

Final Meeting of the GEF-funded project “Integrated Stockholm Convention toolkit to improve the transmission of information under Articles 7 and 15”

25 May 2023
Geneva, Switzerland

Agenda item 3

Overview of the outputs and outcomes of the in- country activities, lessons learned and remaining challenges

Project countries: Cambodia, Honduras, Kenya, Madagascar, Papua
New Guinea, Republic of Moldova, and Saint Lucia

[Project page](#)

Outputs Validation Workshop and third Steering Committee Meeting of the GEF-funded project “Integrated Stockholm Convention toolkit to improve the transmission of information under Articles 07 and 15”

OVERVIEW OF THE OUTPUTS AND OUTCOMES OF THE IN-COUNTRY ACTIVITIES, LESSONS LEARNED AND REMAINING CHALLENGES IN CAMBODIA

Mr. UON Sokunthea

Chief Office/Dept of Hazardous Substance Management

Ministry of Environment

Cambodia



Content

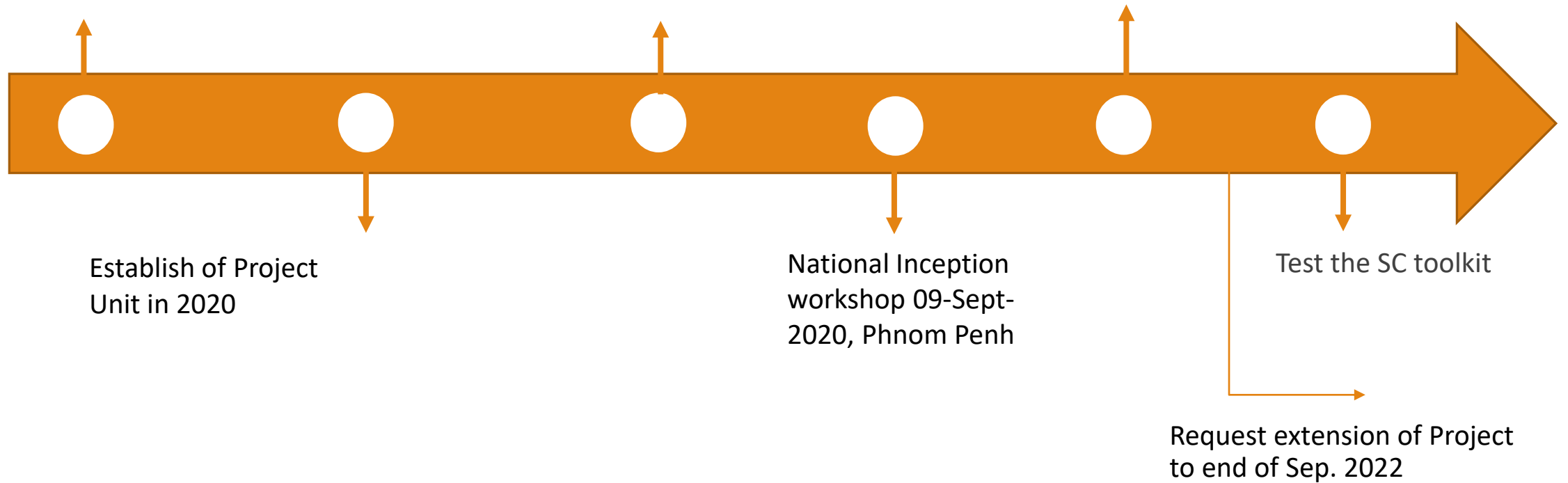
1. Outputs and Outcomes
2. Outputs and Outcomes of the in-country activities
3. Capacity built, and lessons learned following the in-country activities
4. Toolkit uptake at country level

Outputs and outcomes

Global Inception
Workshop-2018,
Uruguay

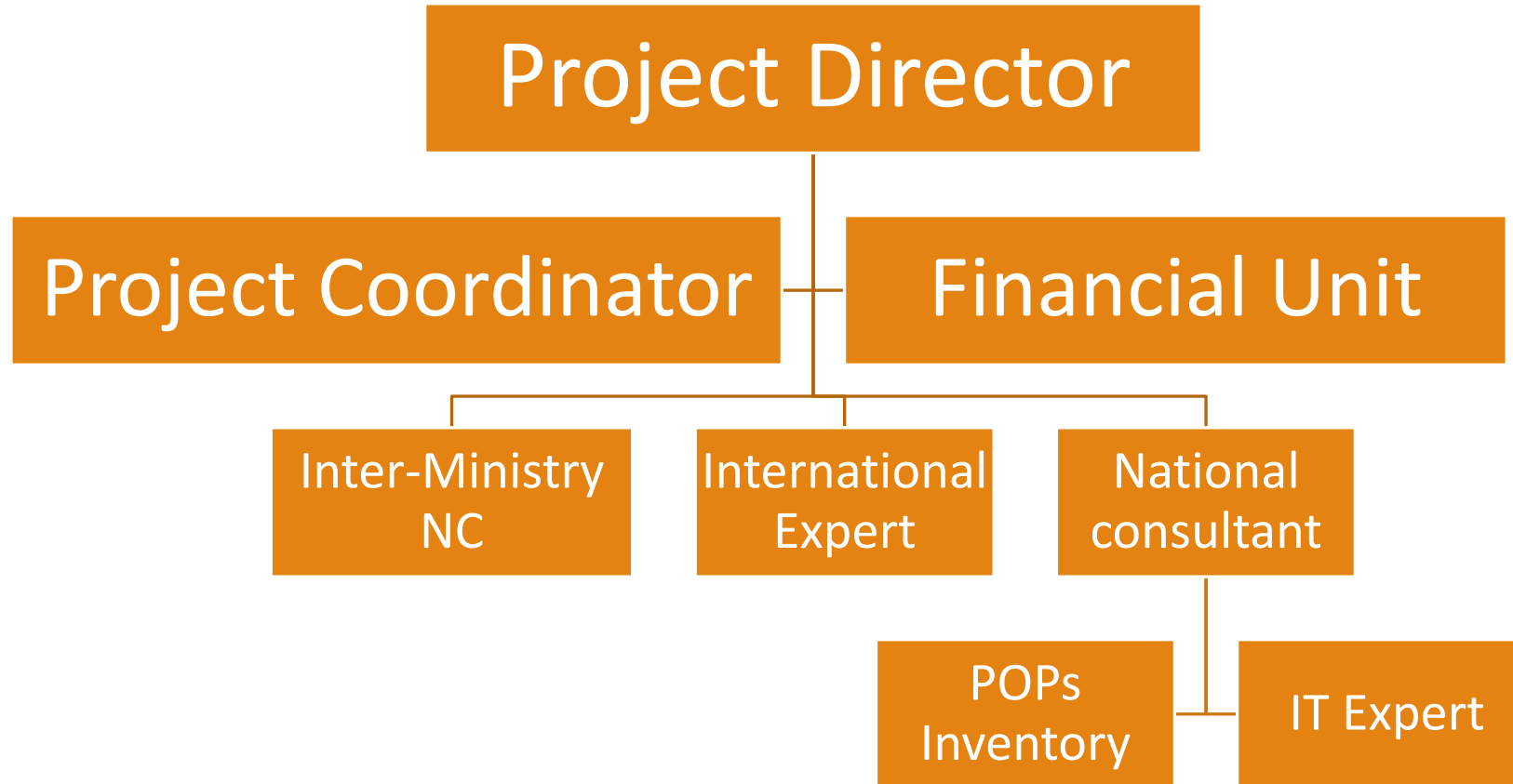
Gap Analysis under
article 7 and 15

Data POPs collection in 2020-
2021



Outputs and Outcomes (cont...)

Establish of Project Unit in 2020



Outputs and Outcomes (Cont...)

Gap Analysis under article 7 and 15

- Information obtained from the process of documenting the National Implementation Plan is used to report on the progress of the implementation of the obligations on the management of POPs in Cambodia.
 - Article 07: National Implementation Plan (Qualitative and Quantitative information)
 - Article 15: Reporting (Qualitative and Quantitative information)
- Inconsistencies and gaps were found in both the National Implementation Plan (NIP) and the National Report (NR), in particular the assessment and mention of new POPs management activities that have been added to the list of Annex “A”, Annex “B” and Annex “C” of the Convention.

Outputs and Outcomes (Cont...)

Gap Analysis - Articles 7 and 15

The chemicals targeted by the Stockholm Convention are listed in the annexes of the convention text:

Annex A (Elimination)

Parties must take measures to **eliminate** the production and use of the chemicals listed under Annex A. Specific exemptions for use or production are listed in the Annex and apply only to Parties that register for them.

Aldrin ●	Chlordane ●	Chlordecone ●
Decabromodiphenyl ether (commercial mixture, c-decaBDE) ▲	Dicofol ●	Dieldrin ●
Endrin ●	Heptachlor ●	
Hexabromobiphenyl ▲	Hexabromocyclododecane (HBCDD) ▲	Hexabromodiphenyl ether and heptabromodiphenyl ether ▲
Hexachlorobenzene (HCB) ● ▲	Hexachlorobutadiene ▲	Alpha hexachlorocyclohexane ●
Beta hexachlorocyclohexane ●	Lindane ●	Mirex ●
Pentachlorobenzene ● ▲	Pentachlorophenol and its salts and esters ●	Polychlorinated biphenyls (PCB) ▲
Polychlorinated naphthalenes ▲	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds ▲	Short-chain chlorinated paraffins (SCCPs) ▲
Technical endosulfan and its related isomers ●	Tetrabromodiphenyl ether and pentabromodiphenyl ether ▲	Toxaphene ●

Annex B (Restriction)

Parties must take measures to **restrict** the production and use of the chemicals listed under Annex B in light of any applicable acceptable purposes and/or specific exemptions listed in the Annex.

DDT ●	Perfluorooctane sulfonic acid, its salts and perfluorooctane sulfonyl fluoride ● ▲
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Annex C (Unintentional production)

Parties must take measures to reduce the **unintentional releases** of chemicals listed under Annex C with the goal of continuing minimization and, where feasible, ultimate elimination.

