

PCB Management in the Republic of Moldova

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Summary of actions

- **2004-** Stockholm Convention on POPs ratified by Moldova
- **2004** – first NIP elaborated and submitted to SC secretariat
- **2009** – 1st PCB inventory
- **2009** – adoption of PCB regulation
- **2009-2020** – PCB ESM and elimination activities with donor support
- **2021** – 2nd PCB inventory
- **2024-** POPs regulation



International legal framework

Stockholm Convention on Persistent Organic
Pollutants (POPs)

Council Directive 96/59/EC of 16 September
1996 on the disposal of polychlorinated
biphenyls and polychlorinated terphenyls
(PCB/PCT)

Regulation (EU) 2019/1021 of the European
Parliament and of the Council of 20 June
2019 on persistent organic pollutants

National legal framework

Government Decision nr. 81/2009 on the approval of the regulation on polychlorinated biphenyls

Government Decision nr. 816/2023 on the approval of the Programme for the sustainable management of chemicals for the period 2023-2030 (including an action plan for its implementation. Annex 2 to SMC program refers to NIP on SC implementation for period 2023-2030)

The waste Law nr. 209/2016

Government Decision nr. 411/2022 on the approval of the Regulation on shipments of waste

Art. 5 – GD nr. 81/2009

The production and the placing on the market of PCBs in pure form, in mixtures or as a component of articles is prohibited (Art. 5 – GD nr.81/2009)

PCB Regulation

The deadlines for the operation of PCB-contaminated equipment set by the PCB Regulation have been exceeded - 2020.



Setting new deadlines in line with the Convention and EU rules

Regulation on POPs (GD 744/2024)



Transpose the EU Regulation on POPs (2019/1021);



Sets up new deadlines for the use and phase out of BCPs: 2025 and 2028;

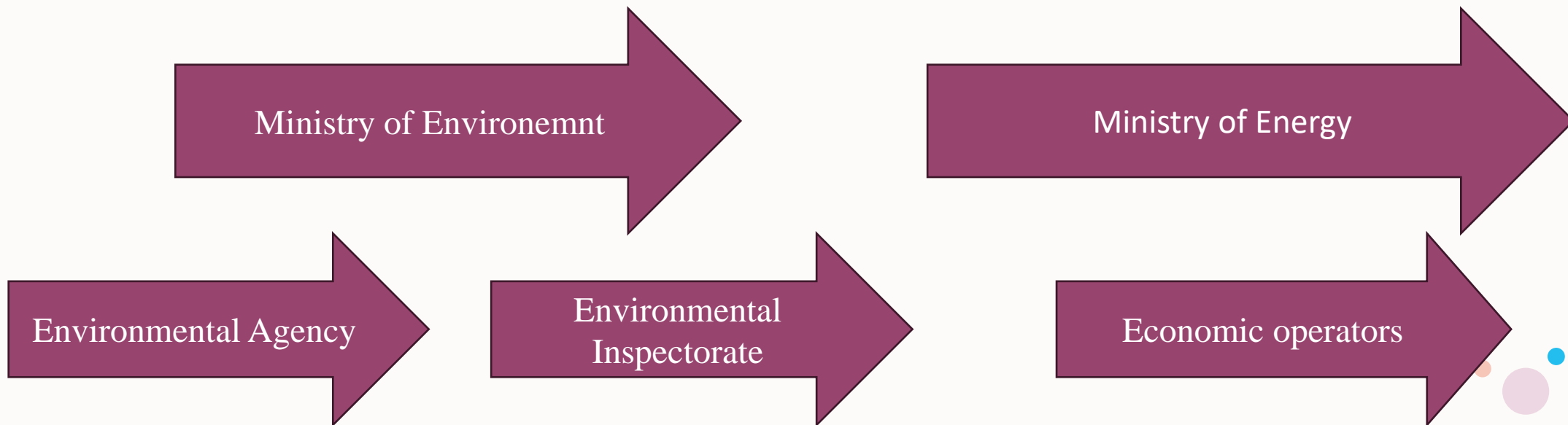


Repeals P. 7 of the Regulation on Polychlorinated Biphenyls, approved by Government Decision No 81/2009;

National Implementation Plan on POPs

(Objective nr. 3)

Identification, labelling, removal, storage and disposal of PCBs and equipment containing PCBs by the year 2030



Planned activities

Maintenance of records and submission of annual reports on equipment containing PCBs and oils – Economic Operators;

Ensure the collection of data on the quantities of PCBs (equipment and oil) that are used in closed applications – Environment Agency;

