

# Workshop on Sound Management of Used Lead Acid Batteries: An Introduction

Osaka, 27 November 2015 Eisaku Toda, UNEP Chemicals and Waste Branch

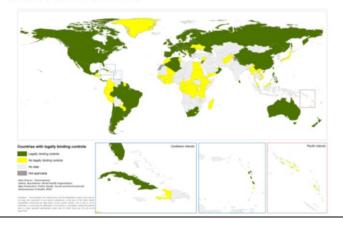
# UNEP Lead and Cadmium Programme

UNITED NATIONS ENVIRONMENT PROGRAMME Chemicals Branch, DTIE

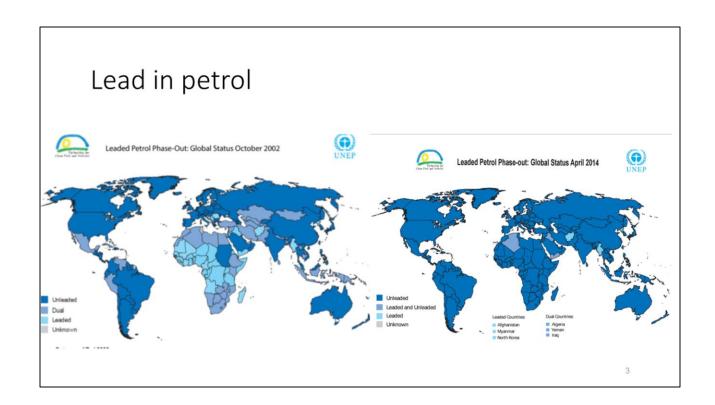
Final review of scientific information on cadmium

Version of December 2010

- ➤ Reviews of Scientific Information on Lead and Cadmium (2010)
- ➤ Partnership for Clean Fuels and Vehicles
- ➤ Lead Paint Alliance

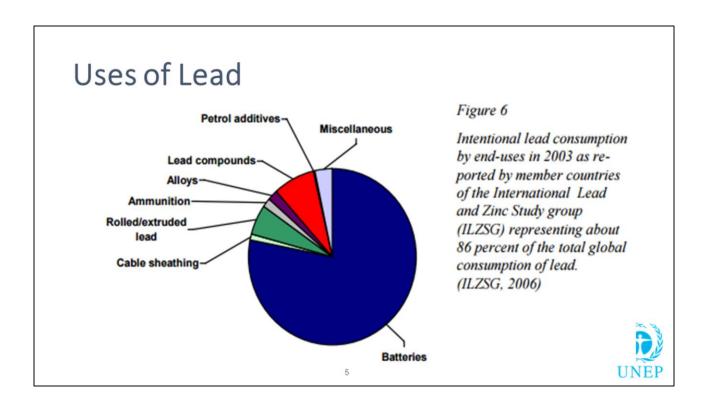


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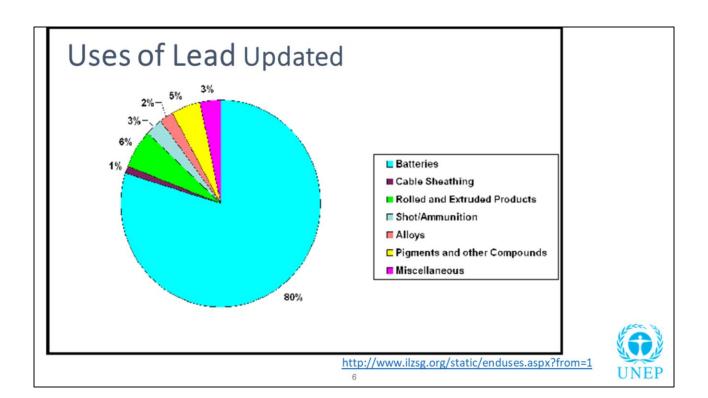


### Compilation on abatement techniques

- UNEP Governing Council in Feb 2013 requested UNEP to compile information on techniques for emissions abatement and on the possibility of replacing lead and cadmium with less hazardous substances or techniques.
- UNEP issued a survey to governments and stakeholders. 22 countries responded, including China, Malaysia and the Philippines (http://www.unep.org/chemicalsandwaste/LeadCadmium/Publications/ DevelopmentofTechniquesforEmissions/tabid/838787/Default.aspx).
- Report will be available before UNEA 2 in May 2016.



1. The major end-use of lead is lead batteries, accounting for 78 percent of reported global consumption in 2003. Other major application areas are lead compounds other than those used in batteries (8 percent of the total), lead sheets (5 percent), ammunition (2 percent), alloys (2 percent) and cable sheathing (1.2 percent). The most significant change in the overall use pattern during the period 1970 to 2003 is that batteries account for an increasing part of the total, whereas cable sheathing and petrol additives have decreased due to substitution.



