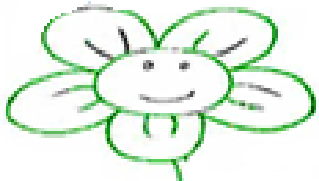


جمعية التربية البيئية للأجيال القادمة



AEEFG



a toxics-free future



من أجل وقاية أطفال تونس من الرصاص

# Phase out Lead in paint in Tunisia

# Paints contain

- **Pigment(s)** - prime pigments to impart colour and opacity
- **Binder (Resin)** - often referred to as resin, forming a matrix to hold the pigment in place
- **Extender** - larger pigment particles added to improve adhesion, strengthen the film and save binder
- **Solvent** either an organic solvent or water is used to reduce the viscosity of the paint for better application.
- **Additives** - used to modify the properties of the liquid paint or dry film
- Lead can also be unintentionally added through contaminated paint raw materials

Lead

Added unintentionally

# Campaign in Tunisia



30 samples of 16 different brands from market

Protocole to  
prepare samples  
for analysis



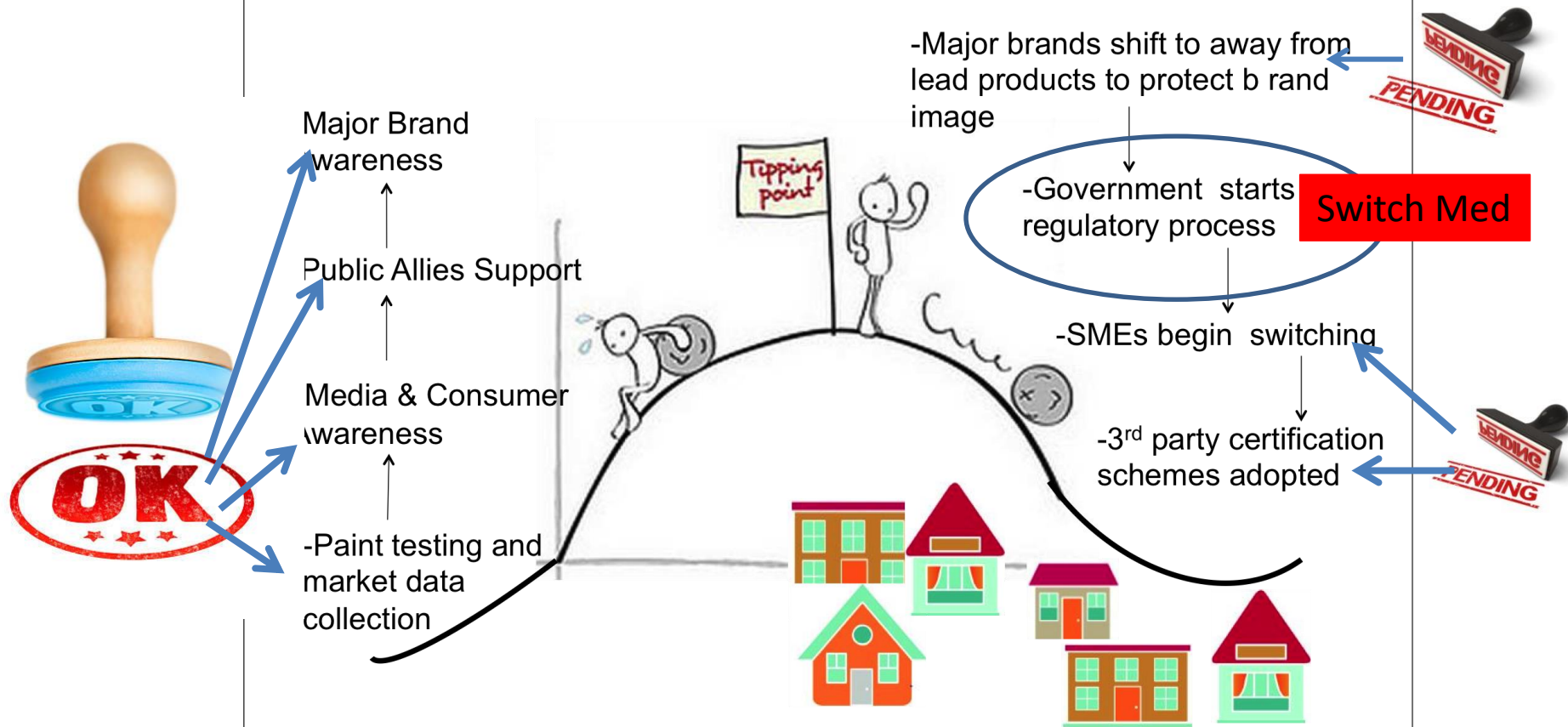
Lab analysis

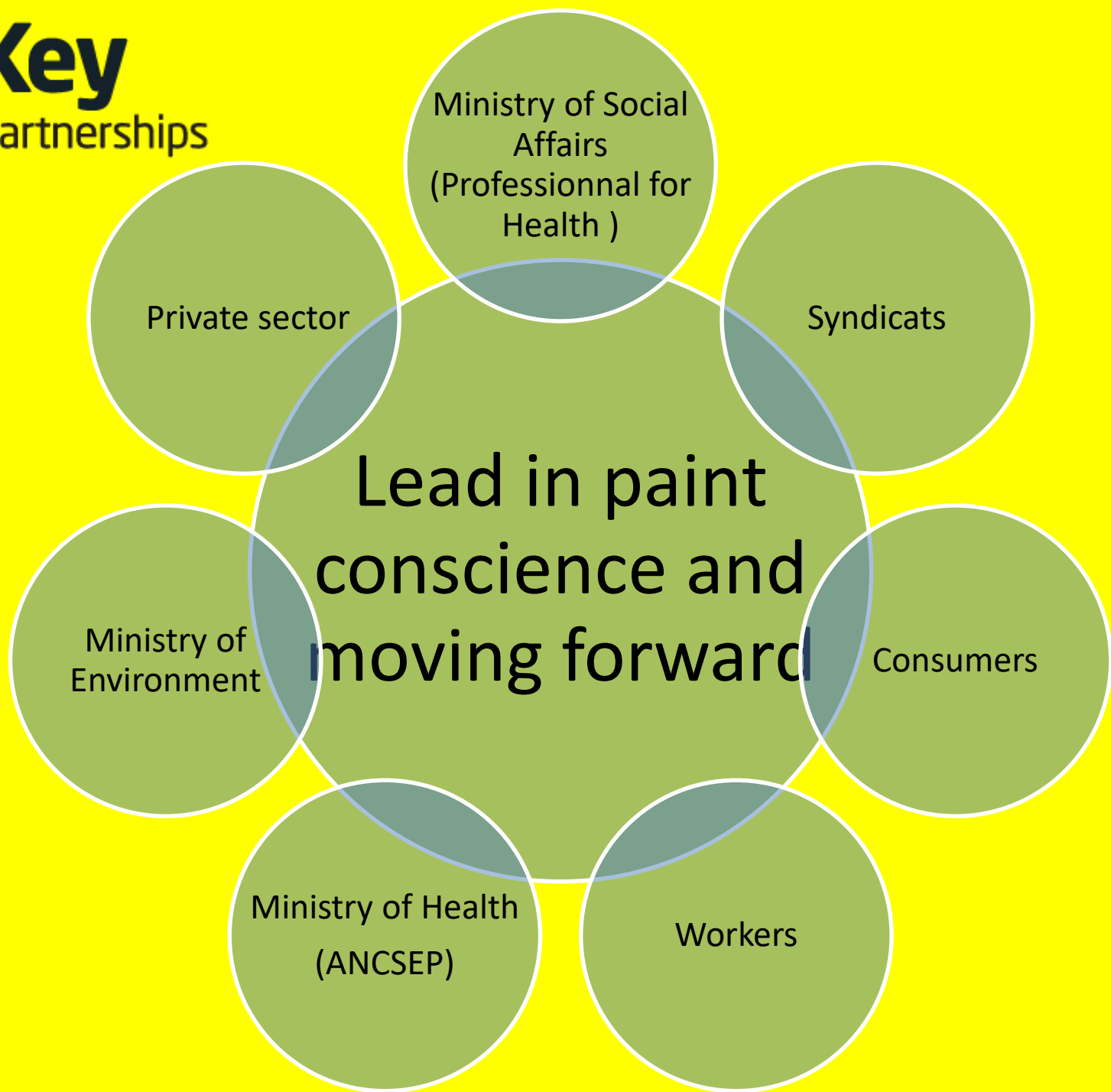
This is the first time that data on the lead content of Enamel Decorative paints for sale in Tunisia have been collected and released to the public

Nombre d'échantillons	Moyenne (ppm)	%>90 ppm	%>600 ppm	%> 10,000 ppm	Maximum ppm
3	65	33	0	0	190
1(rouge)	910	100	100	0	910
2	54.500	100	100	100	<b>79.000</b>
3	12.400	100	100	67	29.000
3	25	0	0	0	25
1(bleue)	870	100	100	0	870
2	2900	100	100	0	3100
4	43.000	100	50	25	<b>170.000</b>
1(jaune)	9300	100	100	0	9300
4	10.500	100	100	25	31.000
1(vert)	35.000	100	100	100	35.000
1(vert)	110.000	100	100	100	<b>110.000</b>
4	10	0	0	0	17
30	17.600	70	57	27	170.000

