### Objective/Outcome

**Objective**
Participants acquire practical skills to implement public system of seed quality test, and new plant variety protection (PVP) system, in conformity with international standards.

**Outcome**
1. Participant understands and can explain key issues in Quality Control (QC) of production and distribution of seeds and seedlings in their home country.
2. Participant can explain the outline and the importance of internationally certified seed tests, and acquire technical skill to conduct seed quality testing.
3. Participant understands the importance of PVP, and its potential impact on agricultural production through breeding to improve local varieties.
4. Participant acquires technical skill to conduct DUS (Distinctness, Uniformity and Stability) growing test which is an indispensable process related to examination in PVP system.
5. Participant understands the situation to improve PVP system in conformity with international system and seed quality control system in Asia.

### Target Organization / Group

**Target Organization**
National or local government or relevant organization in charge of practical work on PVP and/or seed testing or seed certification.

**Target Group**
- Officials who belong to the targeted organizations
- More than 3 years experience in relevant area
- Officials who have completed JICA group training related to plant variety protection OR involvement in JICA seed related project is desirable.

### Contents

1. **Development of inception report and visit related sectors**
   - Presentation of Country report (including PVP systems, QC of seeds and seedlings, type of crop/agri-business with international competitiveness or potential)

2. **Lecture, practice and visit on seed quality tests**
   - Lecture, and site visit at the Center for Seeds and Seedlings NARO (NCSS)
   - Practice at NCSS Headquarters and Nishinichon Station
   - Visit to seed company which exports seeds after passing seed test at NCSS.

3. **Lectures and visit related to plant variety protection**
   - Lecture on examination at PVP Office in MAFF.
   - Lecture by Office of the UPOV on impact of PVP, UPOV Convention, how to become UPOV member etc.
   - UPOV distance learning course, etc.

4. **Practice on DUS growing test**

5. **Overseas complement program in Vietnam**
   - History to develop PVP system in Vietnam and joining UPOV and its importance after becoming a member of UPOV.
   - The situation to improve PVP system.
   - QC system of seeds and seedlings in Asia.

### Implementing Partner
Center for Seeds and Seedlings, NARO (NCSS)

### Remarks and Website

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This program is designed for national and/or local governmental bodies engaged in the field of PVP and/or seed testing or seed certification. This program aims to provide the participants with practical skills for implementing the PVP system and quality control of seeds and seedlings. through seed testing and certification, in conformity with internationally agreed principles.