



Workshop on NIP implementation

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Ministry of the Environment of Brazil

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Brazil at a glance

- ✓ 5th largest area in the world (total area: 8.515.767 km²);
- ✓ more than 208,5 millions people;
- ✓ 26 states and a Federal District;
- ✓ 5.570 municipalities;
- ✓ only portuguese-speaking country in America.



GEF Project

1ºPhase: Preparatory Assistance

Objective: Identify the needs

Period: **2005 - 2007**

2º Phase: Full Sized Project

Objective: Develop the NIP

Period: **2010 – 2015**

The First NIP Brasil comprises:
the 12 initial POPs + Endosulfan + PFOS +
PBDEs + HBCD

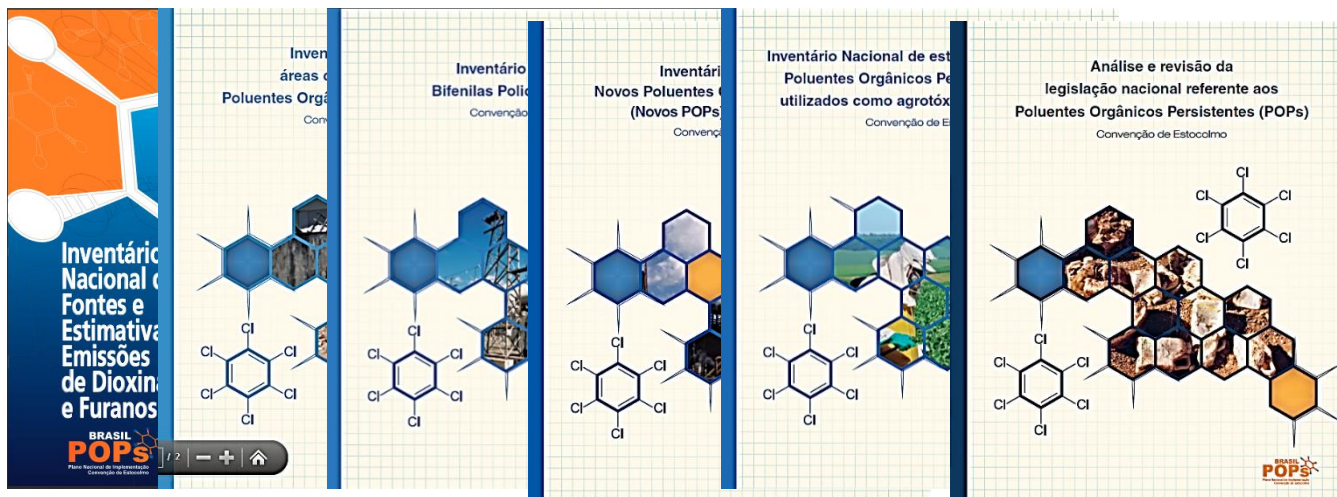


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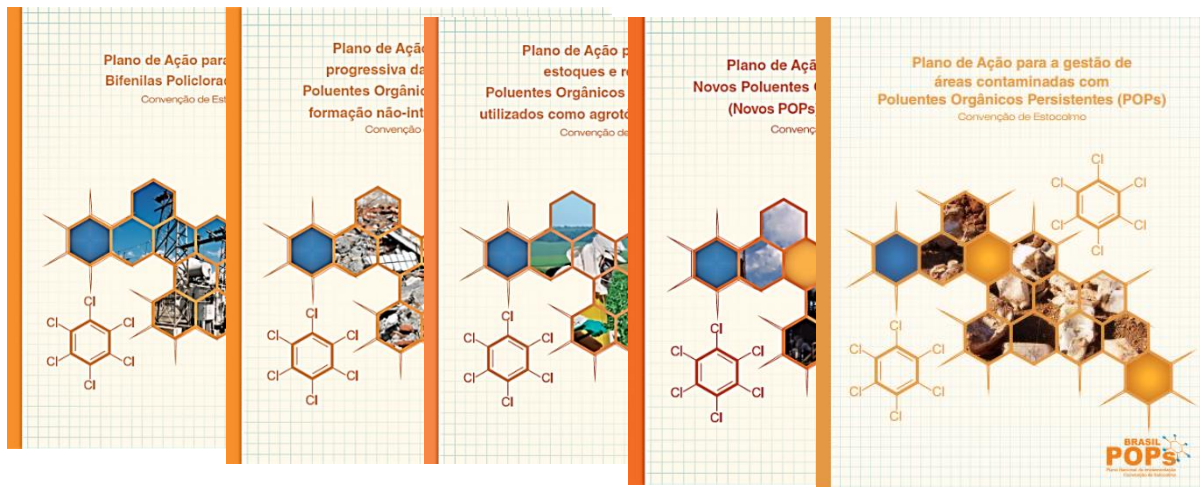
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NIP documents

