Implementation Review and Support System (IRSS)

Questionnaire:

ISPM 6 Guidelines for pest surveillance

A foundation activity of NPPOs is the conduct of pest surveillance. The products of pest surveillance provide the basis for pest listing, identification of pest status, pest categorization and the conduct of pest risk analyses. The IPPC approved, in 2004, ISPM6: Guidelines for surveillance as a basis to assist NPPOs for implementing this fundamental activity. In 2011, ISPM6 has been flagged for review and has been added to the IPPC Standards setting work programme. Also in 2011, the IPPC received funding to initiate the Implementation Review and Support System (IRSS). This system is an overarching programme of the IPPC aimed at identifying challenges of contracting parties for implementation of the IPPC and its standards as well as identifying resources for resolving those challenges. At the request of the Standards Committee of the IPPC, and in support of the review of ISPM6, the IRSS will be cataloguing the challenges faced by NPPOs for the implementation of the standard with a view to making recommendations to the review panel of ISPM6 on ways to improve the standard. It will also be gathering examples of best practice globally so that appropriate training material and manuals might be prepared under the capacity development programme of the IPPC.

As a way to assist us to conduct this review you are invited to complete this short 8 part questionnaire.

IMPORTANT:

- This questionnaire is to be filled by the NPPO – IPPC Contact point and/or designated IPP editor. You may also complete the questionnaire online at:

  https://www.ippc.int/index.php?id=1111052

  Note: You must be logged into your IPP account before clicking the link above.

- If you cannot use the online tool above, please do the following:

  1. Edit this form using Microsoft word 2003 or above.

  2. Return completed form to: ippc@fao.org and in the Subject Line of the message please enter: [your country name] "**IRSS ISPM6 response**"

THANK YOU FOR PARTICIPATING IN THIS IRSS SURVEY

A. Policy and Legislative Environment

1	**List the most important policy issues that shape your country's surveillance programme (e.g. trade policy, free trade agreements etc.)?**	**1.** [enter free text here] **2.** [enter free text here] **…**[Add additional points here]
2	**Does the NPPO have primary responsibility for pest surveillance?**	Y [ ] N [ ]
3	**Are other public or private organizations, agencies or departments, whether they operate at the provincial/district/regional etc. level, legally or otherwise mandated to perform pest surveillance?**	Y [ ] N [ ]
4	**Does the NPPO conduct pest surveillance activities in a coordinated manner with those public or private organizations, agencies or departments?**	Y [ ] N [ ]
5	**Are the powers/authority of the NPPO staff involved in pest surveillance sufficient to enable them to carry out the work effectively?**	Y [ ] N [ ]
6	**If no are the results of surveys provided to the NPPO?**	Y [ ] N [ ]
7	**When there are emergencies, can the NPPO legally mandate use of the services of those public or private organizations, agencies or departments to undertake surveys?**	Y [ ] N [ ]
8	**Are there written documents establishing the mandates, functions and responsibilities of those organizations or government departments for the conduct of pest surveillance?**	Y [ ] N [ ]
9	**Does the pest surveillance programme or service have a strategic and operational plan?**	Y [ ] N [ ]
10	**Is the surveillance responsibilities of the NPPO limited to quarantine pests, regulated non-quarantine pests, and/or regulated pests, or does it also include non-regulated pests of national concern?**	**Check one appropriate response e.g. [X]**
		[ ] Non-regulated pests (pest of national concern) [ ] Regulated non-quarantine pests [ ] Quarantine pests [ ] Regulated pests [ ] All of the above

B. Organizational structure, competences and culture

1	**Is there an organizational chart of the pest surveillance service?**	Y [ ] N [ ]
2	**Are the NPPO's pest surveillance functions centralized under a national manager?**	Y [ ] N [ ]
3	**List the organizations that are involved in carrying out pest surveillance in the country?**	**1.** [enter free text here] **2.** [enter free text here] **…**[Add additional points here]
4	**List the indicators you use to measure the relevance and performance of the pest surveillance programme?**	**1.** [enter free text here] **2.** [enter free text here] **…**[Add additional points here]
5	**Does the NPPO have formal linkages with external sources (non-NPPO) of information on pest surveillance?**	Y [ ] N [ ]
6	**Does the NPPO engage relevant stakeholders to support and improve the quality of the pest surveillance service?**	Y [ ] N [ ]
7	**If so, with which stakeholders and how?**	**1.** [enter free text here] **2.** [enter free text here] **…**[Add additional points here]
8	**When there is an emergency, are stakeholders included in the emergency planning team?**	Y [ ] N [ ]
9	**Does the NPPO's pest surveillance programs have well developed and compatible data systems to collect, store and report pest surveillance information?**	Y [ ] N [ ]
10	**Does the pest surveillance programme or service have procedures to review its performance?**	Y [ ] N [ ]

