Progress Report 2017
Expert Group on Likelihood of Establishment
Guidance on the evaluation of likelihood of establishment in pest risk analysis for quarantine pests

Christina Devorshak
USDA-APHIS-PPQ-Science and Technology
NAPPO Expert Group member
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2016-17 NAPPO Expert Group Members

Robert Favrin - Chair

Katharine Church

CFIA

Canada

Christina Devorshak

Yilmaz Balci

APHIS-PPQ

Jim Cranney

Industry

USA

Xotchil Aideé Campuzano Martínez

SENASICA

Alejandra Elizalde

Industry

Mexico

Expert Group on Likelihood of Establishment

Objectives

1. Provide *harmonized guidance* on the evaluation of likelihood of establishment when conducting a pest risk analysis

2. Review and discuss national as well as regional guidance to evaluate likelihood of establishment for a pest

3. Describe key criteria that can be used to evaluate likelihood of establishment

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Final product

Develop a *Discussion Document* on this topic that provides:

- A discussion concerning the interpretation of existing guidance available in current standards on pest risk analysis (PRA) – especially ISPM 11

- Examples that illustrate the different approaches when evaluating likelihood of establishment
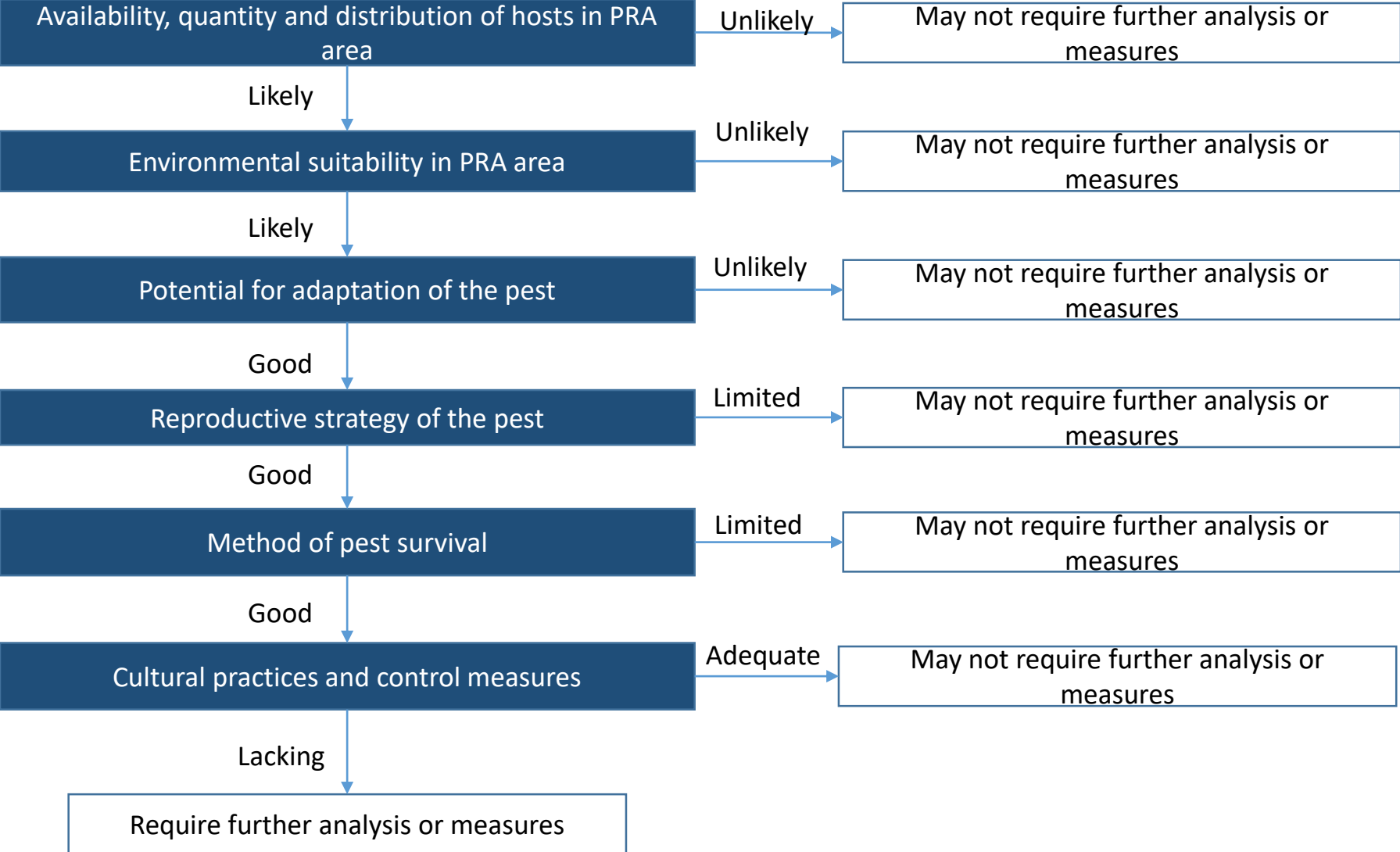
Progress during 2017

- EG worked "virtually"
- Completed review of existing guidance (e.g. ISPM 11) and agreed that international standards provide sufficient general guidance
- Finalized document in early spring 2017
- Document sent for country consultation (April-May, 2017)
- Comments reviewed and document finalized (Sept. 2017)

- Approach -> focus on interpretation of guidance using pest-specific examples for the four main likelihood of establishment elements (Environment, Hosts, Cultural practice/controls, Biology)
- This document is aimed at *IMPLEMENTATION* of existing guidance

Some issues related to LoE:

- Guidance in standards is very general
  - Example: Climate should be considered, but standards don't provide explicit information on how climate may affect establishment
- "Introduction" of a pest requires entry AND establishment
  - Entry of a pest may sometimes be considered/interpreted to automatically lead to establishment
- Likelihood of establishment may change depending on how the commodity is used
  - Example: likelihood of establishment of a pest on a commodity for consumption may change if that same commodity is planted

Likelihood of establishment elements

| Availability, quantity and distribution of hosts in PRA area | — Unlikely → | May not require further analysis or measures |

Likely ↓

| Environmental suitability in PRA area | — Unlikely → | May not require further analysis or measures |

Likely ↓

| Potential for adaptation of the pest | — Unlikely → | May not require further analysis or measures |

Good ↓

| Reproductive strategy of the pest | — Limited → | May not require further analysis or measures |

Good ↓

| Method of pest survival | — Limited → | May not require further analysis or measures |

Good ↓

| Cultural practices and control measures | — Adequate → | May not require further analysis or measures |

Lacking ↓

| Require further analysis or measures |

Conclusions and next steps

What remains to be done?

- Document approved by the NAPPO Executive Committee approval (at Annual Meeting)

- Upload NAPPO document to NAPPO website

- Provide document to IPPC for consideration when IPPC undertakes work on Likelihood of Establishment

- Promote the document within NAPPO region and with partners outside of NAPPO region