8/10/2021:

04/10/2021: Try to put all in functions

Analyse NDVI

After getting NDVI, read about how can identify crops type.

Done at Kigali Rwanda

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