Inventories



Action Plans



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The work

- ✓ Inventories and Action Plans: developed between 2012 and 2014.
- ✓ Inventory of Sources and Estimatives of Dioxinas and Furans (2010): consultant
- ✓ All others: the team of the Ministry

- ✓ Interinstitutional technical groups: about 12 meetings
- ✓ National Coordinator Group: National Commission on Chemical safety



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Legal Status of the POPs

- All POP pesticides are prohibited , except sulfluramide (PFOSF) - acceptable purpose as insect baits

- PCBs:
prohibited in 1981, but remained allowed its use until the need to change the oil of the equipment

- POPs of Industrial use
– no legislation and competences to set prohibitions.

- Dioxins and Furans:
Limits not set out in legislation (only for incinerators -

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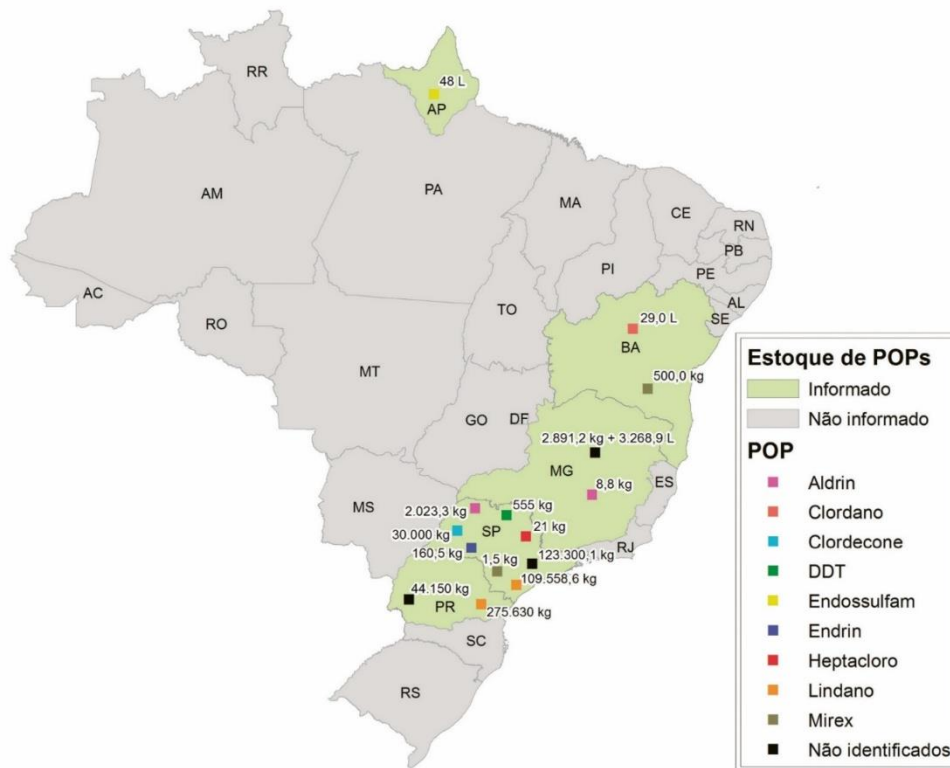
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Inventory of POPs pesticides

- ✓ POPs pesticides were mainly prohibited in 80's

Stockpiles disposed

~ 2.000 ton



Fonte: Inventário Nacional de estoques e resíduos de Poluentes Orgânicos Persistentes (POPs) utilizados como agrotóxicos e outros usos, 2015.

