

Implementation of the Stockholm Convention on Persistent Organic Pollutants (POPs) in Honduras

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Latin America



Honduras principal data

Territorial Area: 112,492 Km²

Population: 8.0 millions

Urban Population: 52%

Reference: Banco Central de Honduras. 2012.

HONDURAS IMPLEMENTIN STOCKHOLM CONVENTION





Legislation related with POPs in Honduras

Constitution
of the
Republic

Basel, Rotterdam &
Stockholm Convention

International
Agreements

- General Environmental Law
 - *policy for the management of chemicals*

Laws

Regulations

- *Environmentally sound management of chemicals*
- *Contaminated sites*
- *Pollutant Release and Transfer Register*

Ministerial Resolution

Banned pesticides POPs

Banned PCBs

Honduras, banned POPs

Substance	Banned (year)
Aldrin	1991
Dieldrin	1991
DDT	1991
Lindane	1991
HCH (isomers)	1991
Mirex	1991
Heptachlor	1991
Toxaphene	1991
Mercuryl compounds	1991
Lead compounds	1991
Dinoseb (salts)	1991
Fluoroacetamida	1991
Clordimeform	1991
Cihexatin	1991
1, 2-dibromoetano (EDB)	1991
Amitrole	1991
2,4,5-T	1991
Dodecachlor	1991
Dibromocloropropano	1981
Captafol	1999
Dicofol	1999
Chlordane	1999
Acefate	1999
Methyl bromide	Restricted use

National Authority for the management of industrial chemicals

- Ministry of Natural Resources and Environment (SERNA), through Center for the Study and Control of Pollutants (CESCCO)
 - 2010. Creation of the Department for Management of Chemicals (DGPO)



Stockholm Convention



- 2004. Honduras ratified the Stockholm Convention
- 2006-2009. Project "Assistance to the Government of Honduras to the Compliance Stockholm Convention of Persistent Organic Pollutants (POPs)" GEF / UNDP
 - National Implementation Plan (NIP) presented in January 2010 at the Secretariat of the Stockholm Convention
- 2011-2015. "Strengthening National Capacities for Management and Reduction of Releases of POPs in Honduras" GEF / UNDP
- 2013. "Updating the National Implementation Plan (NIP) of the Stockholm Convention on Persistent Organic Pollutants" GEF / UNIDO

- **Coordination Mecanism, Exchange of information:**

- National Commission for the Management of Chemicals
Honduras

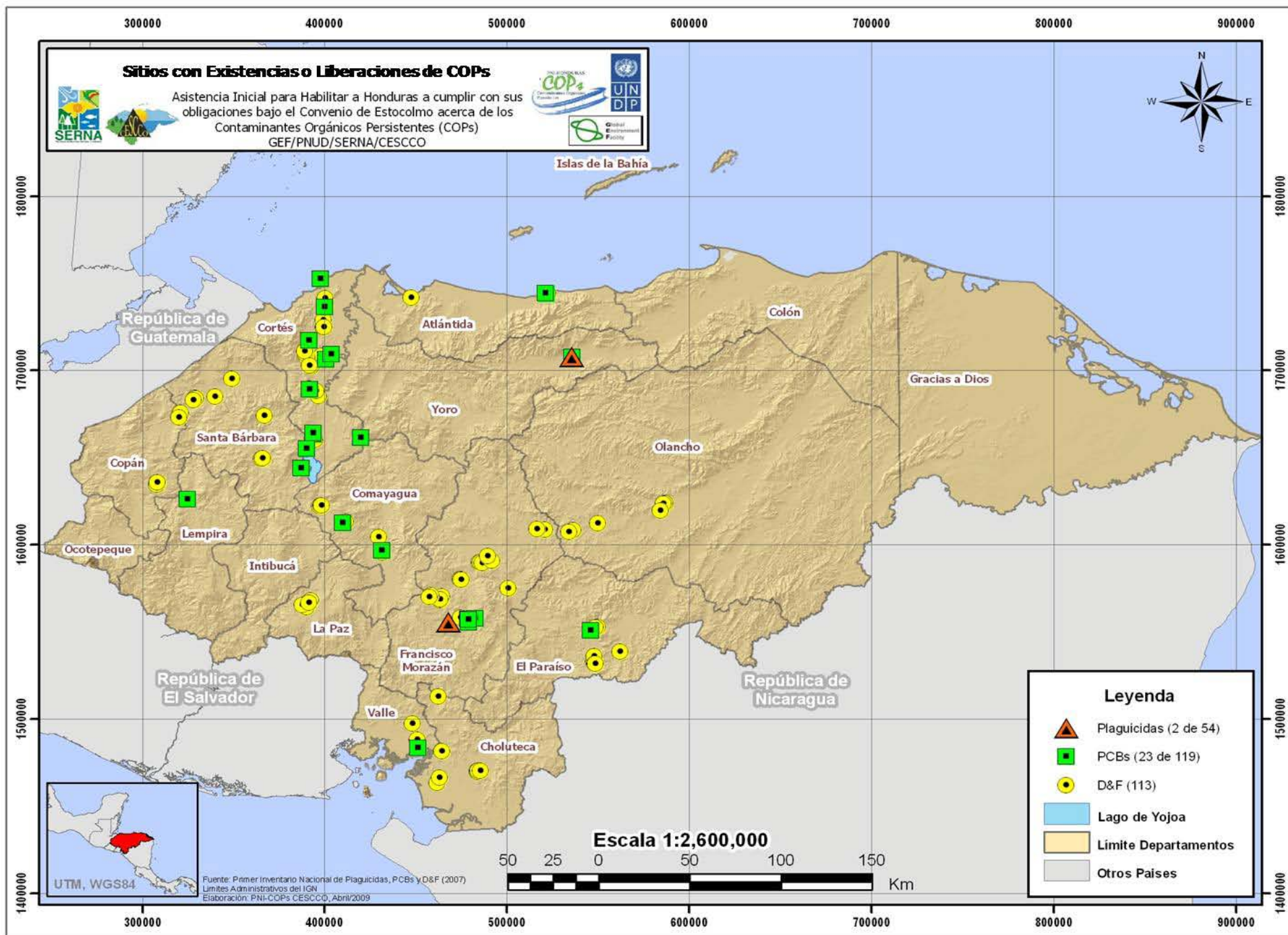
- Government
 - Private sector
 - Civil society
 - Academy

