# Overview of the Lead Paint Alliance Regulatory Toolkit

Central and Eastern Europe and Central Asia Regional Workshop on the Establishment of Legal Limits on Lead in Paint 19-20 May 2016, Chişinău, Republic of Moldova





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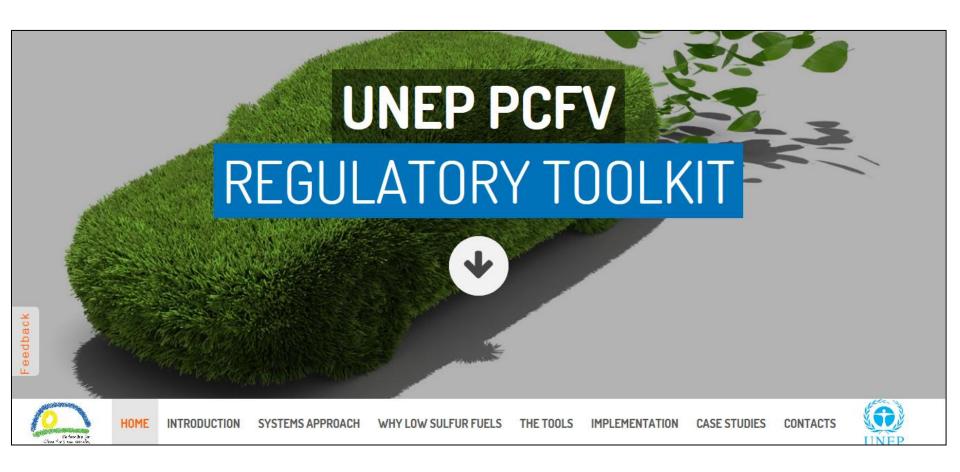




## Successful Toolkit Example



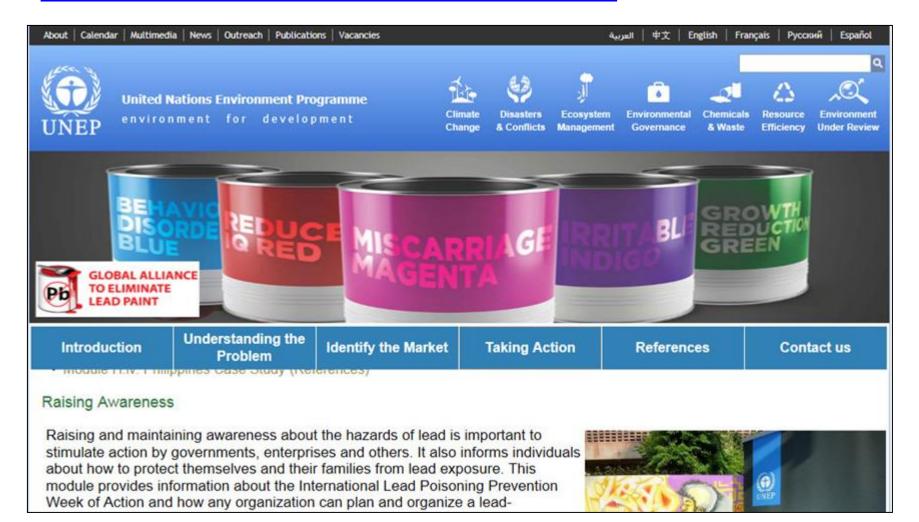
http://www.unep.org/Transport/new/PCFV/RegulatoryToolKit/



## Toolkit for Establishing Laws to Control the Use of Lead in Paint



www.unep.org/chemicalsandwaste/noleadinpaint/toolkit



# Introduction to the Lead Paint Alliance Regulatory Toolkit

- Developed by a group of partners of the Global Alliance to Eliminate Lead
   Paint (Lead Paint Alliance)
- Contributions from industry, intergovernmental and nongovernmental organizations and government representatives
- Designed to provide information to government officials and stakeholders who are interested in understanding the issue of lead in paints and galvanizing actions to establish legal limits for lead in paints in their countries
- Explains why lead is a public health and environmental concern, provides information on current testing methods, describes the existing market, and illustrates how to take actions to establish regulations on lead in paint

### **Overview of the Toolkit**



Understanding the Problem	Identifying the Market	Taking Action
Part 1	Part 2	Part 3









Why is lead added to paint?