Inventory of POPs pesticides

- ✓ Obsolete stockpiles buried or forgotten in small houses
- ✓ 2005 – 2017
- 2 States: São Paulo and Paraná developed Campaigns to identify, collect and dispose the stockpiles

Strategies:

- * **Multisetorial Task Groups:** active participation of Inpev (private sector)
- * **Anistia** to the agricultural owners to declare the existence of stockpiles



O BHC é proibido por lei

PROCURA-SE

O BHC é cancerígeno, pode causar problemas neurológicos e provocar aborto. Contamina a água, o solo, as lavouras, alimentos e animais.



recompensa
saúde, propriedade limpa,
meio ambiente preservado.

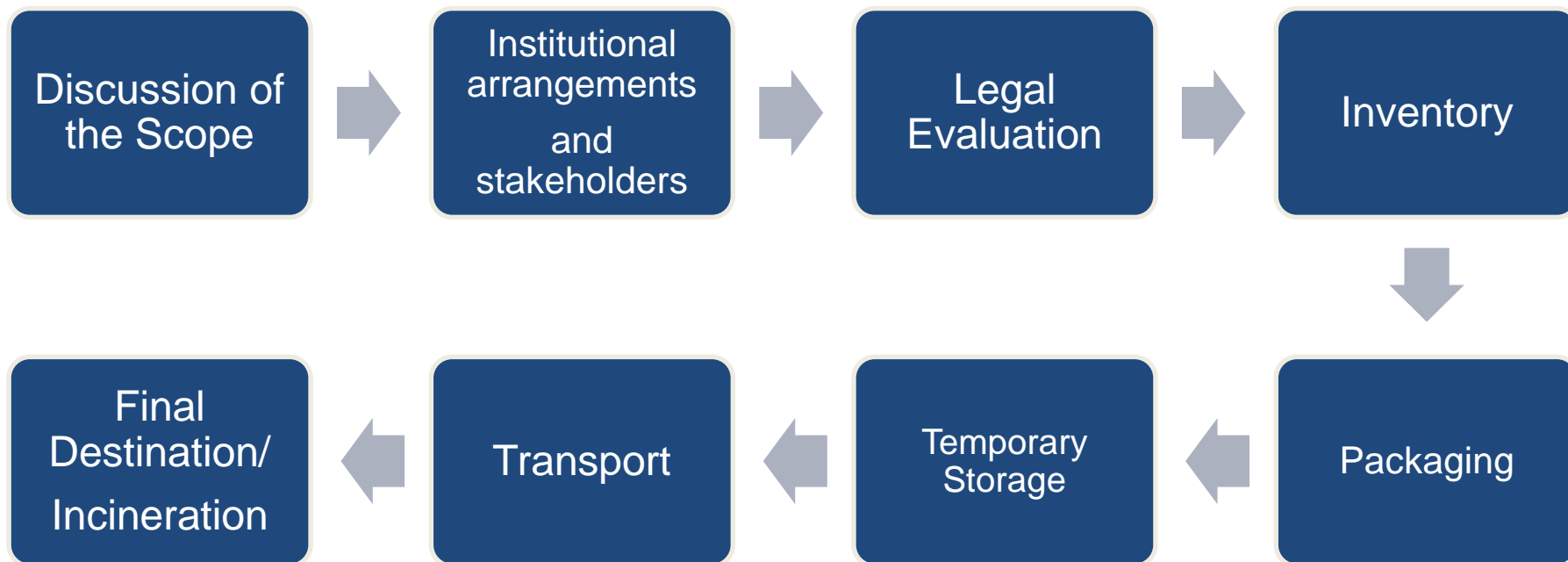
Para maiores informações consulte: impresso@fiep.com.br (*) Lei estadual nº 16.082, de 17 de abril de 2009

UNIVERSIDADE DO PARANÁ SISTEMA FAEP FIEP SUSTENTABILIDADE Sistema Odepar inPEV





Step by step



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Results



~1700 tons of obsolete stockpiles disposed

50% paid by industry

Challenge: and the other states??

