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# Mercury Waste Management Plan CHILE

Mercury Waste Project Final Workshop  
June 2010

# Introduction

- In July 2009, CONAMA through UNEP's funds started to implement the project "Waste Management and Mercury content", whose objectives include "Developing a National Plan of Waste Management with Mercury".
- This Plan is part of the "**Mercury Risk Management Plan** " and the "**National Policy for Management of Contaminated Sites**". Those documents were approved by the Directive Council of CONAMA in August 2009.
- In September 2009, was convened a "Coordination Committee" to prepare the National Mercury Waste Management Plan. The committee has met five times after the project workshop started: December 2009 (three times), January and April 2010 (mining sector was more concern)
- The Mining Council (SONAMI) and the Ministry of Mining have been given observations with regularly. Issues of greatest discrepancy: massive waste mining and legislative changes' proposals to regulate it.



# Main activities with potential mercury-containing waste

Regarding with the “National Inventory of Mercury Use, Release and Registry of Prioritized Contaminated Sites” developed by Chile:



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Gold mining is the main source of mercury waste: (i) Mining extractive activity or formal (mining stresses "Mantos de Oro"), (ii) artisanal mining or informal

Consumer products containing mercury: Button batteries, energy efficient light lamps and thermometers. It is considered a voluntary initiative promoting Extended Responsibility of Provider (REP)

# Problems in develop of Plan...



The Mining Ministry has no priority in the address management issues related to artisanal gold mining

The private mining sector does not validate the toolkit as a tool for estimating emissions



# Implementing Process

## Institutions involved

- ✓ Ministry of Health (MINSAL)
- ✓ Ministry of Mining (MINMINERIA)
- ✓ Ministry of Education (MINEDUC)
- ✓ National Customs Service
- ✓ National Service of Geology and Mining (SERNAGEOMIN)
- ✓ Corporation for Production Development (CORFO)
- ✓ Chilean Copper Commission (COCHILCO)
- ✓ National Mining Company (ENAMI)
- ✓ Agricultural and Livestock Service (SAG)
- ✓ National Fisheries Service (SERNAPESCA)
- ✓ National Clean Production Council (CPL)
- ✓ Chilean Association of Municipalities (ACHM)
- ✓ National Mining Society of Chile (SONAMI)
- ✓ Mining Council (CM)
- ✓ Metallurgical Mining Research Center (CIMM)
- ✓ College of Dentists and Dental Schools
- ✓ Confederation of Production and Trade (CPC)
- ✓ Society for Industrial Development (SOFOFA)
- ✓ Chemical Manufacturers Association (ASIQUIM)



# Implementing Process



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- To initiate the project “National Mercury and Waste Management Plan”

Opening Workshop  
2-3 Nov. 2009

- Strengthen national technical capacities for the management of waste containing mercury, applying guidelines in relation to their environmentally sound management

Meetings Working Group  
01 dec, 15 dec, 29dec, 12 jan,  
April

- Awareness and training on the importance of environmentally sound management of Mercury-Containing Waste, in the regulators institutions, policy makers and relevant counterparts

Closing Workshop  
Jun 15, 2010

# OBJECTIVES

## GENERAL OBJECTIVE

Guide the management of waste containing mercury to environmentally sound management of such waste to include variables in their analysis of health risk and / or the environment.

## SPECIFIC OBJECTIVES

- 1. Review and improve the quality of the information contained in the "National Inventory of Uses, Consumption and Mercury releases"*
- 2. To encourage the generation and application of voluntary and mandatory instruments for the environmentally sound management of waste containing mercury*
- 3. To promote studies to identify sites with the presence of waste containing mercury, the risk and environmentally sound management.*
- 4. Raise awareness and build capacity in those involved in the environmentally sound management of waste containing mercury*



预览已结束，完整报告链接和二维码如下：

[https://www.yunbaogao.cn/report/index/report?reportId=5\\_14363](https://www.yunbaogao.cn/report/index/report?reportId=5_14363)



# ion Plan

Step 1: *Review and improve the quality of the information obtained in the "National Inventory of Uses, Consumption and Emissions of Mercury releases"*

Standardize methods for mercury analysis and develop its methodological guidelines that allows for estimates of mercury emissions under the national reality.

Complete the survey of national laboratories and their sampling protocols and analysis for different environmental compounds and chemical speciation of mercury.

Develop standardizations sampling protocols and analysis for national laboratories

Promote the development of methodological guidelines for uses of national measurements, simulations or estimates of mercury emissions in the country.