C. Documented procedures

1	**Is there a computerized retrieval system for surveillance information in use by the NPPO?**	Y [ ] N [ ]
2	**Indicate if the following information is kept by the NPPO:**	**Check appropriate responses for each e.g. [X]**
	Scientific name of pest	Y [ ] N [ ]
	Scientific name of host	Y [ ] N [ ]
	Plant part affected	Y [ ] N [ ]
	Means of collection	Y [ ] N [ ]
	Date and name of collector	Y [ ] N [ ]
	Date and name of identifier	Y [ ] N [ ]
	Date and name of verifier	Y [ ] N [ ]
	Geographical location	Y [ ] N [ ]
3	**Are GIS coordinates used to specify the location of pests detected during pest surveys?**	Y [ ] N [ ]
4	**Is there an NPPO's operational manual for general pest surveillance?**	Y [ ] N [ ]

D. General surveillance

1	**Is there a national database of plant pest records?**	Y [ ] N [ ]
2	**Are databases of plant pest records easily accessible by the NPPO?**	Y [ ] N [ ]
3	**What proportion of the records can be verified from insect or culture collections?**	**Check one appropriate response e.g. [X]**
		[ ] 0 [ ] 1-25 % [ ] 26-50 % [ ] 51-75 % [ ] >75 %
4	**List the information sources from which plant pest records have been compiled** (e.g. NPPOs, other national and local government agencies, research institutions, universities, scientific societies (including amateur specialists), producers, consultants, museums, the general public, scientific and trade journals, unpublished data and contemporary observations).	**1.** [enter free text here] **2.** [enter free text here] **…**[Add additional points here]
5	**Rate the sufficiency of resources required for general pest surveillance:**	**Check one appropriate response e.g. [X]**
		[ ] Not at all [ ] Marginally [ ] Intermediate [ ] Sufficient [ ] More than Sufficient
6	**Is there a service for the public to have pests identified?**	Y [ ] N [ ]

E. Specific surveys

1	**Is there a specific manager with overall responsibility for Surveillance activities?**	Y [ ] N [ ]
2	**Is the pest surveillance manager trained in management?**	Y [ ] N [ ]
3	**How many plant species or plant products grown in the country are officially surveyed for pests on a regular basis?**	[enter number]
4	**List the plant species using scientific names (genus and species).**	**1.** [enter free text here] **2.** [enter free text here] **…**[Add additional points here]
5	**Identify the organization, government department or other body who decides which plant species or plant products grown in the country are officially surveyed for pests:**	[enter free text here]
6	**List three main reasons for initiating a specific survey?**	**1.** [enter free text here] **2.** [enter free text here] **3.** [enter free text here]
7	**Are there agreements between the NPPO and industry (or private institutions) to cover expenditures for surveys?**	Y [ ] N [ ]
8	**Are there agreements between the NPPO and public institutions or agencies to cover expenditures for surveys?**	Y [ ] N [ ]

9	**Are these agreements for:**	**Check one appropriate response for each e.g. [X]**
	specific surveys,	Y [ ] N [ ]
	surveys related to outbreaks,	Y [ ] N [ ]
	surveys related to PFA, ALPPs etc	Y [ ] N [ ]
	Other (Please specify)	[enter free text here]
10	**Are the specific pest surveys procedures described in an operational manual or plan?**	Y [ ] N [ ]
11	**Are the performance, efficiency, efficacy and relevance of those manuals or plans periodically evaluated?**	Y [ ] N [ ]

F. Pest Diagnostics

1	**Is the NPPO the sole provider of pest diagnostic services in the country?**	Y [ ] N [ ]
2	**Is the pest diagnostic laboratory (ies) optimally situated in the country so that it takes into account the geographic demand for laboratory services?**	Y [ ] N [ ] To a certain extent [ ]
3	**If more than one NPPO laboratory exists in the country, are they managed centrally at the national level?**	Y [ ] N [ ]
4	**Does the NPPO's laboratory cooperate through formal arrangements with other non-NPPO laboratories or institutions inside the country for pest diagnostics?**	Y [ ] N [ ]
5	**Does the NPPO's have formal arrangements with other laboratories or institutions outside the country for pest diagnostics?**	Y [ ] N [ ]
6	**Does the NPPO use virtual diagnostics, i.e. transmission of images of pests to a central diagnostic service inside or outside the country?**	Y [ ] N [ ]
7	**Does the laboratory verify its performance/results with other pest diagnostic laboratories inside or outside the country?**	Y [ ] N [ ]
8	**Is the NPPO pest diagnostic laboratory accredited to formal ISO standards e.g. ISO 17025?**	Y [ ] N [ ]
9	**Are other pest diagnostic laboratories in the country accredited to formal ISO standards e.g. ISO 17025?**	Y [ ] N [ ]
10	**Are staff sufficiently qualified and trained to perform pest diagnostics and use relevant laboratory equipment, analytical methods, etc necessary to support the pest surveillance activities?**	Y [ ] N [ ] To a certain extent [ ]
11	**If any, which of the following professions are <u>missing</u> in the NPPO's pest diagnostics service?**	**Check <u>as many</u> appropriate responses e.g. [X]**
	Entomology	[ ]
	Plant Pathology (Bacteriology)	[ ]
	Plant Pathology (Mycology)	[ ]
	Plant Pathology (Virology)	[ ]
	Nematology	[ ]
	Weed Science	[ ]
12	**Are there documented procedures for: sampling, sample delivery, intermediate storage and disposal?**	Y [ ] N [ ] To a certain extent [ ]
13	**Are there documented procedures for: diagnostics, traceability, reporting etc?**	Y [ ] N [ ] To a certain extent [ ]
14	**Are all samples submitted managed in accordance with those procedures?**	Y [ ] N [ ] To a certain extent [ ]
15	**Does the laboratory provide to the pest surveillance staff collection kits for different types of specimens and samples?**	Y [ ] N [ ]
16	**Do the NPPO's phytosanitary surveillance plans take into account the required laboratory support?**	Y [ ] N [ ] To a certain extent [ ]
17	**Does the laboratory staff participate in the preparation of the NPPO's pest surveillance plans?**	Y [ ] N [ ] To a certain extent [ ]