# Tunisia situation according to IPEN lead plan

## A Market Based Approach to Lead Safe Paints 3-5 Year National Campaign





# Event June 2018



Economic operators from industrial paint sector  
Decision-makers from different Ministries  
Research centers and universities



# B2B dialogue



# Media

- <http://www.radioexpressfm.com/ecouter/expresso-weekend-avec-mme-samia-gharbi>
- <http://www.journallapresse.tn/23102015/105522/place-aux-normes.html>
- <http://www.kapitalis.com/kapital/18811-une-etude-du-pneue-pointe-le-fleau-du-plomb-contenu-dans-les-peintures-en-vente-en-tunisie.html>
- [www.lapresse.tn/index.php?option=com\\_societe&task=article&id=138339](http://www.lapresse.tn/index.php?option=com_societe&task=article&id=138339)
- [http://www.lapresse.tn/index.php?option=com\\_societe&task=article&id=155180](http://www.lapresse.tn/index.php?option=com_societe&task=article&id=155180)



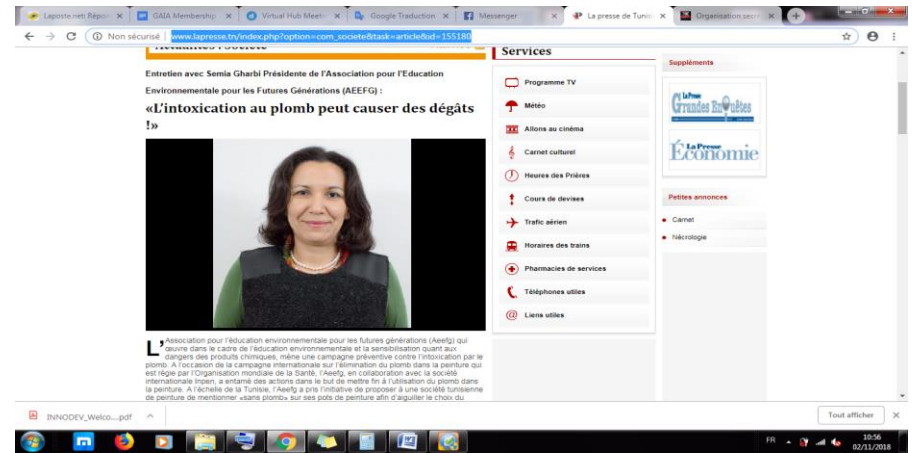
AMENDEMENT DE LA LOI ORGANIQUE RELATIVE À LA LUTTE CONTRE LE TERRORISME ET LA RÉPRESSION DU BLANCHIMENT D'ARGENT

## L'infiltration des groupes terroristes divise les élus

- Faut-il arrêter l'infiltration des groupes terroristes par des repris de justice ?
- Les avis divergent entre les représentants du ministère de l'Intérieur et ceux du département de la Justice
- Le dernier mot reviendra aux députés

INTERVIEW DU CHEF DU GOUVERNEMENT ITALIEN, GIUSEPPE CONTE  
« Nous attendons de la Tunisie qu'elle poursuive son engagement dans le contrôle de ses frontières et dans le rapatriement des migrants irréguliers »

SPORT  
BILLET  
Par Jalel NESTOR



# Results

## Main results:

- Minister of Environment ordered to work on proposal for law to eliminate lead in paint
- Technical guide line

