

US EPA ARCHIVE DOCUMENT

# MAY 2012 PPDC IPM working group report

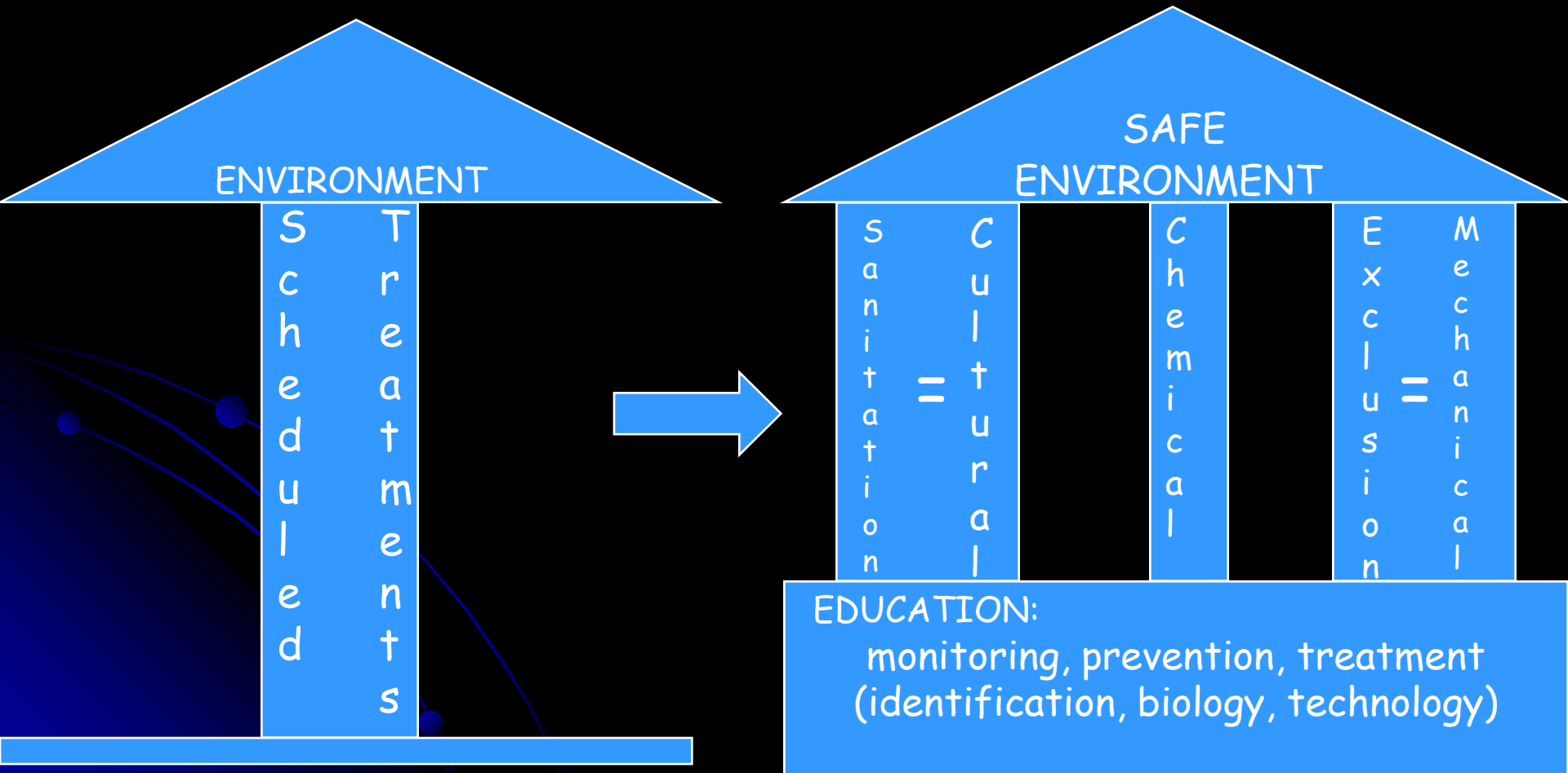


# CONTENTS:

- Sub group one - Marc 3hours...
- Sub group two - Tom
- General Comments - Cindy
- NRCS - Tom



# A Shift to an IPM Program



# A safe learning environment



*Subgroup 1 - Finalizing the development of metrics to assess the effectiveness of the new School IPM initiatives*

- "assess the effectiveness" = accountability!
- Management Metrics
- Mission Metrics