Hexachlorobenzene (HCB) ■	Hexachlorobutadiene (HCBd) ■	Pentachlorobenzene ■	Polychlorinated biphenyls (PCB) ■
Polychlorinated dibenzo-p-dioxins (PCDD) ■	Polychlorinated dibenzofurans (PCDF) ■	Polychlorinated naphthalenes ■	

Pesticide ●

Industrial chemical ▲

Unintentional Production ■

The 12 initial POPs under the Stockholm Convention

Initially, twelve POPs have been recognized as causing adverse effects on humans and the ecosystem and these can be placed in 3 categories:

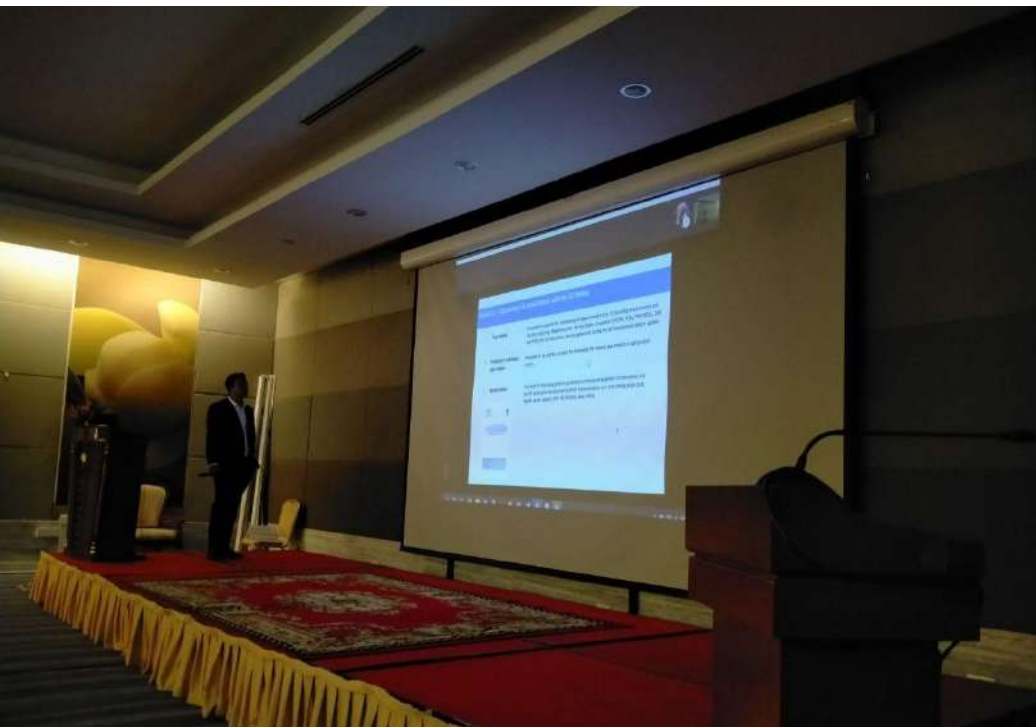
- **Pesticides:** aldrin, chlordane, DDT, dieldrin, endrin, heptachlor, hexachlorobenzene, mirex, toxaphene;
- **Industrial chemicals:** hexachlorobenzene, polychlorinated biphenyls (PCBs); and
- **By-products:** hexachlorobenzene; polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans (PCDD/PCDF), and PCBs

Outputs and Outcomes (cont...)

National Workshop

Held on 09-Sept-2020, Phnom Penh

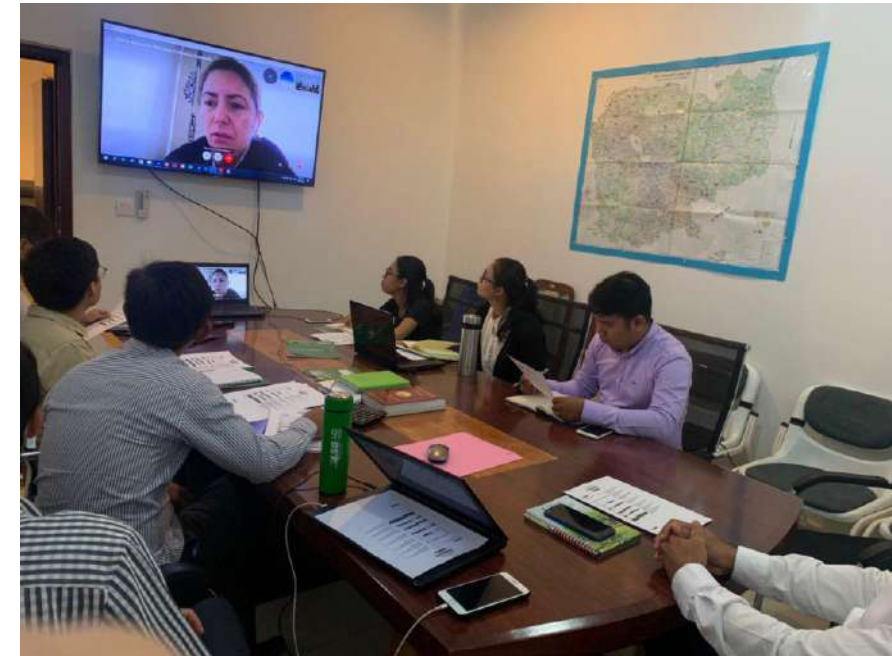
63 participants from all relevant sectors



Outputs and Outcomes (cont...)

POPs data collection/revision in 2020-2021

- We got the specific training from UNEP for the team supporting the technical expert on new POPs inventories and reporting obligations before starting data revision and collection
- Excel document on POPs data collection/revision completed and available to test the SC integrated electronic toolkit



Outputs and Outcomes (cont...)

Request for extension of in-country activities
implementation end-date

- During the in-country activities implementation under the project, challenges due COVID-19 restrictions were faced, thus a request to extend end-date of the SSFA until Sep. 2022 was approved

Outputs and Outcomes (cont...)

Testing the toolkit

1. The integrated electronic toolkit was populated with POPs data collect, upon receiving the training from UNEP
2. Two reports were prepared following the toolkit testing:
 - Report compiling potential linkages with the data management systems available at the national level
 - Brief description of the arrangements for the administration the integrated Article 7 and 15 electronic toolkit at the national level after the project ends

Capacity built and Lessons learned following the in-country activities

Capacity built:

- Identifying the prioritized POPs for inventory and NIP development in Cambodia context
- Developing inventory and NIP by specifying each type of POP in each sector with clear guidance/ methodology
- Using the NIP review and update process to provide accurate and reliable data for the national reporting

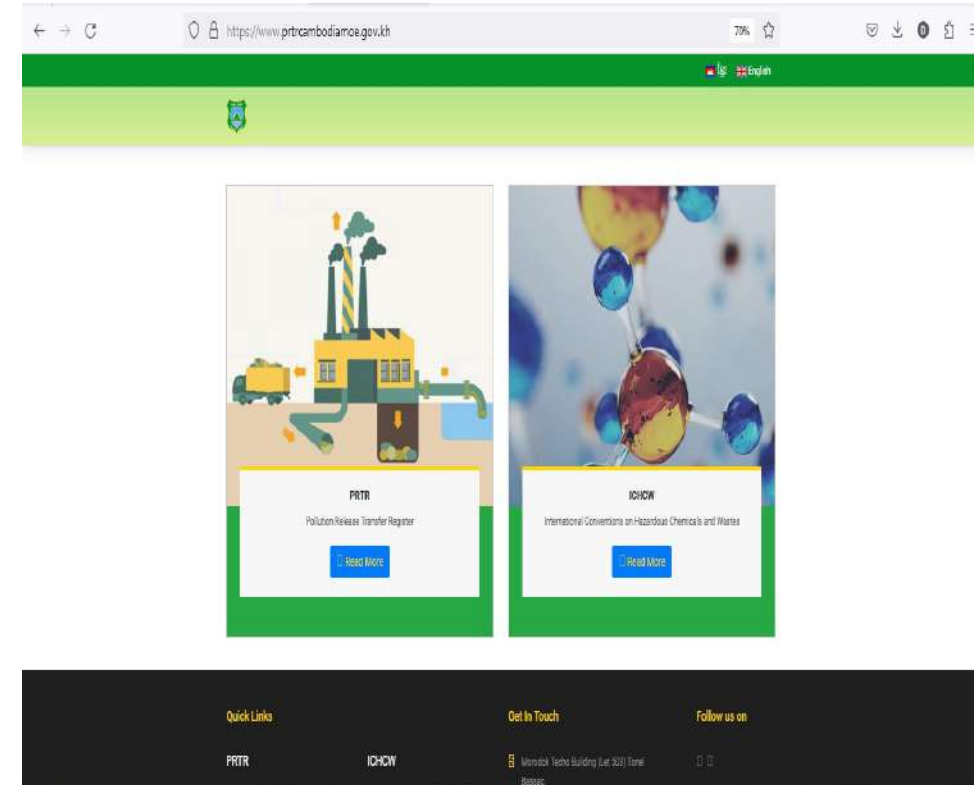
Lessons learned:

- A harmonized format of NIP and national reporting would enable better coordination at national level
- Having a clear overview of data needs is ensuring stronger involvement and buy-in from national stakeholders

Toolkit uptake at country level

The toolkit shall contribute in the upcoming future to:

- Identification and retrieval of relevant chemicals and waste information for reporting purpose which it was developing platform of chemical and waste
- Organizing/curating the information and reference documents for a specific report as requirement data in national level
- Supporting the analysis of national information against the MEAs, including the SDGs framework
- Facilitating inter-ministerial communication and cooperation at the national level





REPUBLIC OF KENYA

Outputs Validation Workshop and third Steering Committee Meeting of the GEF-funded project “Integrated Stockholm Convention toolkit to improve the transmission of information under Articles 07 and 15”

Overview of the outputs and outcomes of the in-country activities, lessons learned and remaining challenges in Kenya

Outputs and outcomes of the in-country activities

- Kenya was among the countries implementing the SSFA SC Reporting Toolkit Project
- The project was implemented by the Ministry of Environment, Climate Change and Forestry in collaboration with national stakeholders.
- The objective of the project was to test the usefulness of the integrated electronic toolkit in Kenya and contribute to improvement in the development , transmission, access and use of data in National Implementation Plans and National Reports.

Outputs and outcomes of the in-country activities

Outputs

1. Capacity building activities
2. 4 special workshops, 2 regional training 2 webinars
3. National Gap Analysis Report
4. National Data Report
5. Better understanding of the NIPs and their importance
6. Hardware and software for reporting

Outcomes

- Over 36 experts in government, private sector, civil society updated on inventories and NIPs
- 100 on training on review of NIPs and inventories , new regulation incorporating industrial POPs and UPOP
- Catch up on reporting on time, correctly and promoting Kenya's compliance to Article 15

Stakeholders involved in the implementation of the project included;

1. Ministry of Health 3
2. KAM
3. Fisheries
4. National Environment Management Authority 4
5. Pest Control Products Board 4
5. Kenya Bureau of Standards 2
6. Kenya Revenue Authority 2
7. Government Chemist 2
8. Civil Societies 5
9. Research institutions 5
10. Water Resources Authority 2



Project outputs and outcomes

Outputs

1. National Gap Analysis Report
2. Holding a national stakeholders workshop
3. POPs data revision/collection report
4. Testing of the toolkit with the collected POPs data and report on the linkages of the toolkit with data systems at the national level

Outcomes

- The project helped to increase the capacity of Kenya to collect/generate data required for reporting in National Implementation Plans and National Reports
- Through testing the toolkit, Kenya has capacity to transmit, access and use the data contained in NIP and National Reports.

Capacity built and Lessons learned following the in-country activities

Capacity built

- Kenya received training on collection of POPs data which has been a challenge.
- Kenya now understands how to navigate through the electronic toolkit and input data.
- Stakeholders understand the type of data that is required from them for reporting under the Stockholm Convention.