Health, Environmental, and **Economic Impacts of Lead** in Paint



Health **Hazards**  **Environmental Impacts** 



**Economic Costs** 



**Measuring Lead Exposure** 



Lead in Blood (C.ii.



**Lead in Paint** 

Lead compounds may intentionally be added to paint to create bright colors, produce hard and glossy surfaces, resist corrosion, and increase durability. However, these lead additives create a source of major lead exposure.

## Part 1. Understanding the Problem







Why is lead added to paint?



Health, Environmental, and Economic Impacts of Lead in Paint



Health Hazards







**Measuring Lead Exposure** 



Lead in Blood (C.ii.



Lead is a cumulative toxicant that has harmful effects on multiple body systems. Children are especially vulnerable, and damage to the neurological system may be permanent. Currently there is no known threshold for toxic effects. Lead is also known to bioaccumulate in terrestrial and aquatic organisms, and to have toxic impacts on the ecosystem. Lead exposure creates significant costs to individuals, communities, and nations.

## Part 1. Understanding the Problem





Lead in Blood (C.ii.

Lead in Paint

Levels of lead in blood indicates the actual lead exposure of individuals. Levels of lead in paint can indicate an actual or potential source of lead exposure. Analytical methods with varying limits of detection, accuracy, costs, and technical requirements are available for measuring lead content in blood and paint.



#### **Identifying the Market**



**Industry Perspective on the Elimination of Lead Paint** 



Alternatives to Lead Use in Paint



**Lead Paint Studies in Developing Countries** 



**Challenges for Small and Medium-Sized Enterprises** 

The paint manufacturing industry supports the need for government restrictions on lead use in decorative paints in every country. Reformulation of decorative paints is feasible to eliminate lead use, and technical and cost impacts are manageable.



#### **Identifying the Market**



**Industry Perspective on the Elimination of Lead Paint** 



Alternatives to Lead Use in Paint



Lead Paint Studies in Developing Countries



**Challenges for Small and Medium-Sized Enterprises** 

Cost-effective reformulation alternatives are available for all lead-containing paint ingredients. A high retail price is not necessarily a guarantee for low lead content of the paint.



#### **Identifying the Market**



**Industry Perspective on the Elimination of Lead Paint** 



Alternatives to Lead Use in Paint



**Lead Paint Studies in Developing Countries** 



**Challenges for Small and Medium-Sized Enterprises** 

Paints with extremely high levels of lead (> 10,000 ppm) are still available in most developing countries.



#### **Identifying the Market**



**Industry Perspective on the Elimination of Lead Paint** 



Alternatives to Lead Use in Paint



**Lead Paint Studies in Developing Countries** 



**Challenges for Small and Medium-Sized Enterprises** 

Although alternatives to lead paint are available, SMEs face unique obstacles, such as accessing the appropriate substitute ingredients in the right quantities at a competitive price and getting the information on how to reformulate.







Many countries have enacted laws or regulations to control the manufacture, use, and sale of paints with added lead. Case studies are provided to demonstrate various perspectives from countries that have worked to prevent exposure to lead from paint.







Raising awareness about the hazards of lead is important to stimulate action by governments, paint manufacturers and the public. Since 2012, the last week of October has been established as International Lead Poisoning Prevention Week. Ideas are given for awareness-raising activities about lead poisoning to urge further action to eliminate lead in paint.







Regulations have proven effective in controlling or eliminating the use of lead in paints in many countries, resulting in reductions in cases of lead poisoning. Key principles are presented for ensuring the development of effective and enforceable legal limits on lead in paint.

### Overview of the Toolkit







Why is lead added to paint?



Health, Environmental, and **Economic Impacts of Lead** in Paint



**Environmental Hazards Impacts** 









#### **Identifying the Market**



**Industry Perspective on the Elimination of Lead Paint** 



Alternatives to Lead Use in



**Lead Paint Studies in Developing Countries** 



**Challenges for Small and Medium-Sized Enterprises** 

#### **Taking Action**



**Case Studies on Existing Lead Paint Laws** 



European Union



**United States** of America



**Philippines** 



South Africa IN PREPARATION



**Raising Awareness** 



**Establishing a Legal Framework to Regulate** Lead in Paint

### **Brochure – Now Available!**





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**THANK YOU!**