Verification of holders of PCB-contaminated oil/equipment and their actions for the phase-out of PCB-contaminated oil/equipment – Environment Inspectorate;

Remediation of PCB contamination at Moldelectrica's 400 KV power plant in Vulcanesti – Ministry of Energy;

Inventory, repackaging and transport of equipment containing polychlorinated biphenyls, including in Transnistria – Ministry of Environment;

Relevant authorities involved in PCBs management

Ministry of Environment -
drafts environmental
legislation

Environmental Agency –
is responsible for the
implementation of
environmental protection
policy

Environmental
Inspectorate – is
responsible for the
monitoring of compliance
with environmental
protection requirements

The link between the public authorities and the economic operators

Environmental Agency

Authorises the activity of the economic operators

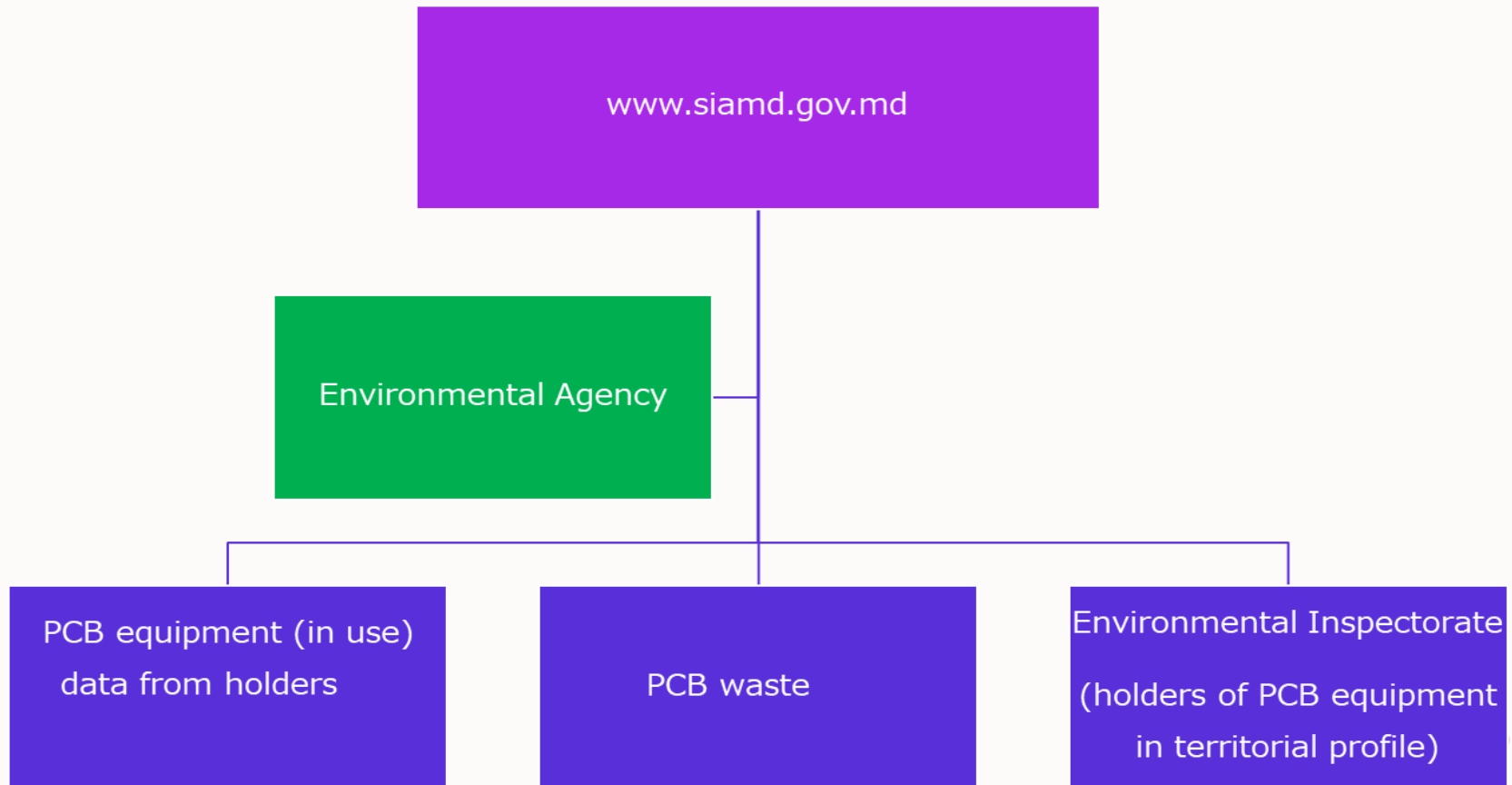
Economic Operators

Reports to the EA on the activity data

Environmental Inspectorate

Checks the activity of the economic operator

PCB equipment and waste reporting counter within Waste Management Information System (SIA MD)



