

DAY ONE Session 3
Centres of Origin, Movement and Value of Plant Genetic Resources

This session seeks to establish a scientific background and reference for the discussion of policies and laws by looking at issues that are central to contemporary policy and legal debates, inter alia, the concept of 'origin' (including centres of origin and diversity), the current location of genetic resources, the nature of contemporary germplasm flows, the degree of interdependence among nations for genetic resources, and the type of value that can be attributed to genetic resources. The session attempts to clarify how the subject matter (PGRFA) influences legal and policy options, and their implementation.

Instructions to Trainers

SESSION 3 **12:00 – 13:00 Session 3. Centres of Origin, Movement and Value of Plant Genetic Resources**
13:00 – 14:00 Lunch
14:00 –15:30 Session 3. (continued)
15:30 – 15:45 Tea/coffee break

RATIONALE For each crop, there are one or more centres of origin that contributed to the domestication of the crop. These are usually the primary centres of *in situ* diversity for that crop, and continued geneflow between crops and their wild relatives can contribute to new variability. For many crops, the centres of origin and areas of high diversity are located in developing countries. The early expansion of agriculture may be considered the first phase in the distribution of agricultural genetic diversity.

OBJECTIVE By the end of this session, the participants will be able to do the following:

- Appraise the implications of the origin and movement of PGRFA on the development of sound policy.

Use overhead 1.3.2 to present the session's objective.
(5 minutes)

PROCEDURE Learning strategies: presentation, group exercise.

PRESENTATION

(experience) Give a presentation on Centres of Origin, Movement and Value of Plant Genetic Resources. Before you begin your presentation, distribute the Summary of Overheads (handout 1.3.1. You will find the information in handout 1.3.2 very useful. Overheads 1.3.3 to 1.3.16 support the presentation. At the end of the presentation be sure to ask the participants if they have any comments or questions, or if they need any clarification. (30 minutes)

EXERCISE 3

Exercise 3. Negotiating Access and Benefit Sharing

(1 hour 50 minutes)

Handout 1.3.6 provides 'practical considerations' regarding the VEERY wheat pedigree exercise
Please be sure to read these considerations before the session.
Distribute the handout *only* after the participants have completed Exercise 3.

1. Distribute handouts 1.3.2 to 1.3.5. Handout 1.3.3 gives clear instructions for the exercise. Ask a participant to read the instructions aloud. Go over the instructions with the participants step by step. (5 minutes)

Phase 1. Group work (45 minutes)

2. Divide the participants into four groups, and ask each group to elect a rapporteur.
3. *(experience, process)* Invite the participants to examine the pedigree of VEERY Wheat (handout 1.3.4) and to closely follow the instructions provided in steps 2 and 3 in handout 1.3.3. As the groups work, circulate from group to group to check their progress. Clarify any concerns they may have while they are working. Be sure to remind them of the time remaining.
4. Discuss the legal and administrative structure that is needed by country A to deal with similar requests in future, and that is cost effective.
5. Remember to provide the rapporteurs with an overhead to present the results of the exercise to the audience.

Phase 2. Reporting and discussion (60 minutes)

6. *(process, generalization)* The rapporteurs present their group's results to the audience. Each rapporteur has five minutes to make the presentation. (20 minutes)
7. Distribute handout 1.3.6 to the participants and invite them to discuss the major issues related to the 'practical considerations' of this exercise. (15 minutes)
8. *(generalization)* Facilitate a discussion on the results of the exercise and provide feedback on the content of the presentations. (40 minutes)

CLOSURE

Closure (5 minutes)

1. (generalization) Distribute handout 1.3.6, which provides 'practical considerations' regarding the VEERY wheat pedigree exercise.
2. (*application*) Ask the participants to tell one of their neighbours two things they might do differently as a result of what they have learned. Choose some volunteers to give examples.
3. Make a transition to the next session.