POARS: Roadmap for early warning, prevention, preparedness, response, and recovery for emerging pests

| **Action** | **Timeline** | **Responsible** | **Indicators** |
| --- | --- | --- | --- |
| **Early warning,** |  |  |  |
| **Conduct monthly meetings with relevant RPPOs** to discuss pest situations from NROs and horizon scanning. | Monthly | IPPC Secretariat | List of pests |
| **Receive nominations or request for assess pests** | Continuous and as per demand |  |  |
| **Issue a pest alert** (short) when relevant pest situations are identified through NROs or Horizon Scanning (e.g. continental jump) or nominations | Continuous | IPPC Secretariat | Number of alerts issued |
| **Publish the lists of pests** under assessment in the POARS page. | Within 15 days of detection/report | IPPC Secretariat | # of pests under assessment |
| **Assess identified pests** against the respective criteria for identifying pests of global concern | Within 2 months of report/nomination | IPPC Secretariat and/or POARS SG/EWG, | Percentage of assessed pests vs. proposed as emerging pests |
| **Validate outcome of the assessment he pest as a global concern** through the POARS Steering Group (SG). | Up to 3 months after the report/nomination | IPPC Secretariat, POARS SG | # of pests determined as emerging pests |
| **Publish the output** of theassessments on the POARS page | Up to 3 months after the report/nomination | IPPC Secretariat, | 3 of assessments published |
| **Issue a call for resources and collaborations, when relevant** (including surveillance, diagnostics, PRA, phytosanitary measures, treatments, import inspections, and diagnostic protocols, contingency plans, awareness-raising templates and materials) | As needed | IPPC Secretariat | Number of resources collected |
| **Initiate targeted horizon scanning** for specific pests determined as emerging pests of global concern | Continuous | IPPC Secretariat and partners on HS | Horizon scanning reports produced |
| **Follow up with NPPOs to verify unofficial reports** of emerging pests | Continuous | IPPC Secretariat | Number of confirmed reports |
| **Establish an Expert Working Group (EWG)** for the respective emerging pest | Up to 2 months after the pest is determined as EP | IPPC Secretariat, | Number of EWGs established |
| **Conduct a gap analysis** of resources and materials by populating a pest matrix or database | Within 3 months of report/nomination | IPPC Secretariat and EWG | Updated matrix availability status |
| **Issue an Emerging Pest Alert** with updates on biology, ecology, and risks | As needed | IPPC Secretariat | Number of alerts released, engagement metrics |
| **Develop a global geographical map of emerging pests** | 6-12 months | IPPC Secretariat and EWG | dashboard usage |
| **Prevention** |  |  |  |
| **Develop a dedicated toolbox on the IPPC POARS webpage** for the specific pest, providing centralized access to essential resources, guidelines, diagnostic tools, surveillance protocols, and response strategies | Up to 2 months after the call for resources | IPPC Secretariat | The pest-specific page  #toolboxes created and updated for specific pests.  #Number of tools and resources added per pest. |
| **Development guidelines** on prevention, preparedness and response for emerging pests of global concert (includes guidance on regulatory options, on phytosanitary measures, treatments, and inspections, detection and diagnosis) | 6-12 months | EWG | Guidelines published, stakeholder feedback |
| **Coordinate with relevant bodies** when Diagnostic Protocols (DPs) are required under ISPM 27 or when a Phytosanitary Treatments (PTs) is required under ISPM 28 | As needed | IPPC Secretariat and EWG | New DPs and PTs |
| **Preparedness** |  |  |  |
| **Develop checklists for contingency and emergency actions** for each emerging pest of global concern | 3- 6 months | EWG | A checklist is posted in pest POARS apge |
| **Develop emerging pest-specific contingency plans and outbreak scenarios** to be adapted at regional or national levels | As needed | EWG | # of contingency plans |
| **Develop and deliver a training program** for emerging pest detection and management, including webinars and face-to-face workshops on prevention, preparedness, and response | 6-18 months | EWG | # of individuals trained  Webinars/workshop participation rate and engagement metrics |
| **Design and carry out simulation exercises** (partnering with FAO, RPPOs, NPPOs, international organizations, academia, and research institutions as needed) | If decided and resources are available within 6 – 24 months | IPPC Secretariat and EWG | # of simulations conducted |
| **Develop awareness-raising templates and materials,** including pest factsheets and high-quality visuals. | Continuous | IPPC Secretariat | Number of awareness materials created |
| **Advocate for financial resources** to be readily available to support emergency responses. | Continuous | IPPC Secretariat | Figure of financial resources secured |
| **Response** |  |  |  |
| **Coordinate the establishment of regional Outbreak Advisory Groups (Commando Team)** involving NPPOs, RPPOs, International Experts, International organizations, academia, and research institutions, private sector as needed. | When needed within 3 – 18 months | IPPC Secretariat | Number of advisory groups established and activated |
| **Coordinate regional containment measures** by harmonizing actions across NPPOs, RPPOs, and subregional offices | When Outbreak Advisory Groups are created | Regional Outbreak Advisory Groups | Number of coordinated containment actions implemented |
| **Mobilize technical assistance** | When resources are available within 3 – 18 months | IPPC Secretariat | Number of NPPOs supported  Number of experts utilized for emergency response. |