18	**Who pays for pest diagnostics services?**	**Check one appropriate response e.g. [X]**
	Government	[ ]
	Variable – Mostly Government	[ ]
	Variable – Mostly Private Sector	[ ]
	Private Sector	[ ]
	Other (please describe)	[enter free text here]
19	**When planning for pest surveillance, are pest diagnostics services that might be needed costed separately?**	Y [ ] N [ ]
20	**Does the laboratory staff provide training on taking samples and field recognition of pests and their symptoms to staff involved in pest surveillance?**	Y [ ] N [ ]
21	**How frequent are training programs for staff involved in pest diagnostics?**	**Check one appropriate response e.g. [X]**
		[ ] No programmed training [ ] Once every 5 years [ ] Once every 3 years [ ] Once every two years [ ] At least once per year

G. Resources

1	**What is the total annual investment being currently made by the NPPO to conduct Pest Surveillance (USD)? Please make the best guess possible?**	[enter number here]
2	**Estimate the total annual investment (USD) being made by other public or private organizations, agencies or departments (non-NPPO) to conduct pest surveillance in the country? Please make the best guess possible?**	[enter number here]
3	**What percentage (%) of the NPPO budget is allocated to cover salaries of those involved in the pest surveillance programme?**	[enter number here]
4	**What is the contribution of industry (private sector)to surveillance as a percentage (%) of the total NPPO pest surveillance budget (best guess)?**	[enter number here]
5	**Rate the sufficiency of other resources (vehicles, traps, lures, samplers, GPS, etc) required to operate the pest surveillance program:**	[ ] Not at all [ ] Marginally [ ] Intermediate [ ] Sufficient [ ] More than sufficient
6	**Of the staff of the NPPO officers undertaking general or specific surveys, how many are in the following categories of qualification?**	**Enter a number for each category in the spaces below**
	Doctoral or equivalent:	[enter number here]
	Master or equivalent:	[enter number here]
	Bachelor or equivalent:	[enter number here]
	Lower than bachelor level:	[enter number here]
7	**Rate the current NPPO's pest surveillance program current human resources capacity in terms of numbers:**	**Check one appropriate response e.g. [X]**
		[ ] Very weak [ ] Weak [ ] Average [ ] Good [ ] Very Strong
8	**Rate the current NPPO's pest surveillance program current human resources capacity in terms of qualifications and skills:**	**Check one appropriate response e.g. [X]**
		[ ] Very weak [ ] Weak [ ] Average [ ] Good [ ] Very Strong

9	**Are those human resources sufficient to carry out the activities according to the NPPO's requirements for pest surveillance?**	**Check one appropriate response e.g. [X]**
		[ ] Not at all [ ] Insufficient [ ] With Difficulty [ ] Almost [ ] Completely
10	**Who pays for the specific surveys to be conducted?**	**Check one appropriate response e.g. [X]**
	Government	[ ]
	Variable – Mostly Government	[ ]
	Variable – Mostly Private Sector	[ ]
	Private Sector	[ ]
	Other (please describe)	[ ]
11	**What proportion of the staff assigned to carry out pest surveillance have been specifically trained to do so?**	**Check one appropriate response e.g. [X]**
		[ ] None [ ] 25% [ ] 50% [ ] 75% [ ] All
12	**How frequent are training programs for staff involved in pest surveillance?**	**Check one appropriate response e.g. [X]**
		[ ] No programmed training [ ] Once every 5 years [ ] Once every 3 years [ ] Once every two years [ ] At least once per year

H. Open ended feedback

1. List five things that affect your country's ability to conduct effective pest surveillance in order of priority (1=Highest):

1. [enter free text here]
2. [enter free text here]
3. [enter free text here]
4. [enter free text here]
5. [enter free text here]

2. List a maximum of 3 things you would like to see improved in ISPM6 – guidelines for pest surveillance:

1. [enter free text here]
2. [enter free text here]
3. [enter free text here]