### **Technical Guidelines for replacing lead oxide in anti-corrosives paints in Tunisia**

*July 2018*

# Reactions from paint manufacturers

- Support from Tunisia Industry Association

Raising awareness of the syndicate and they have expressed all their support

- Work with individual manufacturers

 Sans Plomb  
Sans Chromates

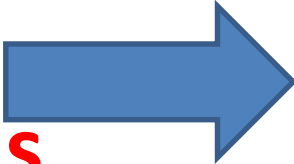
 Sans Plomb  
Sans Chromates



- Support for regulations

from both  
Ministries of Health and Environment

# Obstacles to removing lead

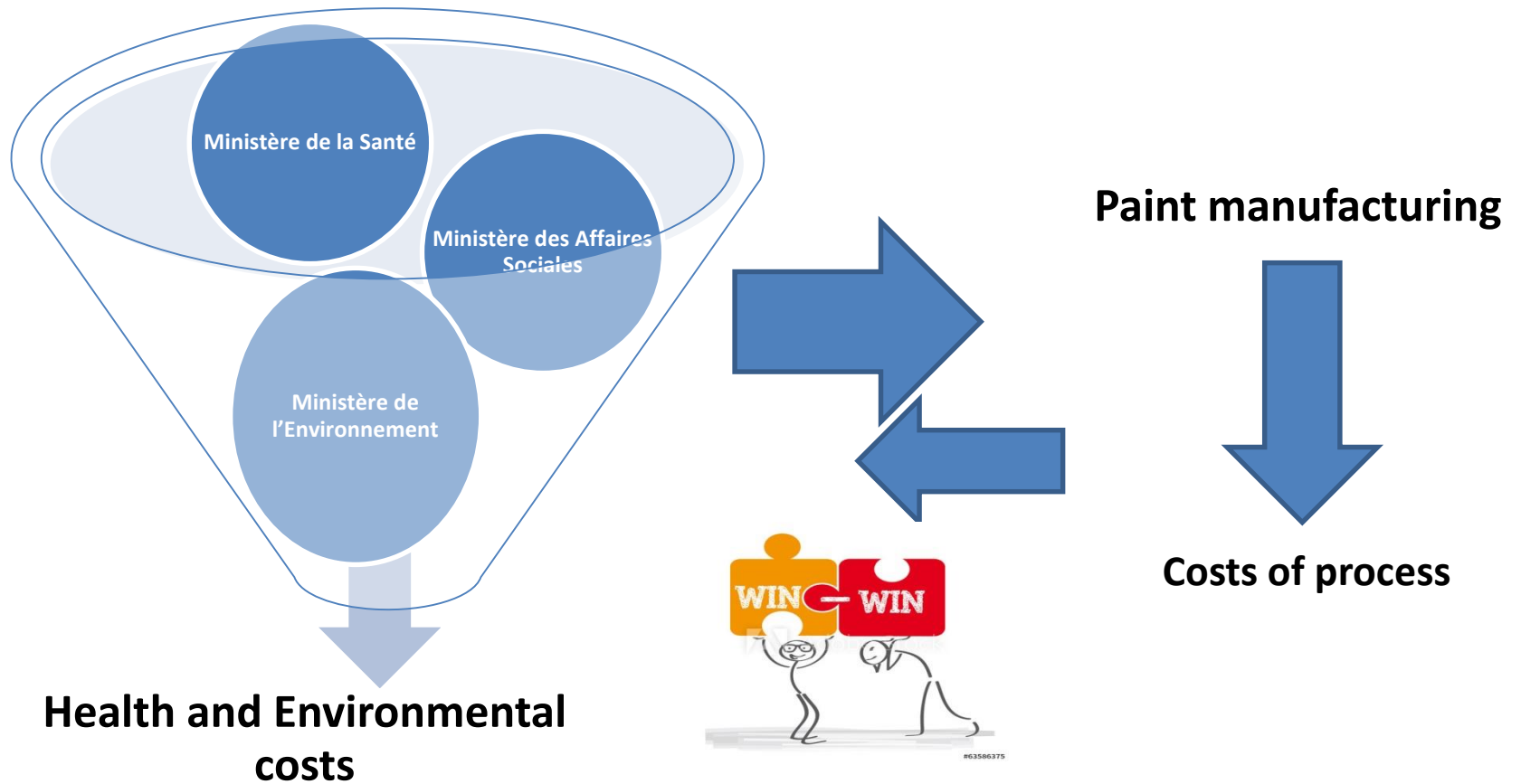
- Access to advice on reformulation
  - Lab access
  - Access to alternatives
  - **Price considerations**
- 

*Is it always more expensive to produce paint without added lead?*

*- No!*

1. Cost of raw materials
2. Time for developing new formulation
3. Cost of new formulation vs
  - Total paint production
  - Profit margin
  - Workers protection
  - Hazardous waste handling
  - Societal costs

# How to phase out lead in paint



**Law on lead in paint increases competitiveness and creates markets outside the country**  
**Lead paint laws provides a level playing field for all manufacturers**  
**Promotion of safe alternatives from Ministry of Health and Ministry of Industry and their subsidories institutions**

# Cost example from one manufacturer

- Lead driers: no increased cost (raw material more expensive but less is needed)
- Red decorative paint: Decrease in cost (70%)
- Yellow decorative paint: Around 25% increase
- Orange decorative paint: Around 50% increase
- However, these types of paints typically small fraction of total paint production

# Key lessons learned from Tunisia

- IPEN created the changes through AEEFG about lead by starting analysis with scientific bases and serious results
- Good communication with arguments will lead to good changes on the ground
- Building very good national relationships with key person from government that pushed for a national survey and analysis (ANCSEP)
- Very good interactions and exchanges with Ministry of Environment as IPEN/AEEFG provided example of law (SAICM focal point)
- Extension of the activities on lead at the regional level with SwitchMed with very good success and impacts

# تكلفة الرصاص

لا يوجد تركيز آمن  
معروف لمستوى  
الرصاص في الدم  
منظمة الصحة العالمية

إنّ التكلفة السنوية للتعرض للرصاص تمكّن من  
بناء و تجهيز **68.000** فصل دراسي كامل



Protect Children:  
Eliminate Lead Paint



Ministry of Education