# Know where to look?



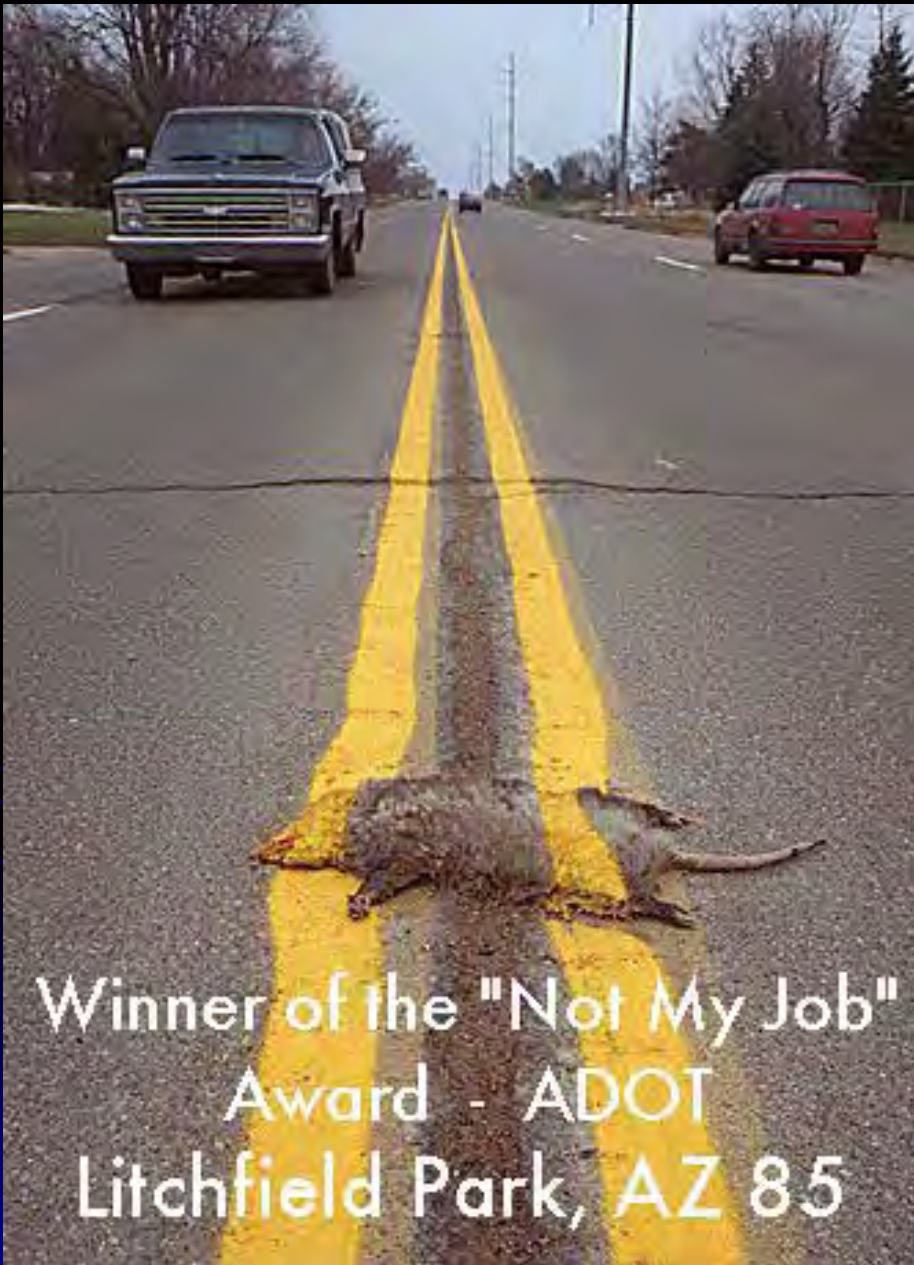
# Management Metrics - Three questions that must be asked and answered in order to successfully implement

- What action is to be taken?
- Who will take that action?
- Do they have the resources to take action?



## What action is to be taken?

- Change agent activities: 5% to 100%?
  - Partnerships established
  - Interactions with school community
  - Development of implementation and risk based stds.



# Pest Prevention is Everyone's Job

Winner of the "Not My Job"  
Award - ADOT  
Litchfield Park, AZ 85

Who will take that action? Internal and External Change agents (Regional coords. And Center of Excellence HQ folk)

- Level of Training for implementation

- Technical - SIPM

- How to get communities to Adopt

# IPM Education for the affected community

- pest ID
- Pest Biology
- conducive condition ID and remediation
- All management alternatives ...and their safe use!



Thus...

# Change Agents

Your "professional" relationship is a Partnership to teach your community how to:

- To prevent pests
- Inspect for pests
- ID and biology
- Monitoring
- To Remove pests
- conducive conditions
- All management alternatives ...and their safe use!



Do they have the resources to successfully implement risk reduction programs schools...and beyond!!!

- The cost effective use of the implementation infrastructure developed
- **TRANSERABILITY**
  - School to child-care to elderly care to hospitals to housing....
  - Risks of pests and pesticides to mold, lead, etc.

Implementers must demonstrate IPM is compatible with the built environment's current operations

- Doing what you do now---just think pests!!!

