



Project of Capacity Development for the Implementation of Agricultural Insurance

October 2022

Remote Sensing Workshop

The Project organized a Workshop on remote sensing technologies on 30 August at Bogor. The Project's implementing agencies, BRIN (National Agency for Research and Innovation) and IPB (Bogor Institute of Agriculture) University were invited to the workshop and discussed the possibilities of using remote-sensing technologies



to collecting data on agriculture production. They also exchanged information on the current status of analytical progress in the application of remote-sensing technology to paddy yield estimation in Indonesia. Compared to the AUIP (Indemnity based agricultural insurance for paddy), which is widely implemented in Indonesia, AYII (Area Yield Index Insurance) may benefit more from the remote sensing technology due to its reliance on the accuracy in yield data obtained through the sampling survey. The Project conducted CCEs (Crop Cutting Experiments)



in 15 villages in Karawang District, West Java Province, targeting the second planting season (MT2) of 2020 and the first planting season (MT1) of 2021. Those data was compared with the data collected by the remote sensing technologies. Priority was given to SAR (Synthetic Aperture Radar) sensor in Indonesia because Indonesia is very often covered with clouds. As a result, almost no correlation between LAI (Leaf Area Index) and yield was observed. For accurate estimation of yield using remote sensing, it is necessary to apply multiple regression analysis. Following the report, the experts from BRIN and IPB introduced their latest research and discussed possible researches toward utilizable data for agriculture.

Regular Monitoring on AYII Implementation

The pilot activities of AYII are currently continuing in Karawang District, West Java Province for the third crop season, and in Kendal District, Central Java Province, for the first crop season. Each district set the goal of enrolling 1,000 hectares. The progress of the pilot activities, which include socialization, registration and sales status of the insurance products, is monitored through online meetings every two weeks. When problems occur, the participants discuss how to resolve them and record them for future revision of the guidelines for agricultural insurance. In Karawang District, the Project is also working to resolve problems occurred during the previous two cropping seasons, including the claims application process and the actual insurance payout. A review and recap of the current crop season will be conducted once sales are completed in all pilot areas.

