



PROJECT NOTIFICATION

Ref. No.: 22-IP-03-GE-DLN-A-PN2200034-005

Date of Issue	27 May 2022
Project Code	22-IP-03-GE-DLN-A
Title	APO e-Course on Enabling Regulations for Agricultural Innovation
Launch Date	1 September 2022
Hosting Country(ies)	APO Secretariat
Modality	Digital Learning
Implementing Organization(s)	APO Secretariat
Participating Country(ies)	Open
Overseas Participants	Not Applicable
Local Participants	Not Applicable
Qualifications of Participants	Open
Nomination of Participants	Not Applicable
Closing Date for Nominations	Not Applicable

1. Objectives

- a. Understand key agricultural innovations and the concept of enabling regulations.
- b. Examine regulatory frameworks of key innovations through case studies.
- c. Learn about considerations in developing and adopting regulations to accelerate agricultural innovation.

2. Background

An FAO report in 2021 stated that the COVID-19 pandemic had made it even more challenging to achieve SDG 2: Zero Hunger by 2030. Further efforts must thus be made to enhance agricultural productivity.

For the sustainable production of more nutritious food from limited land and resources, the adoption of agricultural innovations must be accelerated. These include technologies that enable smart agriculture and plant-based technologies like genome editing and genetic modifications.

Several enabling factors are involved in the successful introduction and adoption of these innovations. Governments should ensure that regulations accelerate the adoption of innovations in a timely manner without sacrificing safety, transparency, sustainability, and profitability. Academia should contribute to the establishment of science- and fact-based regulations, and the private sector should provide support through investment, knowledge, and experience.

This e-course will focus on emerging agricultural innovations, the rationale for enabling regulations to accelerate the adoption of innovations, examples of regulatory frameworks from leading countries, and key considerations in developing and adopting regulations as innovation enablers.

3. Modality of Implementation

- a. The course is offered through the APO e-learning platform: <https://www.apo-elearning.org>
- b. Participants should register on this portal and create their own accounts.
- c. Certificates of completion will be provided for those who satisfactorily complete all the modules of the course, including quizzes and a final examination.

4. Scope and Methodology

The course will comprise five modules:

Introduction

Module 1:

Overview of innovative agricultural technologies and the role of regulations as enablers

Module 2:

Smart agriculture: Case study of regulatory frameworks for drone applications

Module 3:

Genome editing: Case study of regulatory frameworks

Module 4:

Genetically modified crops: Case study of regulatory frameworks

Module 5:

Key considerations in developing and adopting regulations as innovation enablers

Self-assessment quizzes and a final examination

Methodology

Module study, additional study material for participants, quizzes for self-assessment, and a final examination.

5. Requirements

- a. Have necessary devices and software comprising a computer/smartphone, updated browser, microphone, and speaker or headphones.
- b. Access to internet connections.
- c. Completion of all the modules, quizzes, and final examination.
- d. The APO e-certificate will be given to participants who score a minimum of 70% on the final examination.

6. Financial Arrangements

The APO will meet the assignment costs for resource persons to develop the course modules including quizzes and a final examination.

7. Actions by APO Members

- a. Promote the course nationwide.
- b. Provide the link to the APO e-learning platform on NPOs' websites and social network services.

8. Actions by the APO Secretariat

- a. Identify and assign the resource person(s) to develop the course.
- b. Announce course commencement on the APO website and social network services.



Dr. AKP Mochtan
Secretary-General