- **Specific Exemptions**

Honduras has not requested a specific exemption.

12 INICIAL POPS





Inventories of PCBs The place to start!

Urs Wagner on Inventories | Regional features
PEN members contact list | The fight of the PCBs

LATIN AMERICA AND THE CARIBBEAN

Honduras

Not Usain Bolt but a start on PCB inventories anyway

Location of the sites tested in Honduras



The national electrical public and private sub-sector is one of the main users and owners of equipment and waste that may contain PCBs. Electric equipment with PCBs are scattered in 23 (19%) of the 119 sites visited, of which 16 (70%) are facilities of ENEE, six (26%) of private companies and one (4%) of a public hospital. Of the 63 electrical equipments 78% (49) are public, with the ENEE the owner of the largest number with 46 electrical equipments and the teaching Hospital in Tegucigalpa with three electrical equipments, respectively. Of the rest, 22% (14) belong to different private companies. From these electrical equipment, 87% (55) are distribution transformers and 11% (7) power transformers. Only 29% (18) are in condition to be used and about 13% (8) showed dielectric oil leaks to the environment nearby. The highest percentage of equipment with PCBs is out of service. However, some medium and high capacity power transformers are in good condition. None of the sites visited has action plans for handling solid and liquid wastes containing PCBs.

The first national inventory of PCBs in Honduras was carried out under the Stockholm Convention enabling activities by the Ministry of Natural Resources and Environment (SERNA), through the Center for the Study and Control of Pollutants (CESCCO) in cooperation with the National Electricity Company (ENEE), the Secretary of Health and the Fire Department.

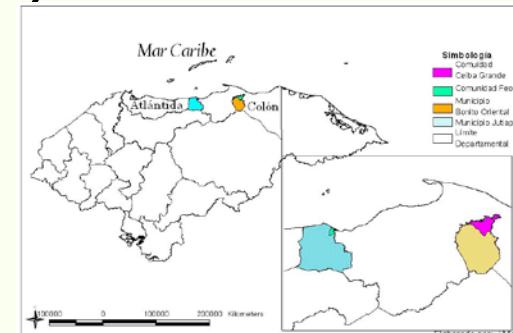
A team of national consultants from these organizations took care of consolidating the information generated in the preliminary inventory, identifying and selecting sites to be visited, training inter-institutional staff, implementing the PCB inventory questionnaires of the United Nations Environment Programme (UNEP) and performing sampling for analysis of PCBs with the rapid semiquantitative CLOR - N - OIL 50 * method. The consultants were also responsible for codifying, tabulating, reviewing, analyzing, interpreting and summarizing all the information generated in the inventory.

In conclusion, the results obtained from the National Inventory of PCBs are preliminary and offer an overview of the status of these compounds in the country. A more detailed analysis of industrial owners of equipment that are contaminated with PCBs is required to expand the size of the sample to complete the electricity sector and to identify other applications or uses of PCBs in the country. It is necessary to create a national registration of users and owners of electrical equipment contaminated or potentially contaminated with PCBs. These initiatives could be promoted through joint venture strategies with stakeholders, mainly ENEE as the largest holder of such equipment.

This article was prepared under the POPs NIP project in Honduras. For more information, please contact the Centro de Estudios y Control de Contaminantes (CESCCO), the Stockholm Convention National Focal Point, at cescco.serna@gmail.com.

New POPs

- POPs Pesticides
 - Chlordecone.
 - Endosulfan. Used in coffee crops, vegetables, melons and beans.
 - Cancellation of registrations in 2010 and 2011.
 - Lindane. Banned in 1991.
- Recent Studio 2011: "Gathering information about the concentration of DDT Assessment and new POPs pesticides in two communities in Honduras." residual DDT, lindane and endosulfan was found, in environmental and biological matrices (blood and fish).



Lindane & Endosulfan

- The compound found in blood was mostly Lindane in child population sampled, especially in one of two Communities.
- With respect to the isomers of Endosulfan, the highest detected was Endosulfan I, Endosulfan Sulfate and Endosulfan II.
- With regard to soil and sediment analysis, the results show that Lindane and the three isomers of endosulfan were detected, the highest percentage corresponds to Endosulfan sulfate.
- This allows further support the ability of persistency, bioaccumulation and transport of POPs have.

Other New POPs

- A- β Hexachlorocyclohexano: Never produced or imported.

- Brominated compounds
- Pentachlorobenzene
- PFO's



Challenges

- Updating the National Implementation Plan of the Stockholm Convention with emphasis on new POPs
- Electronic Waste Management.
- Environmentally Sound Management of Mercury and products containing mercury in the health sector and artisanal mining.
- Updating the National Profile of Chemicals Management.
- Harmonize Legal Framework for Chemicals Management



HONDURAS
Todo está aquí

