

8th Meeting of the G20 Agricultural Chief Scientists

(25th April 2019, Tokyo, Japan)



Concept Paper: International Research Collaboration to Tackle Transboundary Plant Pests causing serious damage globally

Agriculture, Forestry and Fisheries Research Council Secretariat (AFFRCS), Ministry of Agriculture, Forestry and Fisheries



Introduction

Damage caused by plant pests is responsible for loss of 20 - 40 % of global food production



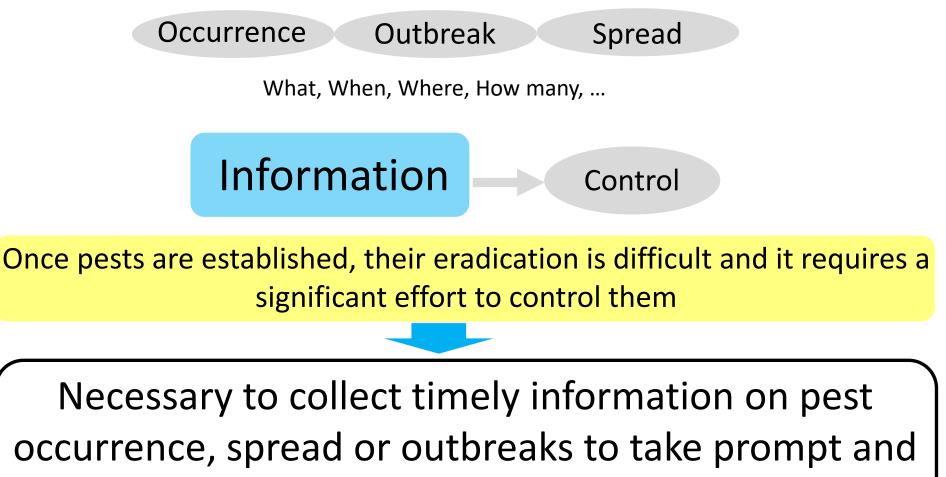
Increasing threat of transboundary plant pests

The latest information

Early detection

Prompt actions for control

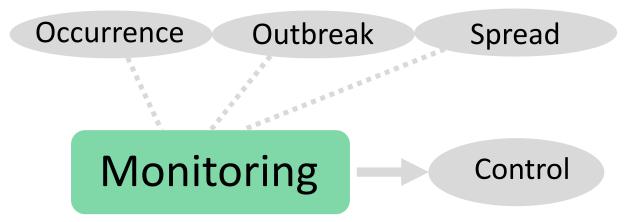
Collecting and sharing information on pest occurrence



early actions to prevent

IPPC put Global Phytosanitary Research Coordination and establishment of network of diagnostic laboratory services among its priority areas under new IPPC Strategic Framework

Monitoring technologies in the countries of pest occurrence



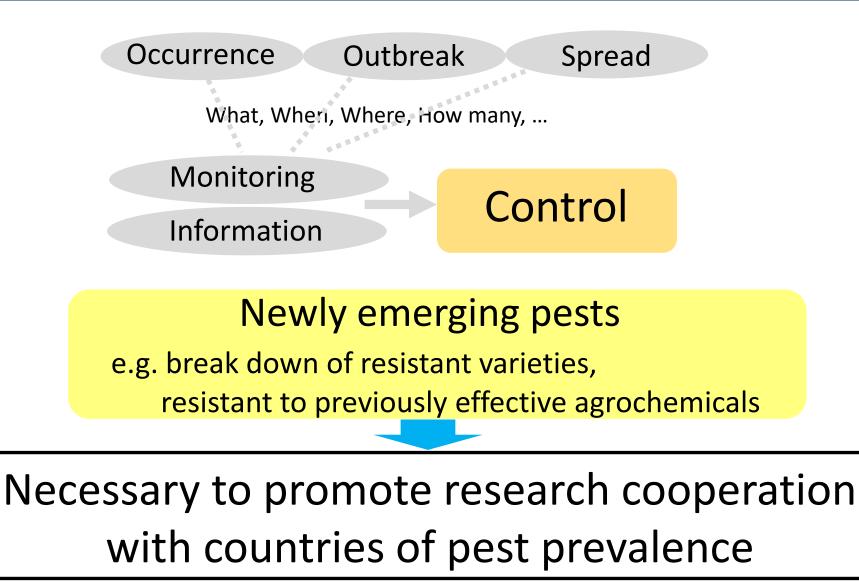
Developing countries have insufficient monitoring technologies

G20 member countries have useful technologies and valuable information for monitoring pests

e.g. to forecast migration of flying pests, to monitor insecticide resistance, databases of pests

Beneficial for all countries to increase their collaboration to reduce costs and increase response capacities

Prompt actions to prevent the spread of pests and promote appropriate measures for their control



Proposed actions for international research collaboration at G20 MACS 2019

- Hold a workshop to share experience and the latest information, and to facilitate research collaboration in Japan in 2019.
- Encourage core diagnostic laboratories and research institutes to establish networks, and other voluntary interactions.
- Promote research cooperation among interested members on some targeted transboundary plant pests.
- Strengthen collaboration with relevant international organizations and networks.