PCB data entry example

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Page title: **PCB data entry example**

Form fields:

- Titlu: **inventar scapari**
- Data: **28.11.2022**
- Mod: **inventar scapari**

Table with 20 columns:

Nr	Tipul scaparii	Relati Data	Definitia	Codul	Nr de Inregistrare	data colectiei	Loca colectiei	Producator	Descrierea	Anul fabricarii	Masa (kg)	Prodimensiunile (lungime, latime, grosime)	Densitatea	Descrierea detaliata (stare, culoare, aspect, dimensiuni, caracteristici)	stare conservare	stare de conservare			Indicatii care pot fi insusite de la producator in vederea datei	Contributia (mg/kg)	Contributia (mg/kg)	Contributia (mg/kg)	Contributia (mg/kg)	Contributia (mg/kg)	Contributia (mg/kg)	Comentarii		
																Timp	Cupa	Reactivi										
1	Transformator	HT-Duceni	Scapari Pasa OT	UL-145	3000	24.03.2015	HT-Duceni, scapari (Pasa OT) "Sergiu Pasa"	URSS	transformator (TM-100/10, 100/10)	1971	210.0			de conservare	in functie	in stadiu bun	-	-	-	-	-	60.00	40.00					
2	Transformator	HT-Duceni	Scapari HT-Monophas	UL-145	3000	24.03.2015	HT-Duceni, scapari HT-Monophas	URSS	transformator (TM-25/10, 100/10)	1968	180.0			de conservare	in functie	in stadiu bun	-	-	-	-	-	30.00	2.00					
3	Transformator	HT-Duceni	Scapari HT-Monophas	UL-145	3000	25.07.2015	HT-Duceni, scapari HT-Monophas	URSS	transformator (TM-25/10, 100/10)	1967	180.0			de conservare	in functie	in stadiu bun	-	-	-	-	-	10.00	10.00					

Right sidebar: **NOI SCAPARI**

- Thumbnail 1: **Scapari HT-Monophas**
- Thumbnail 2: **Scapari HT-Monophas**
- Thumbnail 3: **Scapari HT-Monophas**
- Thumbnail 4: **Scapari HT-Monophas**

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Inventory of PCBs - 2020-2021

“Review and Update of the National Implementation Plan for the Republic of Moldova under the Stockholm convention on Persistent Organic Pollutants (POPs)” – GEF

Period of inventory – oct. 2020 - aug. 2021



PCB
inventory in
2020:
field visits



PCB inventory data within the power supply and distribution sector, 2020

Name of Company	PCB contaminated equipment, in units	PCB contaminate oil, in tons
ICS Premier Energy	14 units (circuit breakers 35Kv)	3,535
Moldelectrica	161 (circuit breakers and transformers)	47,526
RedNord	3 (transformers)	0,641
Nodul Hidroenergetic Costesti	13 (12 circuit breakers (630/A/110kV, 1 racord)	32,450
TOTAL	191	84,152

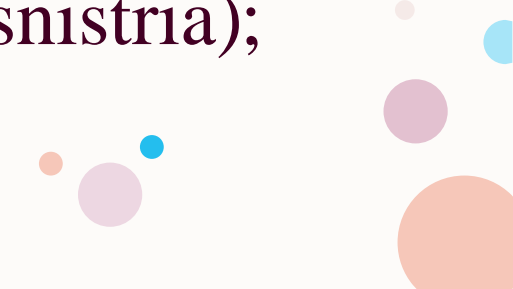
Work in progress

2 ongoing Projects;

- „Removal and Disposal of Dangerous Chemicals from Moldova” Project - support of the OSCE Mission to Moldova;
- „Global clean-up in view of meeting the 2025 and 2028 targets for the phase-out of PCBs under the Stockholm Convention” – support of the European Union;



Challenges

- Lack of data;
 - Insufficient core staff;
 - Insufficient cooperation between authorities and economic operators;
 - Limited access to the left bank of the Nistru River (Transnistria);
- 

Current status

- The OSCE Mission to Moldova collected 154,159 kg of hazardous waste containing PCBs (7 electrical substations in Transnistria), which was disposed of in Germany - 2024;
- A.O.ProMediu in cooperation with RECETOX and BRS Secretariat, with the support of the EU is conducting an update of the inventory, by taking samples and assessing the existing equipment and the newly identified.

**Thank you for
your attention!**