- Security = monitoring

- Energy conservation = exclusion

- Sanitation = nothing to eat

- Clutter control = no place to live

Food Water Shelter



*Subgroup 2 - Appropriate ways to assess quantitatively the benefits of IPM in agriculture, public health settings, and schools*

**AKA - "MISSION METRICS" to protect human health and the environment.**



# Agenda

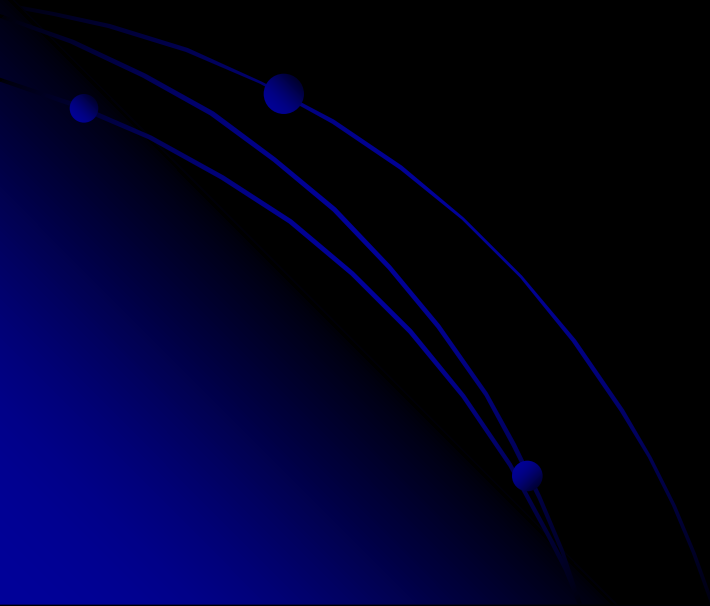
## Discussion and consensus building

- *Managing Pests / Managing risk /Assessing costs*
- *Reviewing case studies submitted from group*
- *Environmental and economic benefits*
- *Who will we see “push back” from?*
- *Who are the partners in agriculture, schools, public health?*
- *How does this fit in with the strategic plan? What would be ideal?*

- Deliverable?

- Report

- Timeline: TBD



# Many Tools available

- Logic models, <http://www.ipm.gov/LogicModels/>
  - Short, intermediate, long-term environmental, health and economic impacts
- Best Management Practice/IPM Elements, Guidelines
  - PMSP
  - American Mosquito Control Association. 2009. *Best Management Practices for Integrated Mosquito Management*. 8 pp.
  - IPM Elements and Guidelines for more than forty crops. <http://www.ipmcenters.org/ipmelements/index.cfm>
- Case Studies
  - American Mosquito Control Association PESP reports
  - Maryland Pesticides Network/Beyond Pesticides IPM in Healthcare
  - Peter Ellsworth presentation at IPM Symposium on cotton IPM in Arizona
- Reports
  - E.g., Sorenson, A. 1993. *Regional Producer Workshops: Constraints to the Adoption of IPM* National Foundation for Integrated Pest Management Education, Austin, TX.
  - 2012. *Ecosystem Services: Charting a Path to Sustainability*. National Academies Press. 136 pp.
  - USDA NRCS Conservation Effects Assessment Program. Watershed based IPM practice surveys; modeled impacts and potential impacts.
  - State-specific IPM reports, e.g., Allen, C. 2011. *Information About Texas and the Texas IPM Program*. 19 pp.
  - IPM Fact Sheets. [http://www.ipmvoice.org/resources\\_links.htm](http://www.ipmvoice.org/resources_links.htm)

# Discussion

## ● Challenges

- IPM adoption well below potential
- Weather, efficacy, costs drive adoption
- Constraints to adoption detailed in a number of reports, IPM Institute will provide bibliography
  - Include lack of technical assistance, information, economic risk...

## ● Example measures

- Number of pesticide applications
- Number of pest complaints
- Tick-borne disease incidence
- Frequency of loss of pesticides to resistance
- Frequency of conditions conducive to rodent infestation

# Discussion (continued)

- IPM is a key part of sustainability, needs to be included and not lost in these efforts.
- Where else has EPA been successful in gaining adoption that we could use as model?
- Effective public sector collaboration is key.
- Training is essential,
  - EPA could team up with others on IPM and public health training
  - ASPCRO has training resources

# General Discussion

- Consensus in the workgroup that IPM is a very good thing and should be used in schools, hospitals, day care centers, etc. and continue to be used in Ag
- Metrics -start with a baseline (some exist already), finalize some key metrics and gather information
- In addition to gathering information on metrics - also gather information on what works and why

# Requires Community Action!

- Brainstorm ways to improve adoption of IPM in more settings
- Identification of barriers
- Share case studies - Hospital, Apple Growers and Mosquito Control
- Easy and user friendly communication options - developing/utilizing easily understandable materials, making them readily available and provide for easy implementation

# Next Steps

- Finalize metrics for School IPM by the next PPDC
- Form a subgroup to work on ways to improve adoption of IPM
- Train EPA staff involved in this issue more about IPM –what it is and what it isn't –specific examples of IPM used in schools



# Before we can finalize....Next Steps

- Need for BPPD to flesh out their strategic plan in terms of timelines, agency performance requirements, etc.
  - Need to incorporate and standardize Regional workplans, etc.
- Need for input from other/former workgroup metrics – ESA, Pollinator, Public Health, etc.

# THE END