Lessons learned

- A stakeholder approach is better for reporting under articles 7 and 15 of the convention compared to hiring a consultant.
- There is need to strengthen stakeholder collaboration and information exchange at the national level.
- High level Policy engagement
- Good basis for identifying urgent and overdue issues

Toolkit uptake at country level

- The national stakeholders/ Sector leaders agreed that the electronic toolkit is simpler and more efficient compared to the old reporting system.
- Kenya is in the process of updating the NIP. The toolkit will be very instrumental in transmitting the reporting data. Kenya is more than ready to undertake without gaps
- Kenya will create a page for the to link the toolkit with the national chemicals portal/database that is to be launched soon still under development.

THANK YOU!

Outputs Validation Workshop and third
Steering Committee Meeting of the GEF-
funded project “Integrated Stockholm
Convention toolkit to improve the transmission
of information under Articles 07
and 15”

Overview of the outputs and outcomes of the in-country activities, lessons learned
and remaining challenges in MADAGASCAR

Activity 1 : update/ revise the national gap analysis

- Assess the information included in the national reports submitted to the Stockholm Convention Secretariat, for quality and completeness, with focus on quantitative information and related gaps;
- Assess the information included in the National Implementation Plan(s) submitted to the Stockholm Convention Secretariat, for quality and completeness, with focus on quantitative information and related gaps;
- Assess the correlation between the information included in the national reports and the information included in the National Implementation Plan submitted to the Stockholm Convention Secretariat, marking differences;

Output 1:

- National gap analysis final report and ppt presentation to be delivered at the National Workshop



Activity 2: National workshop

Introducing the gap analysis report

Organizing the POPs data revision/collection process

Making arrangements for the integrated electronic toolkit training and testing

Output 2: National Workshop Report

Activity 3 : Undertake revision/collection of POPs data

- Identifying team members for field survey and POPs data collection
- Documenting on data collection formats and data compilation methods prior starting the POPs data collection process.
- Conducting training for selected team members on new listed POPs inventories (at least for POPs listed up to 2015) and reporting obligations.
- Mapping out potential stakeholders either owning the data or contributing to POPs data revision/collection.
- Identifying data revision/collection methods: desk reviews, questionnaires etc.
- Identifying the specific formats for data collection as requested by the Stockholm Convention.
- Identifying compilation methods of data revised/collected at national level.
- Identifying/setting up the methods for validation and quality assurance/quality control (QA/QC) of data collected.
- Finalizing the POPs data collection and compilation of the information and data collected into the format of the NIP Submission Module of the Integrated Electronic Toolkit.


Output 3: Filled NIP submission Module Word Template

Activity 4 : Testing the integrated articles 7 and 15 electronic toolkit and exploring the potential linkages with the data management systems available at the national level

- Drafting Terms of Reference to hire an IT expert for supporting the national consultant/responsible persons in the ministry for Stockholm Convention implementation on the integrated electronic toolkit testing.
- Participating to the initial training on the structure, features and functionalities of the Integrated Electronic Toolkit, held by UNEP.
- Initiating the Integrated Electronic Toolkit testing, using the POPs data collected.
- Development of the Report compiling the potential linkages with the data management systems available at the national level.
- Development of the brief description of the arrangements for the administration of the Integrated Electronic Toolkit at the national level after the project ends.

Outputs 4:

- Testing the integrated electronic toolkit by uploading the POPs and data collected
- Report compiling the potential linkages with the data management systems available at the national level
- Report brief description of the arrangements for the administration of the Integrated Electronic Toolkit at the national level after the project ends



Capacity built and Lessons learned following the in-country activities

General information on data collection process

Considerations of data collection : pesticides, PCBs, POP-PBDE, HBCD, PFOS, PCP, PCN, SCCP, HCBD, uPOPs

Introduction of the materials prepared to support the data collection process



Toolkit uptake at country level

Madagascar stands ready to start using the toolkit once this becomes officially available and has relevant experience following its testing.

The toolkit comes at the right moment as Madagascar just initiated the NIP update.

The national stakeholder confirmed the importance of this toolkit and have expressed their willingness in starting using it.

A background graphic consisting of a network of interconnected nodes and lines. The nodes are represented by circles of various sizes and shades of green, ranging from light to dark. The lines are thin and light green, creating a complex web of connections across the entire page.

Outputs Validation Workshop and third Steering Committee Meeting of the GEF-funded project “Integrated Stockholm Convention toolkit to improve the transmission of information under Articles 07 and 15”

Overview of the outputs and outcomes of the in-country activities, lessons learned and remaining challenges in Republic of Molodva, Tatiana ȚUGUI, Dr.

Project: “Integrated SC toolkit to improve the transmission of information under Articles 07 and 15” in Republic of Moldova.

Beneficiary	<ul style="list-style-type: none">• Ministry of Environment
Executing Agency	<ul style="list-style-type: none">• UNEP
Implementing institution	<ul style="list-style-type: none">• Basel Convention Coordinating Centre, Stockholm Convention Regional Centre, for Capacity Building and Technology Transfer, hosted by Uruguay• National experts team
Duration	<ul style="list-style-type: none">• August 2020 - June 2023
Objectives	<ul style="list-style-type: none">• Enhanced compliance with the Stockholm Convention (SC) through improved transmission, accessibility and use of data (article 16) contained in National Implementation Plans (NIP, Article 7) and National Reports (Article 15) / Increased percentage of data from NIPs is used to report under Article 15 and used in Article 16

Outputs and outcomes of the in-country activities

- National gap analysis report: overview on the quality and completeness of the National Implementation Plan(s) and national reports already submitted by Republic of Moldova, as well as other information systems, and conclusions and recommendations;
- POPs data revision/collection process: data to be revised/collected, timelines, national arrangements, stakeholders involved, necessary training for inventory development;
- Arrangements for integrated articles 7 and 15 electronic toolkit training and testing.



National legal framework

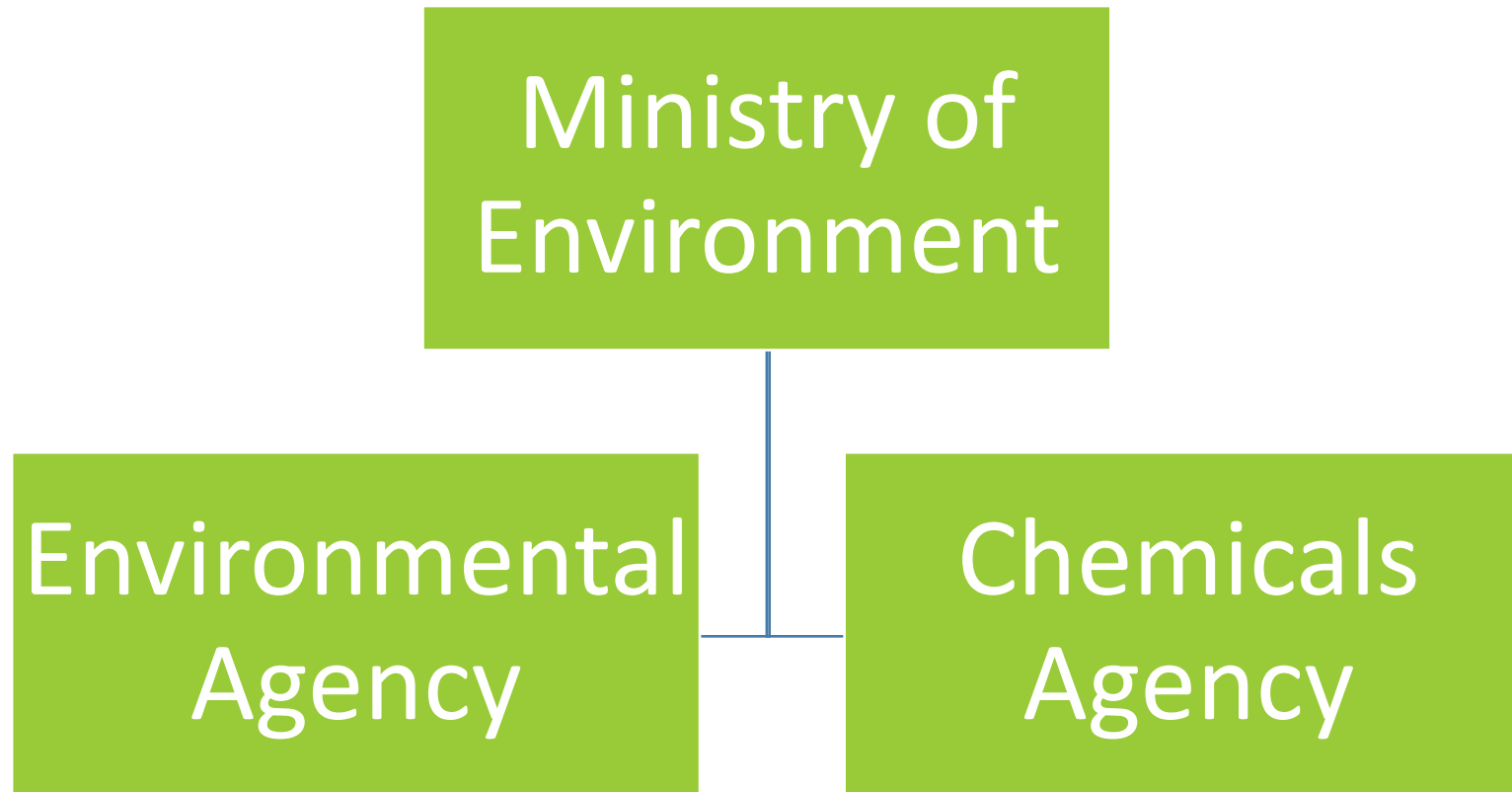
Policy framework

- Association Agreement between the Republic of Moldova and the European Union and the European Atomic Energy Community, and their Member States (Law 112/2014)
- National public health strategy for the years 2014-2020 (GD 1032/2013)
- National Program on Sustainable Management of Chemicals in the Republic of Moldova (GD 973/2010)
- Waste Management Strategy in the Republic of Moldova for the years 2013-2027 (GD 248/2013)

Legal Framework

- Law on Chemicals 277/2018
- Law on waste 209/2016
- Law no. 119/2004 on phytosanitary products and fertilizers
- GD 1155/2004 for the approval of the National Strategy on the reduction and elimination of persistent organic pollutants and the National Plan for the implementation of the Stockholm Convention on Persistent Organic Pollutants
- Decision No. 81/2009 for the approval of the Regulation on polychlorinated biphenyls
- GD no. 505/2020 for the approval of the Regulation on export and the import of hazardous chemicals
- GD 637/2003 on the control of transboundary shipments of waste and their disposal - draft GD on waste shipments
- Draft Regulation on POPs
- Decision No. 564/2009 for the approval of the Sanitary Regulation on establishing the conditions for placing biocidal products on the market

Institutional arrangements



Environmental Agency

- **coordinates** the implementation of the provisions of the **international environmental treaties** to which the Republic of Moldova is a part on the waste and transboundary movement,
- **elaborate and submit** to the Ministry information on their accomplishment
- **ensures** the implementation of the integrated **waste management** system
- **issues the Authorization** for the **export / transit** of waste, suspends, withdraws or prolongs its validity
- **issues notification** documents for the transboundary movement of the waste