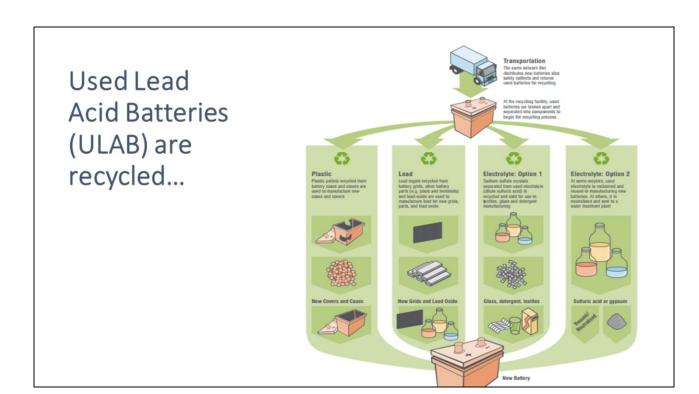
ILZSG was formed by the United Nations in 1959 to:

provide opportunities for regular intergovernmental consultations on international trade in lead and zinc,

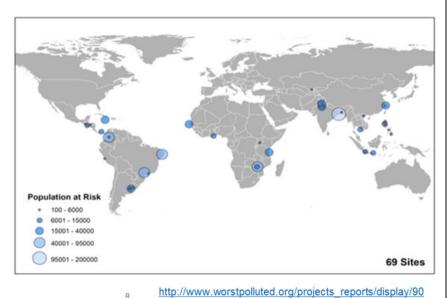
provide continuous information on the supply and demand position of lead and zinc and its probable development and to make special studies of the world situation in lead and zinc.

consider possible solutions to any problems or difficulties which are unlikely to be resolved in the ordinary development of world trade.

The main role of the ILZSG is to ensure transparency in the markets for lead and zinc worldwide. This is achieved by producing a continuous flow of information to the market place on supply and demand developments in lead and zinc through the monthly publication of high quality statistics and in depth economic studies. We also organise international sessions and special conferences bringing together industry and governments to discuss matters of concern in the lead and zinc sectors.



... but with severe environmental and health damages.

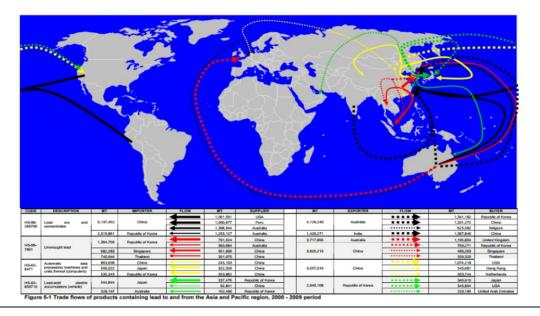


- http://www.worstpolluted.org/projects\_reports/display/a
- 1. Regions most Impacted by Lead Population from ULAB Recycling are:
- South America with 15 polluted sites and 322,800 estimated impacted population
- South Africa with 10 polluted sites and 287000 estimated impacted population
- Africa with 8 polluted sites and 154000 estimated impacted population
- Southeast Asia with 34 polluted sites and 123500 estimated impacted population

Population estimates are preliminary and based on an ongoing global assessment of known polluted sites which are in **BlackSmith** database.

Founded in 1999, **Blacksmith Institute** (also known as <u>Pure Earth</u> as of March 10,2015) is an international not-for-profit organization dedicated to solving life-threatening pollution in the developing world. Blacksmith identifies and cleans up the world's worst polluted places - over the last decade it has removed toxic pollution from 75 sites in 20 countries, focusing on communities where children are most at risk.

# International dimensions





# Workshop on Sound Management of Used Lead Acid Batteries: Goals and Objectives

 The overall goal: to advance international analysis, commitment and action to address the challenges associated with the management and recycling of ULAB.

#### · Objectives :

- Review the current situation on the international movement, management and recycling of ULAB, and associated environmental and health risks.
- Exchange information on the government policies and stakeholder actions to address these risks.
- Identify potential future UNEP activities towards the environmentally sound management of ULAB.
- Finalize a draft report on proposed UNEP action to promote sound management of ULAB.

#### **Partners**

- UNEP contributes through its Chemicals and Waste Branch (CWB) and the Economy and Trade Branch (ETB) and provides perspectives on the management of environmental and health risks of lead and the international trade of ULAB and their recycling respectively. CWB is contributing through the Geneva-based Technology and Metal Partnership Team (overall coordination) and the International Environmental Technology Centre (IETC) based in Osaka.
- WHO nominated an expert to address the human health dimension and will author a part of the report.
- Basel Convention Regional Center for Central America and Mexico prepares the draft workshop document and finalize a report on ULAB management with the help of experts.
- **Global Environmental Centre Foundation** compiles a report with input from these partners and experts, and makes practical arrangements for the Workshop.

## Workshop programme

#### **Session 1: Opening and Introduction**

- Objective: Develop shared understanding of global challenges of ULAB management and recycling
- Presentations: Trade analysis, health impact, environmentally sound management

#### Session 2: Challenge in Asian Countries

 Objective: Provide national perspectives and identify good practices for designing policy

#### Session 3: Future UNEP activities on lead batteries

- Objective: Identify and design possible UNEP activities: what, who, where, when and how
- Presentations: Certification scheme for ULAB recycling, Case example and low-cost model, Better Environmental Sustainability Targets (BEST) for Lead Battery Manufacturers, ILA assessment scheme, IETC e-waste projects

#### Session 4: Summary, conclusions and evaluation

Objective: Agree on course of action