

MuseumPests.net

A Product Of The Integrated Pest Management Working Group

Standards & Best Practices Grid

This document is a matrix mechanism to help people developing IPM plans target information to the “super-groups” involved in the funding and execution of these plans. On the vertical axis, the grid identifies the categories of people within an institution who have to be influenced in order for a plan to be successfully implemented. Along the horizontal axis are examples of the responsibilities of each of these groups, and the sort of arguments and incentives that can be deployed in each case to ensure their cooperation.

Super-Group	What should they do for Collections IPM?	What is their incentive?	What tools/arguments can we use to affect this incentive?
Administration	<p>Identify IPM as an institutional priority, this should get up to the level of trustees and then to all staff</p> <p>Ties to city government could be effective through local sanitation and health regulations.</p> <p>Allocate funding to get IPM on capital plans for infrastructure/repair, monitoring services, education</p> <p>Reinforce primary IPM nature of custodial work</p> <p>Recognize hidden IPM threat and subsequent costs in events & construction</p>	<p>Allocation of funds to support an essential and effective IPM program with measurable results should convince them that this will save them money and meet</p> <p>Convince them that they're preserving collections value & saving staff time (triage)</p> <p>Improve staff health by reduction in pesticide use, allergen exposure, pest borne disease.</p> <p>Recognize public relations issues with infestation such as passing pests on to other institutions, health audits, and accreditation.</p>	<p>Examples of successful studies Cost Analysis of IPM activities. Risk Assessment</p> <p>Quantify: IPM time allocation, hazards learned from trapping and inspections, history and extent of damage to collection by pests, remediation costs.</p>
Building Management (custodial, HVAC, construction, grounds, shipping)	<p>Custodial Services (this is the primary line of defense) – reporting pest sightings (with basic training), identify frequency of</p>	<p>Elevated status for custodial in eyes of administration.</p> <p>Construction leaves institutions</p>	<p>Training packages showing what is needed from building management for effective IPM. This is what could happen if we don't get it. How IPM</p>

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	<p>duties by zone, more involved in monitoring</p> <p>Construction - pest management clause in contracts (seal off affected area to a standard, cleanliness/sanitation levels, etc.)</p> <p>Shipping – monitor/look for problems, reporting, know regulations</p> <p>Grounds – knowledge about exterior plant design, choice of plants, reporting</p> <p>HVAC – window policies, opening screens, filtration standards, maintenance.</p> <p>Exterior door seal choices, installation and maintenance, bird nettings etc.</p>	<p>vulnerable to pests (and other hazards). Administration will want Building Management to exercise due diligence in protecting the collection from harm.</p> <p>International traffic in pest organisms attached to goods is becoming more regulated as it is recognized as a serious economic hazard. Crating and shipping staff will be responsible for meeting regulations.</p> <p>Some pests are indicators of building mould problems. Mould remediation is a costly problem. Early detection of building mould is a potential cost savings. Prevention preserves human health.</p>	<p>coordinates with mitigating other hazards.</p> <p>Develop templates of IPM related inclusions for contracts.</p>
Security & Safety	<p>In their role of visitor and staff control, security performs policy enforcement and reporting functions. IPM needs to be tied more intimately to security for the following benefits: keeping doors closed, noticing pest activities at night, restricting food use to allocated places.</p> <p>Safety: fumigation alarms tied to security system alarm panel, freezer alarms, monitor external</p>	<p>IPM offers a lowering of use of hazardous chemicals, restriction of pesticides and the reduced need for giving applicators access to collections areas.</p> <p>Security and IPM can assist each other by staying current on legislation and providing safer alternatives to the institution. Help with handling issues.</p>	<p>Develop training materials on basic IPM awareness, identification, and useful contribution through reporting pest sightings.</p> <p>Link to sources of fumigant transport, use and pesticide use regulations and develop template policies to ensure artifact safety.</p>

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	<p>door closure (seal against miscreants and pests).</p> <p>Hazardous materials (pesticides, fumigants) often under security concern as 'Director of Safety'.</p>		
External Vendors (food services, events, shops)	<p>Follow wording of contracts (with vendors, catering etc.)</p> <p>Report detection of pest problems with their inventory or locale.</p> <p>Follow IPM requests for events, facilitate custodial activities.</p>	<p>A good working relation between institution and the vendor will lead to future business. An informed vendor, sensitive to institutional concerns is more likely to be engaged. The institution should be equally gracious in any forthcoming information on revealed pest problems.</p>	<p>Develop contract templates to note proscribed behaviors, timely clean up etc.</p> <p>Develop training materials for events that deal with proper quarantine inspection of incoming goods and post event handling of flowers, garbage, prop materials etc. Integrate with custodial training.</p>
Collections/Research (staff, researchers)	<p>Include IPM in loan policy, visitor policy, treatments Reporting function - External researchers, contractors, visitors – they're the ones using the collections.</p> <p>Separate offices from collections to zone areas of IPM control.</p>	<p>Do unto others... Collections staff should be the most sensitive to pest hazards, and are the most exposed to pest control methods, historical or presently used.</p> <p>Professional standards should ensure that modern IPM methods are incorporated into everyday practice.</p>	<p>Training staff & researchers in basic IPM principles and local practices, hazard awareness and handling precautions to protect them against pesticide residuals.</p> <p>Develop example IPM programs that can be adopted and adapted by line collection staff in various collection types.</p>
Exhibitions & Education	<p>Education –could be a partner in what we're doing in IPM education. Teaching collections need to follow same standards as main collections, but often with more diligence due to risk (hopefully well controlled) of</p>	<p>Ability to use collections safely in the course of their professional programs, extended ability to showcase 'backroom' collection care methods to the public. Impart a sense of ownership to visiting public in reducing the hazard from</p>	<p>Develop training package for education staff on IPM principles that could be applied to household use, and interpretation material on museum pests and how modern museums cope with them in a 'low impact' way.</p>

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	<p>exposure to untrained public and short term volunteers (e.g. arsenic treated specimens)</p> <p>Exhibitions contract/loan issues, case design integrating IPM principles (insect barrier, access for inspection, no hidden areas etc.), maintenance, on site construction, IPM needs to be part of the design process and have a review function in a positive role from the outset, rather than a solely remedial role.</p>	<p>pests to augment the security role in enforcement of policies (example: food use)</p>	<p>Suggest IPM program for interpretive support materials, such as dress up clothing (example: awareness of lice control methods) and collection elements.</p>
Human Resources	<p>Staff training could occur at orientation (volunteers, interns, students, staff)</p>	<p>Assisting professional staff development is part of their job. Knowledge of professional competencies is part of their managing staff hiring and promotion processes.</p>	<p>Develop explanations on IPM functions and suggest sample IPM related inclusions for job descriptions.</p>