Chemicals Agency (to be established)

ensure implementation and enforcement of provisions of legislation in the field of integrated management of substance, provisions of this Law and regulations arising from this law, except as otherwise provided in the Law;

represents the **national designated authority** for the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade, to which Moldova is a party;

is the **contact point** for communication and cooperation with the European Chemicals Agency with regards to chemicals legislation

develops, upon request of the economic operator, **the notification of export** of chemicals from Moldova and transmit the notification to the designated national authority

examines the export notifications received by the Agency from the designated national authorities of Parties and gives the import consent in accordance with the procedures for import and export for hazardous chemicals, set by the Government

grants authorizations to import or export of substances that deplete the ozone layer, equipment and products containing such substances

grants authorizations, permits for the marketing, distribution and/or other forms of transfer of particularly hazardous chemicals

ensure the establishment and **maintenance of the Classification and Labeling System and Inventory**

POPs listed (and to be listed) in the Law on waste no 209/2016, subject to restrictions and prohibitions

POP Pesticides

- ~~Aldrin, Old~~
- ~~Alphahexachlorocyclohexane~~
- ~~Betahexachlorocyclohexane~~
- ~~Chlordane, Old~~
- ~~Chlordecone~~
- ~~Dieldrin, Old~~
- ~~Endrin, Old~~
- ~~Heptachlor, Old~~
- ~~Hexachlorobenzene, Old~~
- ~~Lindane~~
- ~~Mirex, Old~~
- ~~Technical endosulfan~~
- ~~Toxaphene, Old~~

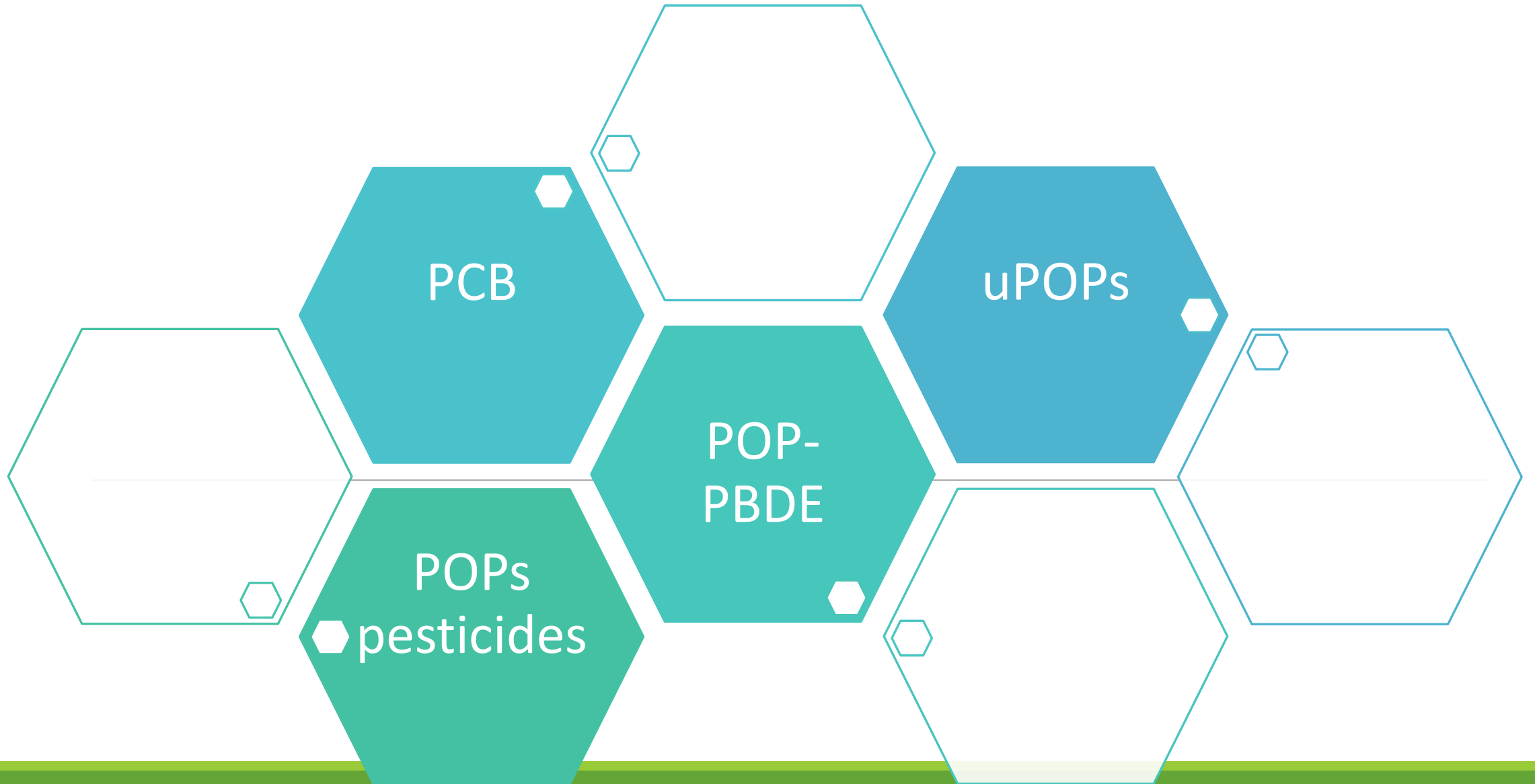
Industrial POPs

- Decabromodiphenyl ether
- Hexabromobiphenyl
- Hexabromocyclododecane
- Hexabromodiphenyl ether and heptabromodiphenyl ether
- Hexachlorobutadiene
- Pentachlorophenol and its salts
- Pentachlorobenzene
- Polychlorinated naphthalenes
- Short-chain chlorinated paraffins
- Tetrabromodiphenyl ether and pentabromodiphenyl ether
- DDT
- Polychlorinated Biphenyls, Old
- Perfluorooctane sulfonic acid
- Hexachlorobenzene, Old

uPOPs

- Hexachlorobenzene (HCB)
- Hexachlorobutadiene
- Pentachlorobenzene (PeCB)
- Polychlorinated biphenyls (PCB)
- Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF) P

Inventories



PCB



Name of Company	PCB contaminated equipment, in units	PCB contaminated oil, in tonnes
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

Stocks of unusable or expired plant protection products and fertilizers on 31.12.2021

Total	211.4074 tons
Unknown	48.15 tons



Inventory of POP PBDEs in EEE

Estimated total POP-PBDE in article produced

Year	Type of article containing POP-PBDEs	Countries of origin	Total annual import of item containing POP-PBDE (tonnes/year)	Estimated total POP-PBDE content of imported and produced items (tonnes/year)
2001	CRT	Moldova	15.8	0.02
2002	CRT		65.8	0.08
2003	CRT		85.8	0.11
2004	CRT		104.1	0.13
2005	CRT		97.5	0.12

Estimated total POP-PBDE in article imported

2018	CRT	European countries, China	1.6	0.0000
2019	CRT		2.3	0.0000
2020	CRT		0.4	0.0000
2018	Flat screen		477.3	0.0005
2019	Flat screen		619.5	0.0006
2020	Flat screen	523.2	0.0005	

Estimated total POP-PBDE content of EEE items in use/stock at consumer level

Year	Type of article containing POP-PBDEs	Total amount of POP-PBDE containing articles in use (tonnes/year)	Total estimated polymer fraction containing POP-PBDEs in articles in use/in stock (tonnes/year)	Estimated total content of POP-PBDEs in items in use/in stock (tonnes/year)
2018	CRT	500,0	150,0	0,001
2019	CRT	100,0	30,0	0,000
2020	CRT	13,8	4,1	0,000
2018	Flat screen	21484,1	7949,1	0,022
2019	Flat screen	23333,7	8633,5	0,024
2020	Flat screen	23763,7	8792,5	0.024



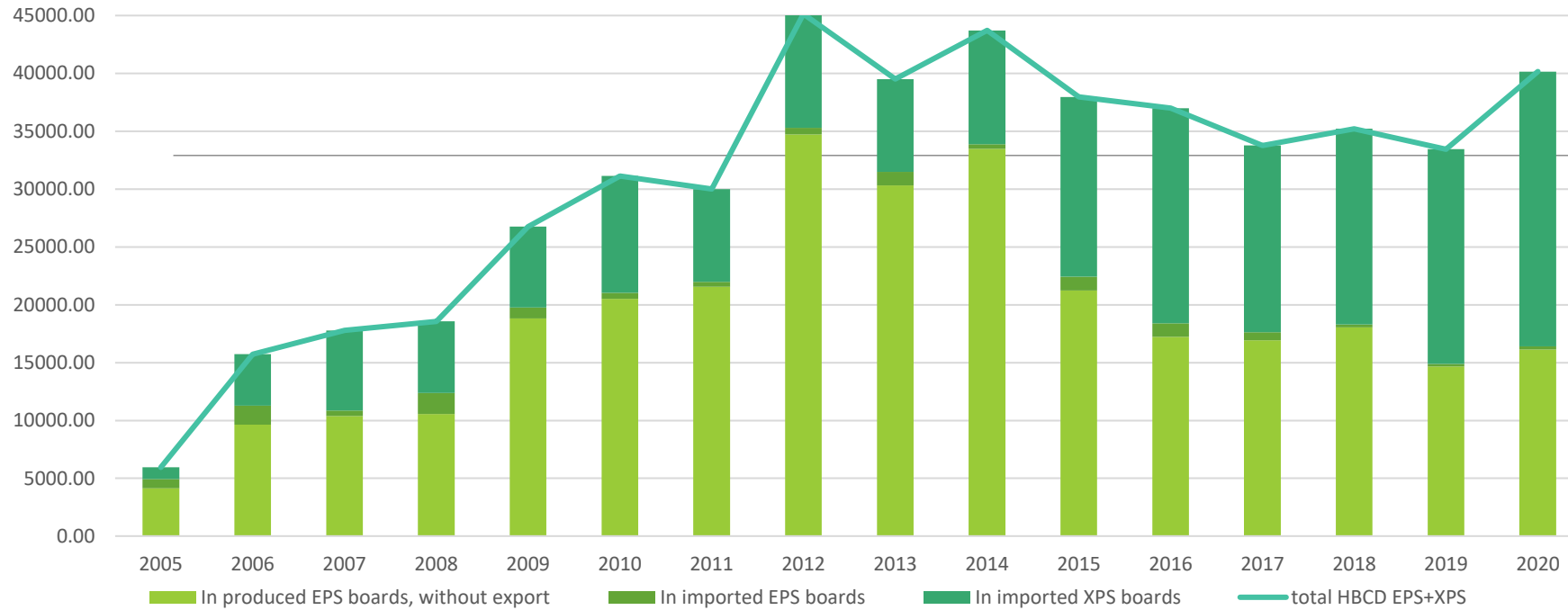
POP-PBDE inventory in the transport sector

Total POP-PBDE content in imported vehicles				
The year	Total annual import of articles/products containing POP-PBDEs (vehicles/year)	Estimated total polymer fraction containing POP-PBDEs in imported articles/products (tonnes/year)	PUR foam containing POP-PBDE in articles/products in use (tonnes/year)	Estimated total POP-PBDE content of imported articles/products (tonnes/year)
	2019	36754	5863	0.92
2020	33030	5368	0.82	0.78

