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**Indonesia Center for Agricultural Biotechnologi and Genetic Resources
Research and Development (ICABIOGRAD)
Indonesia Agency for Agricultural Research and Development
(IAARD)
Ministry of Agriculture**

Technical Report

**Evaluation of DOI Implementation in participating country: Lao PDR.
Lao PDR, 18 – 20 July 2019**

BACKGROUND

- The evaluation of the DOI implementation in participating countries were conducted for Lao PDR and Malaysia on 17 – 20 July 2019. The evaluation was part of the project W3B-PR-29-Indonesia: Multi-country Construction of a Test Platform for the Development and Allocation of Unique Identifiers to Rice Germplasm. This activity was subjected to evaluate the implementation of DOI in the participating country, and to get feedback, including the suggestion and the future plant.
- The activity was conducted by only one person representing the DOI team from ICABIOGRAD. The agenda of the evaluation including: the implementation of the DOI on rice collection; the challenge on the implementation, and the next plan.
- Overall overview is that the DOI concept was disseminated to the RRC-NAFRI, the software was tested, and the DOI registration was initiated.

THE EVALUATION REPORT

The evaluation was conducted in Rice Research Center (RRC) – under National Agricultural and Forestry Institute (NAFRI) on July 18 – 19, 2019.

Evaluation day-1: 18 July 2019

- The evaluation program was opened by Dr. Chantakhone Boulaphanh, the Director of RRC and attended by the deputy, the genebank manager, and other staff.
- In this opening, Dr. Chantakhone Boulaphanh presenting the historical background of the institution and the responsibilities related with the main task, mission and vision of RRC.
- Regarding the collaboration she was appreciating the two collaborations between RRC and ICABIOGRAD. RRC is collaborating partner in both BSF-FAO project that were managed by ICABIOGRAD, i.e the Project of Multi-country Construction of a Test Platform for the

Development and Allocation of Unique Identifiers to Rice Germplasm and the project of Co-development and transfer technology.

- Regarding the project of the Multi-country Construction of a Test Platform for the Development and Allocation of Unique Identifiers (DOI assignation project), she emphasized the need of more information regarding the concept of the DOI, including the relation to the material transfer and the benefit of the implementation of the DOI registration.
- As a response to the request of the Director RRC, Dr. Nurul Hidayatun (DOI evaluation team from ICABIOGRAD) was presenting the concept of the DOI. The presentation was emphasized more on the concept of the DOI and the implementation to support material transfer in the multilateral system.
- Following the presentation, a discussion was conducted, and was facilitated by Dr. Koukham, the genebank collection and database manager, who's previously participating in the DOI training, workshop, and conference.
- The first day evaluation was closed by Dr. Chay Bounphanousay, the Director General of National Agricultural and Forestry Research Institute (NAFRI). She appreciate the collaboration and emphasized the need of further collaboration.

Evaluation Day-2: 19 July, 2019

In the second day, the evaluation was conducted in the genebank office of RRC. The program started with genebank visit and continued with evaluation and discussion.

- The RRC genebank is a national genebank. The genebank was previously managing all PGRFA crops, before the institution is separated as rice research. The genebank is maintaining a total of 14000 accessions of plant genetic resources for food and agriculture (PGRFA). The database management includes the passport data, monitoring data, and characterization-evaluation data.
- Among them, 470 rice accessions were assigned with DOI. The rest of the rice collection will be registered after the data requirement was completed.

CONCLUSION

There are expectations growing along the evaluation program that need to be considered. The RRC recognized the need of the DOI application for a wider scope of PGRFA, aside of rice. RRC genebank was previously considered as PGRFA genebank who's maintaining PGRFA. Recently, the genebank is maintaining mainly rice as active and base collection and the other PGRFA as base collection. The genebank is set as national genebank, thus, any material transfer is under its responsibility. Taking this central role on the access of the collections, the genebank need to register all PGRFA collection and assigned them with DOI. In this regards, the director of RRC expressing the need do some review and technical assistance to support the DOI assignation for non-rice crops.