



MINISTRY OF AGRICULTURE



**The International Treaty**  
**ON PLANT GENETIC RESOURCES FOR FOOD AND AGRICULTURE**

**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**

**Dissemination of DOI Implementation on Plant Genetic Resources to  
Support Farmer Right and Multilateral System  
(Bogor, Indonesia, 17 July 2019)**

### **INTRODUCTION**

Implementation of DOI beneficial for monitoring and tracking the origin of plant genetic resources as consequence of material transfer agreement under ITPGRFA. ICABIOGRAD-IAARD has successfully conducting the pilot project on the development and implementation of DOI on rice collections. Data manager from 13 countries were trained for DOI software testing and rice collections were assigned with DOI. There was a growing awareness that DOI should also be implemented for the non-rice crops since there are another 63 crops under annex-1 of ITPGRFA. PGRFA holder in Indonesia. In this regards, the pilot project of the DOI registration should be disseminated across stakeholders in Indonesia.

The workshop was subjected to disseminate the pilot project of the DOI registration on rice germplasm and to gain information related to the expansion of the annex-1.

### **THE WORKSHOP**

The workshop was conducted on 17 July 2019 in Savero Hotel, Bogor-Indonesia. The workshop was attended by 44 representatives from different sectorals (Indonesia Institute of Science, Min of Environmental and Forestry, Min of Foreign Affair, Min of Agriculture, Breeder Science Community, National Community of Genetic Resources, Farmer and Fisher Community, University, and other invited guest (annex).



**Fig. 1. Group picture during the workshop**

The program was opened by Director of ICABIOGRAD who's presenting the objective of the program and wishing a productive meeting to bring mutual understanding related to particular topic of the next governing body (GB) meeting.

The pleno session was presenting three speaker.

- Mr. Hakim Kurniawan, the first speaker the first speaker in the plenary, presenting "DOI Application for Plant Genetic Resources". He explained the main problem of access to information on genetic resources are: 1) PGRFA data or information is difficult to find because it is not available online, 2) generally spread across a variety of different systems and not interconnected due to different formats or platforms from system, and 3) little or no interoperability in the system that has been developed. Therefore, an accurate and permanent tool is needed to identify SDG-TPP that applies globally. The DOI is in the Global Information System (GLIS) portal with a registration system free of charge and based on institutional accounts. The application of DOI is very useful for monitoring and tracking the origin of plant genetic resources as a consequence of the exchange of plant genetic resources in international agreements on plant genetic resources for ITPGRFA food and agriculture. When genetic material has been registered into the DOI system, the information will be available on the GLIS portal so that it can be accessed globally. At present as many as 1326 accessions of Indonesia PGRFA have been registered with the DOI system through the accounts of ICABIOGRAD.
- Second speaker, Dr. Puji Lestari presenting The Multilateral System (MLS) for Access to PGRFA and the Sharing of Benefits from its Utilization. She explain

about ITPGRFA and the mechanism of multilateral system, and issues related to the discussion of the Adhoc Working Group for the MLS Enhancement of the ITPGRFA which led to a compromise the expansion of the coverage of Annex 1 crop and the revision of the SMTA.

- The 3rd speaker, Ir. Mastur, M.Sc, Ph.D (director of ICABIOGRAD; National Focal Point) presenting The implementation of Farmers' Right in Indonesia. Farmers' Right is one of the main clusters of ITPGRFA, from three other clusters namely sustainable use, multilateral systems, and benefit-sharing. Article 9 of ITPGRFA state that contracting party have an obligation to 1) protect traditional knowledge related to plant genetic resources for food and agriculture (PGRFA), 2) promote farmers' rights to participate fairly in profit sharing; and 3) promoting farmers' rights to be involved in policy making at the national level. However, these articles in their implementation must not conflict with the existing national regulations. The 7th governing body meeting (2017) formed an Ad Hoc Technical Expert Group on Farmers' Right (AHTEG-FR) with the mandate to inventory the implementation of Farmers' Right at the national level and developing Options to encourage, guide and promote Farmer Rights. There have been two AHTEG-FR meetings conducted in September 2018 and May 2019 resulting two documents of inventory of the implementation of Farmers' Right from various countries and draft Options that contain the outline of the Farmers' Right strategy. In this workshop, Dr Mastur accomodate any additional inputs that can be submitted to the AHTEG-FR to be presented at the upcoming GB-8 meeting in Rome on November 2019.

**Annex. List of workshop participants**

<b>No</b>	<b>Name</b>	<b>Institution</b>
1	Renita S. Damanik	Plan Beureu, Secretariat General Ministry of Agriculture (MoA)
2	Sylvia E.	Plan Beureu, Secretariat General Ministry of Agriculture (MoA)
3	Prof. Erizal Jamal	Plant Variety Protection
4	Nuning	Collaboration Division, IAARD
5	Ir Watiningsih, MM	Directorat General Horticulture, MoA
6	Dyah Endri, SP	Directorat General Horticulture, MoA
7	Fajar Hufail	Directorat General Horticulture, MoA
8	Dr. Indria W. Mulsanti	ICRR-IAARD-MoA
9	Trias Sitaresmi, MSi	ICRR-IAARD-MoA
10	Nur R.	Horticulture Research Center, IAARD-MoA
11	Djoko M.	Horticulture Research Center, IAARD-MoA
12	Nurliani Bermawie	Estate Research Center, IAARD-MoA
13	Sri Suhesti	Estate Research Center, IAARD-MoA
14	Syafaruddin	Estate Research Center, IAARD-MoA
15	Haryo R.	Food Crop Research Center, IAARD-MoA
16	Dr. Ety Ambarwati	Directorate of Biodiversity, Min of Environment and Forestry (MOEF)
17	Mia M.	Beureu of Foreign Collaboration
18	Dr. Trikoesoemaningtyas	Indonesia Breeder Association.
19	Puji Sumedi	KEHATI
20	Vidya S.	KEHATI
21	Kusnan, ST	Indonesia Farmer Association
22	Agus Muharam	BBP2TP-IAARD
23	Gecci Dwi Prasetyo	KRKP
24	Prof. (R.) Dr. Sugiono	ICABIOGRAD
25	Dr. Sutoro	National Committee of Genetic Resources
26	Prof. Agung Karuniawan	University of Padjadjaran
27	Haris Maulana	University of Padjadjaran
28	Dr. Taryono	Universitas Gadjah Mada
29	Ir. Mastur, M.Si., Ph.D	ICABIOGRAD
30	Dr. M. Sabran	ICABIOGRAD
31	Dr. Puji Lestari	ICABIOGRAD
32	Hakim Kurniawan, MP	ICABIOGRAD
33	Dr. Karden Mulya	ICABIOGRAD
34	Dr. Nurul Hidayatun	ICABIOGRAD
35	Try Zulchi, MP	ICABIOGRAD
36	Dr. Mia Kosmiatin	ICABIOGRAD
37	Dr. Rossa Yunita	ICABIOGRAD
38	Dr. Alina Akhdiya	ICABIOGRAD
39	Dr. Wening Enggarini	ICABIOGRAD
40	Ir. Tardi Toyib, MM	ICABIOGRAD
41	Andari Risliawati, MSc	ICABIOGRAD
42	Rerenstradika Tizar	ICABIOGRAD

	Terryana, MSi	
43	Yusi Nurmalita Andarini, SP	ICABIOGRAD
44	Getawati	ICABIOGRAD
45	Ansori Soemarna	ICABIOGRAD
46	Andika Bhakti	ICABIOGRAD
47	Dr. Tri Joko	ICABIOGRAD