Total POP-PBDE content in articles in use				
	Total quantity of items/products containing POP-PBDEs in use (vehicles/year)	Estimated total polymer fraction containing POP-PBDEs in articles/products in use (tonnes/year)	PUR foam containing POP-PBDE in articles/products in use (tonnes/year)	Estimated total content of POP-PBDEs in articles/products in use (tonnes/year)
2019	2,830,805	460062.42	71.1	148.42
2020	3,891,777	632491.59	97.70	209.67



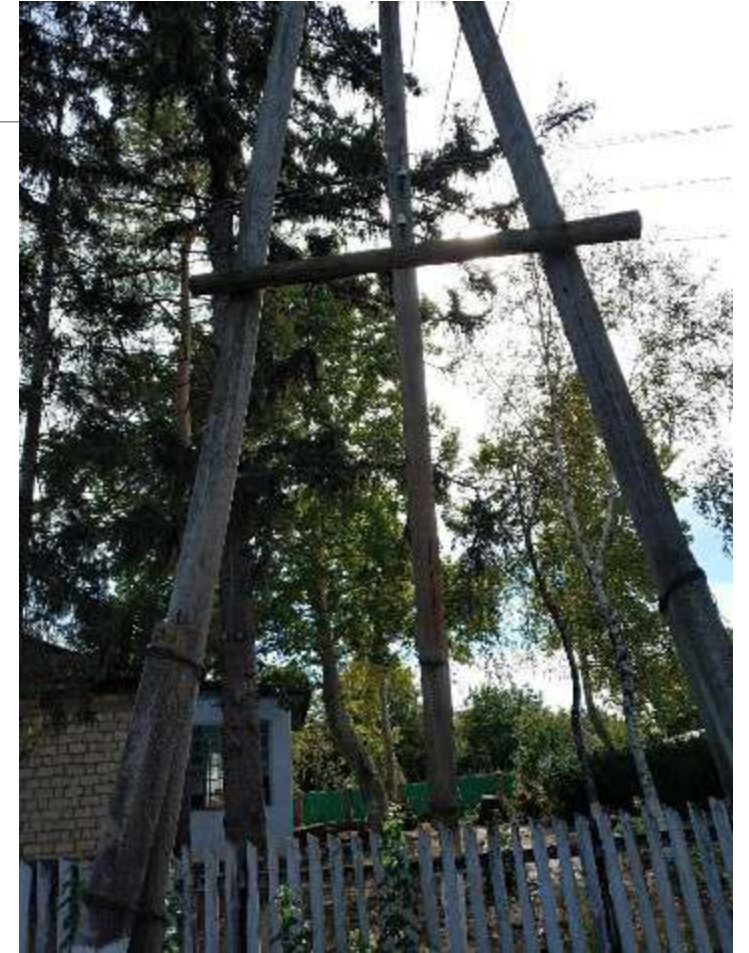
Estimated total HCBD in imported items/products, 2018-2020



kg	2018	2019	2020
In imported raw materials	29866.55	30752.50	27277.97
In produced EPS boards, without export	18059.89	14657.47	16122.82
In imported EPS boards	241.0	245.6	293.7
In imported XPS boards	16911.08	18542.64	23737.86
total HCBD EPS+XPS	35211.96	33445.72	40154.34



PCP assessment – not identified – wood is treated with creosote and chromated copper arsenate



PFOS assessment

The production of PFOS, its salts or related chemicals hasn't been ever recorded in MD

Customs database doesn't contain data on PSFOS, PFOAs, salts and related chemicals import to the country for any purposes

The assesment did not reveal stocks of PFOS, its salts and PFOSF in the electrical and electronic parts, firefighting foam, photographic images, hydraulic fluids and textiles.

Este conform cu Regulamentul (CE) nr. 1907/2006 (REACH), Anexa II, amendată prin Regulamentul (UE) nr. 2015/830

fomtec
Fire Fighting Foam & Equipment

AimAir

AEROPORTUL INTERNAȚIONAL MĂRCULEȘTI

Întreprinderea de Sărituri „Aeroportul Internațional Mărculești”, IDNO 1004607000530, MD-5028, Republica Moldova, satul Lungu, raionul Florești, telefon: +(373) 250 41 1 08, e-mail: info@aim.md

4. Locația și cantitatea de spumă de stingere a incendiilor utilizate în evenimente de incendiu reale (în ultimii 10 ani)

Nr.	Localitate	Anul	Tipul de spumă de stingere a incendiilor utilizată	Cantitate brută
-	-	-	-	-

Nu a fost utilizat.

Chestionar privind fluide hidraulice utilizate pentru aviație cu conținut de PFOS

Denumirea produsului	Cantitatea utilizată anual (ultimii 10 ani)	Concentrația masică de PFOS	Succ curent (sept 2020)
-	-	-	-

Nu a fost utilizat.

Anexă: Cerțișor Nr. 04/43 – 1 foi.

Cu respect,
Administrator  Nicolae C. LICHICI

Ex. Valeriu Căpățân
tel. 069-452163

FIȘĂ CU DATE DE SĂRITURI

SECȚIUNEA 1: Identi

1.1. Element de idee
Nume comercial
Fomtec AFFF
Produs nr.
10-6030-XX/

▼ Identificator c
Nu există da

1.2. Utilizări relevar
Utilizări de iden
Dispozitiv de
▼ Utilizați împor
Nu este spec

1.3. Detalii privind l
Companie și ad
Dafo Fomtec
Box 683
SE-13526 Ty
Sweden
+46 8 506 40

www.fomtec
Persoana de coi
CHR

E-mail
info@fomtec

Data SDS
2021-02-11

Versiune SDS
3.0

1.4. Număr de telef
NCEC CareCl

La Nr. 2696

Stima

Prin j
utilizează fl
care, confo
componentă

Anex

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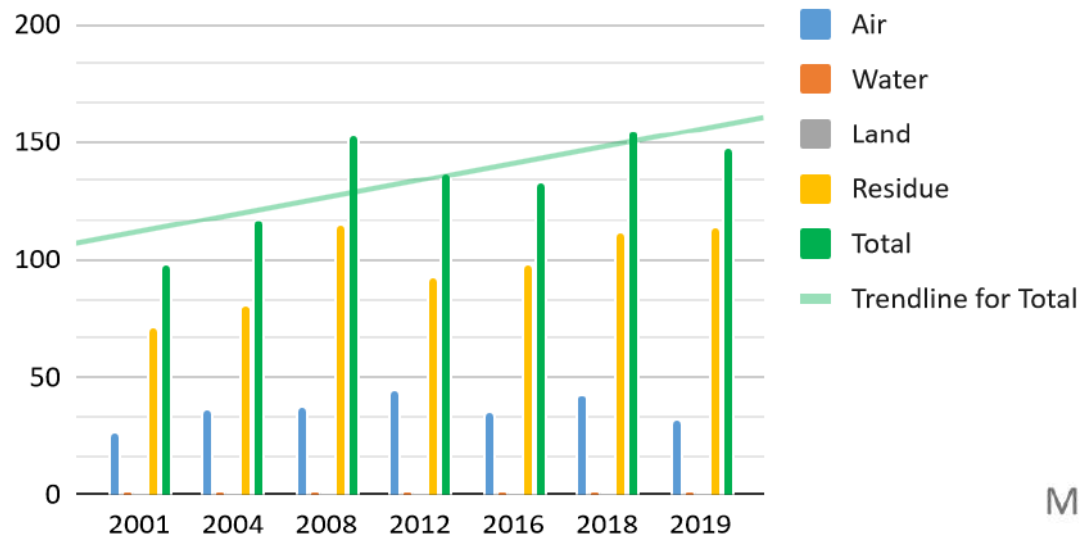
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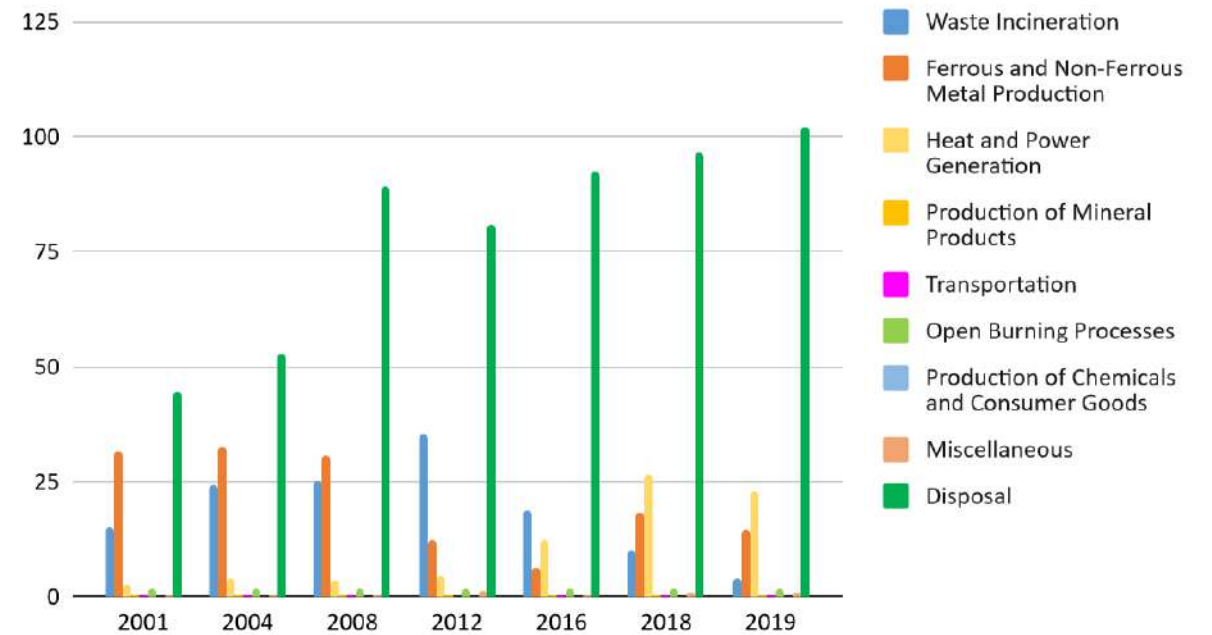
Ex. lu. Pancenc
tel.: 0 (22)-23-4;
mob.: + 373 69;
e-mail: jurie.pan@aimkmd.com