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DDT

Inseticide for vector control – malária

Produced and Used by Ministry of Health (*DDT* +*lindane*)



2007: Inventory of possible contaminated sites and stockpiles

2012: Remediar Project conducted by FUNASA

Today: confirmed 25 contaminated sites/stockpiles (environmental evaluation)

GEF Project: 2017 – 2019 (preliminary phase)

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PCBs

Mainly in power companies



PCBs GEF Project:

- * demonstrative Inventories
- * Guidance for the inventory and for the management
- * System to inventory

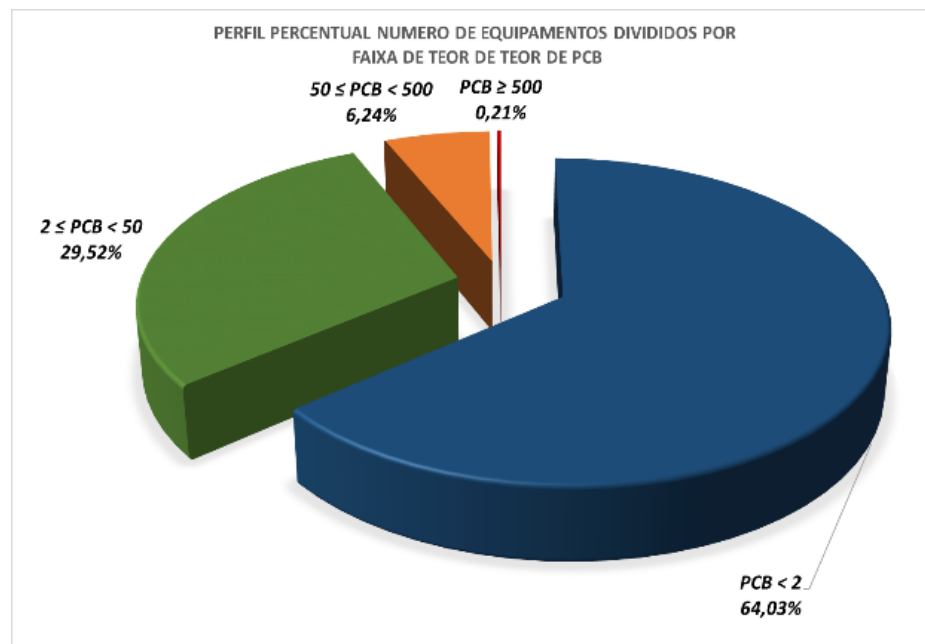
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PCBs Demonstrative Inventory

3 companies

962 samples analysed



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PCBs

- ✓ Strategies: involve the associations of the companies
- ✓ Seminars, practical training and Distance Learning Course – Regional Center
- ✓ Next steps:
 - ❑ more 2 power companies to be inventoried
 - ❑ System for inventory

Non intentional POPs

- ✓ Inventory in 2010 with 2008 data
- ✓ No official data – survey to the sector
(Changes of Technologies and processes →
Need to update the inventory)
- ✓ Sectorial agreements
- ✓ Review the limits of dioxins and furans
for incinerators



Industrial POPs

- ✓ Lack of legislation
- ✓ Lack of official data.
- ✓ Indicative Inventory: based on **theoretical analysis**, questionnaires and telephone contacts, methods that did not require visits or primary data collection.

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Industrial POPs

- ✓ PFOS/PFOSE: some uses confirmed, other suspect. Acceptable purpose to produce and use sulfluramide;
- ✓ PBDEs: WEEE - Specific Exemption for recycle: reverse logistic for management of WEEE to be implemented in Brazil
- ✓ HBCD: specific exemption for use in EPS until october 2019
- ✓ Challenge:
 - Identify the uses, the producers and importers
 - Inspection
 - Monitoring in the environment

Strategies

- ✓ Law proposal on controlling the industrial chemicals
- ✓ **GEF Project NIP updating (2018-2020):**
 - ❑ Improve/review the inventories and informations about the industrial chemicals
 - ❑ Update the NIP: POPs of COP7 and COP8: hexaclorobutadieno (HCBD), pentaclorofenol (PCF); naftalenos policlorados (PCN); parafinas cloradas de cadeia curta (SCCP), e decabromodifenil éter (C DecaBDE).

Working Groups

- ✓ Focal Points in the states:
 - first meeting this year.
 - Questionnaires to seek the situation
 - MMA as helpdesk.

- ✓ Permanent Working Group on NIPs implementation:
 - Private Sectors
 - Report the actions



Gracias!

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