



CONCEPT NOTE

Mini-workshop – Technical capacity building session between the IPPC TPDP and the NPPO of Japan

25 October 2024

09:00-12:30h

Boosting Agricultural Resilience: A Workshop on Advancing Knowledge Sharing in the IPPC Technical Panel on Diagnostic Protocols (TPDP) and New Plant Pest Diagnostic Techniques

Introduction:

The workshop on knowledge sharing about the IPPC and its Technical Panel on Diagnostic Protocols (TPDP) and processes and, new plant pest diagnostic techniques aims to build capacity and knowledge sharing about the topic. This event will provide a platform for TPDP experts, researchers, and NPPO from MAFF-Japan to brainstorm, collaborate, and exchange innovative ideas to improve plant pest diagnostics. It is also expected that participants will enhance their understanding about the IPPC standard setting procedure, how NPPOs and their employees can be involved (e.g. nominating experts during calls, participating in consultations) and benefit from it.

Objectives:

1. Facilitate the dissemination of the IPPC standard setting procedure and the work of the Technical Panel on Diagnostic Protocols (TPDP).
2. Foster collaboration among the TPDP members, IPPC Secretariat and NPPO of Japan to enhance knowledge sharing and capacity building on cutting-edge plant pest diagnostic technologies and methodologies.
3. Information sharing on strategies for early detection and effective management of plant pests using advanced diagnostic techniques.
4. Networking opportunities for participants to share experiences, ideas, and best practices.

Audience:

IPPC secretariat staff, Technical Panel on Diagnostic Protocols (TPDP) members, MAFF NPPO staff and researchers.

Key Takeaways:

1. Increased awareness of the IPPC procedure and the work of the TPDP.
2. Increased knowledge of the latest advancements in plant pest diagnostic techniques.
3. Increased knowledge of the work of MAFF on plant pests diagnostics.
4. Enhanced collaboration among participants to improve knowledge sharing.

Location: Yokohama Shinko Government Office Building, 3F, Meeting room B (TPDP meeting venue)

Workshop Structure:

A total of half day, from 09:00 to 12:30 on Friday 25 October 2024.

Proposed length: 3h

Proposed agenda:

Time	Title	Presenter
09:00-09:10	Welcome by MAFF Japan and IPPC Secretariat	Mr Takanori TSUKAMOTO / MOREIRA
09:10-09:25	The World Horticultural Exhibition Yokohama 2027	Expo Secretariat
09:25-09:50	Overview to the IPPC standard setting procedure with a focus on diagnostic protocols	Dr Adriana MOREIRA (IPPC Secretariat)
09:50-10:05	Novel Diagnostic Techniques for Early and Accurate Detection of Plant Pests and Ghana's experience with plant virus's diagnostics	Dr Andrew APPIAH (TPDP member)
10:05-10:25	CRISPR technologies for improved point-of-care diagnostics	Dr Yazmin RIVERA (TPDP member)
10:25-10:35	Short Q&A	
10:35-10:45	Short break	
10:45-11:00	NPPO of Japan: Overview	Mr Yasunori SHIRAGA/Dr Masami MASUMOTO
11:00-11:15	MAFF presentation – <i>Meloidogyne enterolobii</i> intercepted from seedlings of <i>Ficus microcarpa</i> during import plant quarantine	Dr Shigeyuki SEKIMOTO/Mr Kazuki NAKAE
11:15-11:30	MAFF presentation – Molecular diagnostics of insect pests	Ms Haruka ODA
11:30-11:45	MAFF presentation – Artificial Intelligence Development for Detection of Plant Pathogenic Fungi Spores	Ms Miyu MATSUYAMA
11:45-12:05	Short Q&A	
12:05-12:10	Photo	
12:10-12:20	Break	
12:20	Move to a restaurant (5 min walk)	
12:30-14:00	Lunch	

Notes:

1. Opening Session - Welcome: Setting the Context

- Highlight the importance of plant pest diagnostics in sustainable agriculture.

2. Technical Sessions:

- Presentation on the IPPC standard setting procedure with a focus on diagnostic protocols

- Presentation of novel diagnostic tools and techniques for rapid pest identification.

- Case studies showcasing successful applications of new diagnostic methodologies.

3. Feedback survey (to be shared with the participants after the meeting): by IPPC secretariat

4. NPPO of Japan will provide English/Japanese interpretation.