PCDD/PCDF emissions

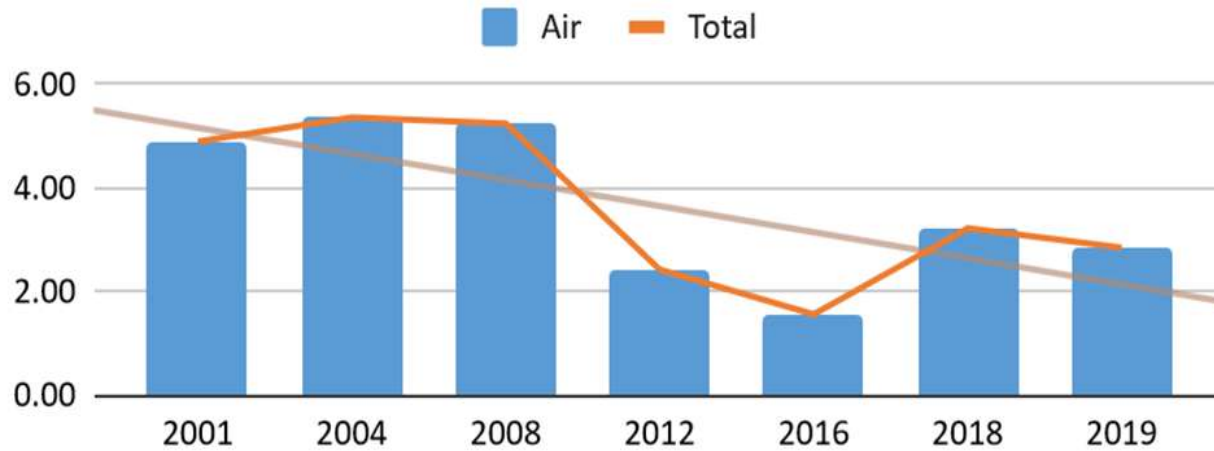
Moldova dioxins and furans total emission estimates, g I-TEQ/y



Moldova total dioxins and furans releases, by sources (g I-TEQ/a)

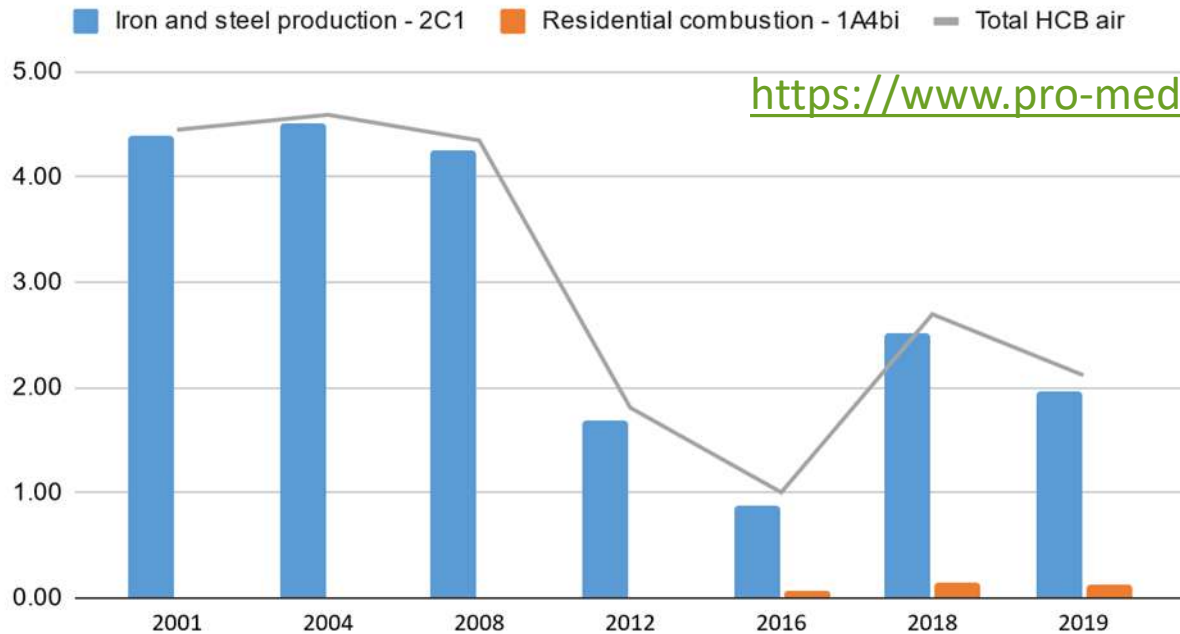


Moldova PCB total emission estimates, kg/y



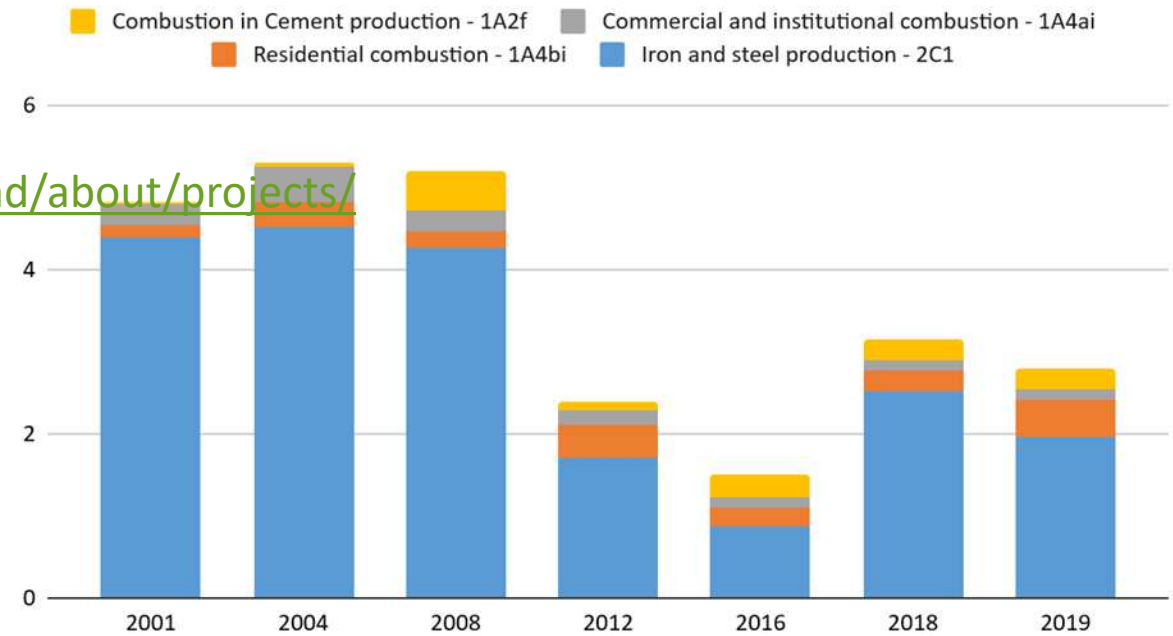
PCB and HCB emissions

Moldova HCB emissions to Air (kg/y)



<https://www.pro-mediu.md/about/projects/>

Moldova PCB emissions to Air (kg/y)



Inventarul
inhibitorilor de
flacără RO EN

Inventarul
bifenililor
policlorurați RO EN

Inventarul
stocurilor de
pesticide învechite



MUNI | RECETOX

PRO-MEDIU



MINISTERUL
MEDIIURII
ȘI CLIMATULUI

**INVENTORY
OF POP FLAME
RETARDANTS
IN THE REPUBLIC OF MOLDOVA**

Inventarul
emisiilor de POP
neintenționați



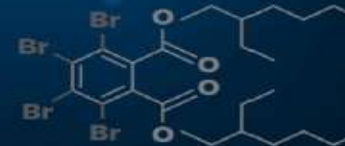
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PRO-MEDIU



MINISTERUL
MEDIIURII
ȘI CLIMATULUI

**INVENTARUL
INHIBITORILOR DE FLACĂRĂ
CU CONȚINUT DE POLUANȚI ORGANICI
PERSISTENȚI
ÎN REPUBLICA MOLDOVA**



<https://www.pro-mediu.md/about/projects/>

NIP
development

GD 386/2020

Integrated in
the Programme
for Sound
Management
of Chemicals

Process of
consultations
launched

Integrated in the Programme for Sound Management of Chemicals



- ❑ <https://particip.gov.md/ro/document/stages/anunt-privind-organizarea-consultarii-publice-asupra-conceptului-privind-elaborarea-programului-de-management-durabil-al-substantelor-chimice-pentru-anii-2023-2027/10008>
- ❑ March – public hearings
- ❑ April – Endorsement by the State Chancellery
- ❑ May - June - inter ministerial endorsements
- ❑ end of June – approval by the Govern

Capacity built on

Conducting inventories of certain POPs, including recently listing

Updating NIP by adding new POPs

Accessing and using online platform

Structuring the information to be suitable for NIP module

Lessons learned

Any new reporting system needs to be tested and piloted

Periodic training for newcomers (MoE & EA staff fluctuations)

Testing the toolkit

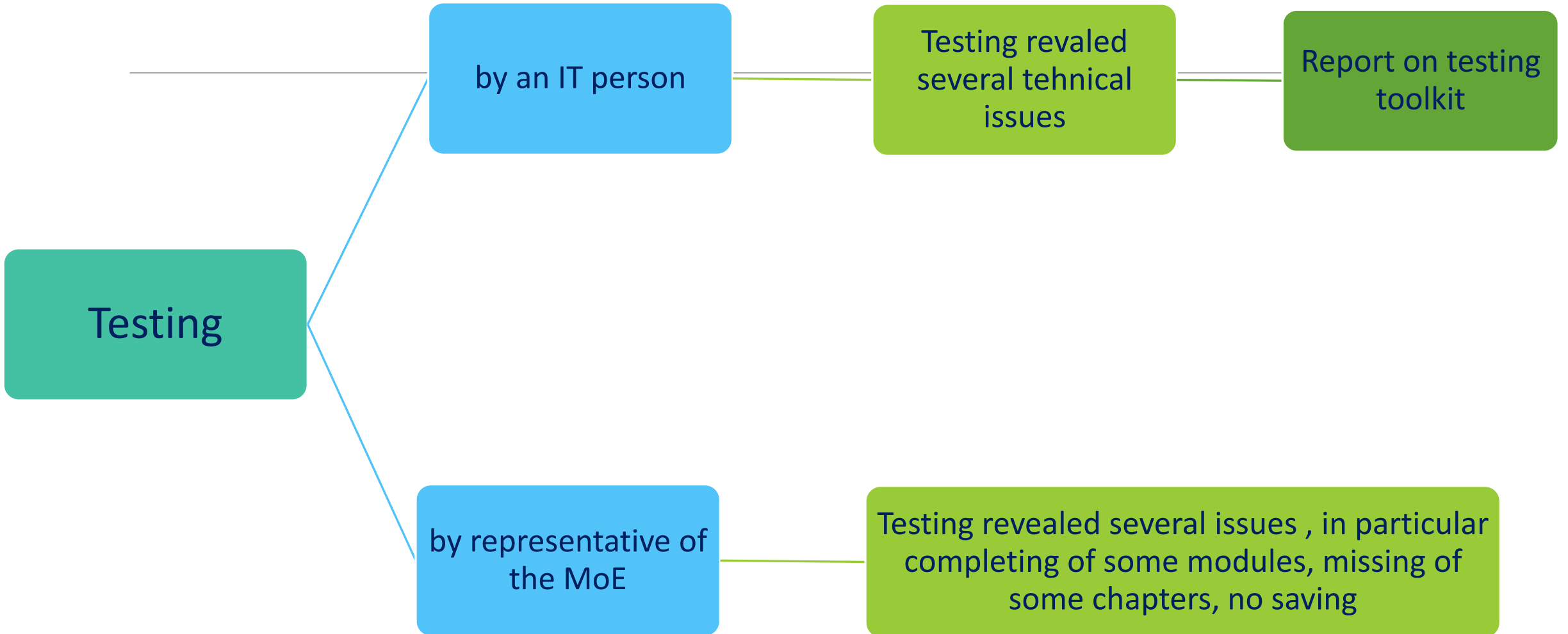
The screenshot displays the Stockholm Convention DNN-ADMIN interface. At the top, there are navigation tabs for 'Basel Convention', 'Rotterdam Convention', 'Stockholm Convention', and 'Synergies'. The main header features the UN Environment Programme logo and the text 'STOCKHOLM CONVENTION Protecting human health and the environment from persistent organic pollutants'. Below the header is a navigation menu with links for 'HOME', 'THE CONVENTION', 'PROCEDURES', 'IMPLEMENTATION', 'COUNTRIES', 'PARTNERS', and 'DNN-ADMIN'. A search bar is located on the right side of the menu.

The breadcrumb trail indicates the current location: 'You are here: Stockholm Convention > DNN-ADMIN > Test's > Gbamra test page 1'. The user is identified as 'Test User for Nips Ers' with a 'Logout' link.

The main content area is titled 'Test NIPs tool'. It includes several buttons: 'Full Screen', 'Create Initial NIP', 'Export table', 'Export to Excel', and 'Export to PDF'. A search bar is also present in this section.

On the left side, there is a sidebar titled 'Integrated Electronic Toolkit' which contains a 'NIP Module Toolkit' section. This section is highlighted with a red box and contains the following modules: 'Guidance Module', 'NIP Submission Module', 'POPs Inventories Module', and 'Queries Module'. A red arrow points from the 'NIP Submission Module' link in the sidebar to the 'NIP ID' column header in the table below.

<u>NIP ID</u>	<u>Deadlines for NIP transmission</u>	<u>NIP received date by the Secretariat</u>	<u>Country</u>	<u>Options</u>
---------------	---------------------------------------	---	----------------	----------------



Testing

by an IT person

Testing revealed several technical issues

Report on testing toolkit

by representative of the MoE

Testing revealed several issues, in particular completing of some modules, missing of some chapters, no saving

Toolkit uptake at country level

The electronic toolkit is welcomed and would facilitate the NIP submission and the reporting and avoid duplication of efforts

Editing view contains a vertical navigation menu located in the left part of the screen, which contains 163 items/links to the chapters (1st level menu) and subchapters (up to 5th level) of the NIP according to the standardized structure

The information shall be provided and tables facilitate submission of information in a structured and concise manner

Using the submitted NIP as base for the next NIP is an advantage to avoid efforts for data collection

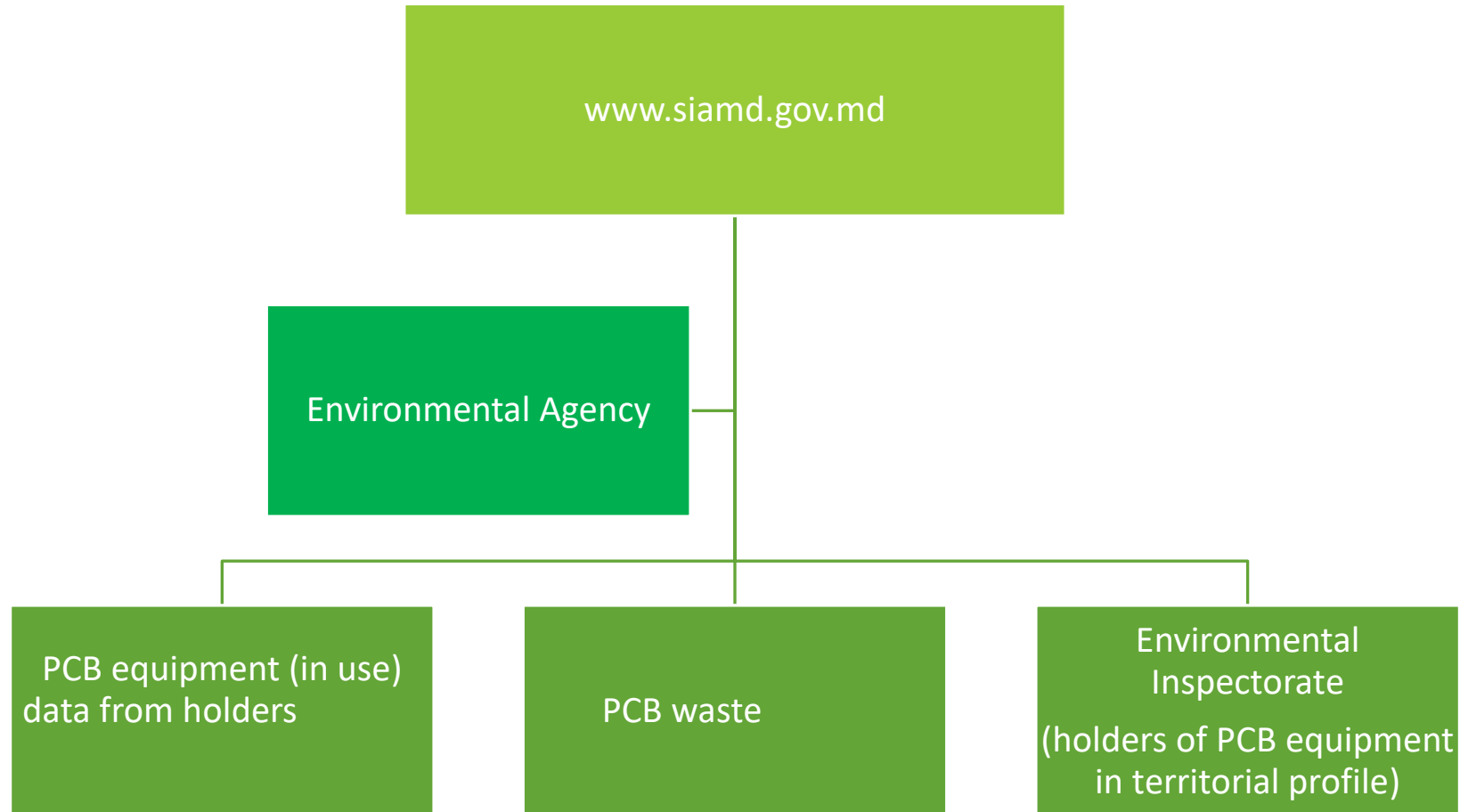
Available options for “Export to Excel” and “Export to PDF” are welcomed

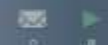
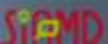
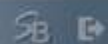
Available buttons - Edit, Details, Save, Next – important - *Edit (back to previous section , save, next section)*

One-choice answers with radio buttons Yes/No easy to complete

Waste Management Information System

(PCB equipment and waste reporting)





220721/20

Completarea raportului: Cererea **Raport PCB 220721/20**
 Data **22.07.2021**
 Mapa **Rapoarte noi**

DATELE OPERATORULUI

Înregistrat în SIAMD Companie înregistrată Companie nouă
 Denumirea companiei

INFORMAȚIA PRIVIND ECHIPAMENTUL CONTAMINAT CU BPC

* Va fi completat pentru fiecare unitate de echipament

Nr	Tipul echipamentului	Adresa unde este amplasat echipamentul: (localitatea, strada, bloc)	Model	Numărul (numerele) seriei	Anul producerii	Tipodimensiunea (puterea nominală, tensiunea)	Starea operațională	Starea echipamentului			Modul de păstrare	Echipamentul este marcat/etichetat conform HG 81/2009	Sursa de informație	Masa echipamentului uscat (kg)	Dimensiunile	Cantitatea de ulei/lichid (kg)	De ulei
								Stare bună	Curge	Necesită acțiuni urgente							
1								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>					

INFORMAȚIA PRIVIND DEȘEURILE CU CONȚINUT DE PCB

Nr	Dicționar	Cantitatea (buc, kg)	Caracteristicile locului depozitării deșeurilor	Perioada preconizată pentru tratarea deșeurilor	De
1	13 01 01* - uleiuri hidraulice cu conținut de BPC				
2	13 03 01* - uleiuri izolatoare și de transmitere a căldurii cu conținut de BPC				
3	16 01 09* - componente cu conținut de BPC				
4	16 02 09* - transformatoare și condensatoare cu conținut de BPC				

- Administration
- User management
- Classifiers
- Content editing
- Report Management
- Metrics
- Health
- Configuration
- Audit
- Logs
- Test components

Welcome Administrator Administrator

Your roles in this system are: ROLE_ADMIN

The **National Pollutant Release and Transfer Register** is systematized data on emissions of pollutants into air, water, soil and diffuse sources as well as off-site transfers of waste and of pollutants in waste water reported by the industrial operators carrying out one or more of the activities.

The overall objective of **NPTR** is to create an informational resource of information on environmental pollution, emissions to the air, water, soil and diffuse sources and the transfer of waste and pollutants, as well as to facilitate the access of decision-makers, public institutions, economic agents and the general public to this information.

The Pollutant Release and Transfer Register was developed by the Environmental Pollution Prevention (EPP) under the Ministry of Agriculture, Regional Development and Agriculture with the support of the following projects:

- Global Project on the Implementation of PRTS as a Test for PRTS reporting, administration and assessment using for Belarus, Cambodia, Ecuador, Kazakhstan, Moldova and Peru (GEP/UNEP/UNEP/UNEP)
- Strengthening capacities for the development of the national Pollutant Release and Transfer Register (NPTR) and supporting SACM implementation in two countries with economies in transition: the Republic of Moldova and the Republic of Macedonia (SACM/GEF Trust Fund)

Search the register

ECONOMIC OPERATOR INDUSTRIAL ACTIVITY

RETP Facilities





Thank you!

Dr. Tatiana TUGUI,
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info@pro-mediu.md
www.pro-mediu.md



**Overview of the outputs and outcomes
of the in-country activities, lessons
learned and remaining challenges**



**GEF
9884
PROJECT**

May 25, 2023

**OUTPUTS VALIDATION WORKSHOP AND THIRD STEERING COMMITTEE
MEETING OF THE GEF-FUNDED PROJECT "INTEGRATED STOCKHOLM
CONVENTION TOOLKIT TO IMPROVE THE TRANSMISSION OF
INFORMATION UNDER ARTICLES 07 AND 15"**

Outputs and outcomes of the in-country activities (1 of 5)

National Gap Analysis Updated

- **Capacity to transmit Art.15 report built** using NIP document as source of information



Outputs and outcomes of the in-country activities (2 of 5)

Compilation of revised/updated POPs data

- **Most recent POPs data/information available was extracted from NIP (2020) and entered into NIP module template** (Microsoft Word) provided by UNEP

Outputs and outcomes of the in-country activities (3 of 5)

Procedural Guidance for Preparing for Submission of Information on POPs to the SC

- *Useful tool for supporting institutional strengthening for focal agency. Will allow for continuity within DSD. No documentation of procedures for DSD existed prior.*

Outputs and outcomes of the in-country activities (4 of 5)

Report on Proceedings of Workshop

Improved awareness amongst focal agency staff **on:**

- **information required** in Art. 15 report and **where to find it in the NIP** document
- **Preparatory procedures for data collection** to support improved reporting
- **Importance of documenting dates** for measures taken to implement SC



Outputs and outcomes of the in-country activities (5 of 5)

Report on Potential Linkages with Available National DBMS and recommendations for National Administration of SC-Reporting Toolkit

- Two (2) **potential systems exist (launched in 2018) but not accessible/functional**



Capacity built and Lessons learned following the in-country activities

Capacity built within responsible agency to:

- ❑ report more **completely** and **accurately** and in a more **timely** manner.
- ❑ **Assume greater institutional responsibility for collecting data more regularly**



Lessons learned:

- ❑ Shift to less reliance on consultants data collection & report compilation possible
- ❑ A reliable national system for obtaining and updating data is critical to support use of NIP module. Need to create more opportunities for sharing experiences among countries participating in the project during execution of project (virtual modalities included)
- ❑ **Training on entering data into the NIP module could be enhanced with the inclusion exercises – module was not ready for testing at the time training was conducted**

Toolkit uptake at country level



DATA COLLECTION SYSTEM

Develop data collection system, inclusive of templates for use at national level



FUNDING

Pursue funding opportunities for the design and delivery of a dedicated POPs data application



TRAINING

Organize training for DSD staff and other relevant stakeholders who contribute to POPs data collection on MS Teams application

Need for a phased approach for owning and managing a data and information collection system for POPs & to enact supporting legislative framework to facilitate POPs data collection

Further training on use of SC Toolkit also needed

**Thank you for your
attention!**

Contact:
Department of Sustainable Development
Ministry of Education, Sustainable Development,
Innovation, Science Technology and Vocational Training
yjude.sde@gmail.com or annetteleo.sde@gmail.com

“
*"You can have data without information,
but you cannot have information without
data." ~ Daniel Keys Moran*
”



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Stockholm Convention Regional Centre
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Outputs Validation Workshop and third Steering Committee Meeting of the GEF-funded project “Integrated Stockholm Convention toolkit to improve the transmission of information under Articles 07 and 15”

Overview of the outputs and outcomes of the in-country activities, lessons learned and remaining challenges in Honduras

Presented by:

Centro de Estudios y Control de Contaminantes
CESCCO-SERNA



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Outputs and outcomes of the in-country activities

No	ACTIVITY	OUTPUT	Outcome
1	Gap Analysis Report	Developed the National Gap Analysis Report Document	Gaps, interlinkages, existent mechanism and strengthening needs for the compliance of Art 7 and 15 of the SC were identified.
2	National Workshops in Tegucigalpa Honduras for the launch of the project activities, review and collection of data on POPs and the testing of the toolkit.	National Workshops developed (4)	53 persons were trained in new POPs. The CNG is aware of the gaps and needs for complying Art. 7 and 15 of the SC
3	POPs data collection/review report.	POPS National Inventory developed	Update of POPS and new POP inventories. A first approximation of the current situation of the new POPs in Honduras is available, as well as gaps that must be addressed in future inventories.
4	Honduras Action Plan to close gaps in compliance with Articles 7 and 15.	Action plan for closing gaps presented	Actions needed for closing gaps, update of POPS inventories and National Implementation Plans.
5	Validate the toolkit to enhance the links of the database structures available at the national level	<ul style="list-style-type: none"> • Report on potential links with data management systems available at the national level. • Document for the administration of the integrated set of electronic tools to report compliance of Articles 7 and 15 at the national level. 	<ul style="list-style-type: none"> • Proposal of potential links with existing database systems in Honduras for the use of the set of electronic tools.



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Outputs and outcomes of the in-country activities

No	ACTIVITY	OUTPUT	Outcome
6	Strengthening of the National Chemical Products Commission	<p>Profile and current status of the National Commission for the Environmentally Sound Management of Chemicals (CNG).</p> <p>Update of the CNG directory, professional profile of members, for new and old members.</p> <p>Strategy for strengthening the National Commission for the Environmentally Sound Management of Chemicals.</p> <p>Design of general guidelines for updating the NIP and national report to the Stockholm Convention, preparation of a draft inter-institutional agreement for the exchange of information.</p>	<p>Actions needed for the strengthening of the CNG</p> <p>Institutional agreements exchange of information drafts</p> <p>Process flow for updating NIP and NR</p>



Outputs and outcomes of the in-country activities

NOTE:

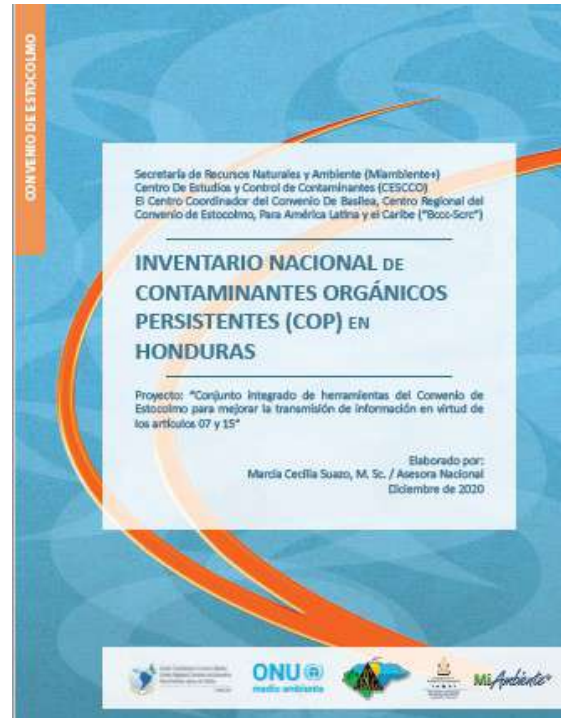
- As an additional contribution to the Project, the focal point of the Stockholm Convention was strengthened in specific equipment of the official meeting room of the National Chemical Products Commission that is located in CESCO, to promote comfortable working and coordinating spaces.
- Honduras was able to make its fourth and fifth national report on the Stockholm Convention to the BRS Secretariat as a result of the project implementation.



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Samples of Outputs/Deliverables





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Capacity built and Lessons learned following the in-country activities

- The activities of the Agreement were developed during the COVID-19 pandemic and as a good practice adopted to achieve the Project activities, virtual tools were used to develop the workshops and to update POPS inventories. This represented a financial saving during the execution of the SSFA agreement.
- A positive and collaborative response was obtained with the institutions linked to the generation of data, however, their response could be in la LTA and efficient if formal inter-institutional cooperation agreements are reached considering that they contribute to the national reports of MEAs.
- In order to guarantee the quality and fluidity of the data regarding POPs, within the framework of the aforementioned cooperation agreements, the institutional commitment must be guaranteed in the provision of the data without delays, if possible ensuring the permanence of data, specifically those institutionally linked with SERNA.
- The formalization of inter-institutional agreements would reduce the risk of information being dispersed and would lead to the completion of national reports or the preparation of National Plans. This could be seen as a comprehensive system rather than islands of institutional information. The experience of the project is that this convergence of data required a greater investment of time in the collection and review of existing information.



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Toolkit uptake at country level

Next steps should be:

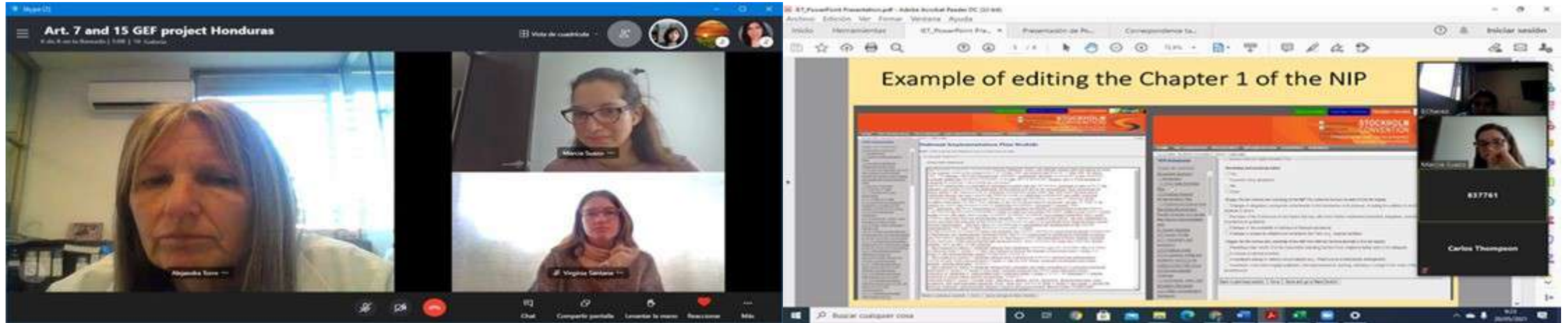
- The project was not able to validate the toolkit in its beta version, so it is necessary to train CESCO staff in the use of the toolkit with support the SC Regional Center in Uruguay. In the second half of 2023, new institutional staff will be established in CESCO so it could be a proper moment to train these new personnel.
- Validate and operate the toolkit by reporting the information of the latest NIP (2014) and the data from the new national inventories that have been developed with funding from the GEF and UNDP (PBDEs, PFOs, PCB & POP Pesticides).
- CESCO must socialize the toolkit with the National Chemical Products Commission (CNG), ministry offices in order to define obligations between the institutions for the generation and exchange of information to update NIPs and National Reports.
- CESCO in collaboration with other national institutions must established a national information exchange mechanism. Existing databases and synergies with other national inventories is considered a advantage.
- The reactivation of the Honduran PRTR as a useful tool for the NIP and National Report is important.



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Follow up meetings with UN Environment



Meeting with the authorities of the Planning Unit of MIAMBIENTE in regards of the Environmental Information Exchange Mechanism.



Visit to the National Environmental Information System in MIAMBIENTE/SERNA



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Thank you!

Especial thanks to:

- *Marcia Cecilia Suazo in assisting CESCO in the completion of the 4th and 5th national reports of the Stockholm Convention*
- *GEF Project 000072164 in giving quality review of SSFA final reports and POPS inventories.*
- *BCCC-Stockholm Convention Regional Centre in Uruguay*



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Outputs Validation Workshop and third Steering Committee Meeting of the GEF-funded project “Integrated Stockholm Convention toolkit to improve the transmission of information under Articles 07 and 15”

Proposals on further improvement of the toolkit structure, features, and functionalities - Honduras



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Proposals on further improvement of the toolkit structure, features, and functionalities

- At the time of completion of the project, the Project info-technology specialist concluded that the Toolkit still required improvements and additional work to enhance operability and fluidity of the data transmission.
- Honduras did not achieve the validation of the beta version due to external situations, Project closure happened before the validation of the tool.
- Training Honduras in the use of the new version of the toolkit is importante in order to provide feedback on the efficiency and effectiveness of the tool to Project stakeholders.
- Socialization of the tool at the national basis is important.