



## Project Implementation Report

(1 July 2022 – 30 June 2023)

Project Title:	<i>Environmentally sound management of polychlorinated biphenyl (PCB) - containing equipment and wastes and upgrade of technical expertise in Bolivia</i>
GEF ID:	5646
UNIDO ID:	140296
GEF Replenishment Cycle:	GEF-5
Country(ies):	Bolivia
Region:	LAC - Latin America and Caribbean
GEF Focal Area:	Persistent Organic Pollutants (POPs)
Integrated Approach Pilot (IAP) Programs <sup>1</sup> :	N/A
Stand-alone / Child Project:	Stand-alone
Implementing Department/Division:	TCS/CCM/RMC
Co-Implementing Agency:	N/A
Executing Agency(ies):	Ministerio de Medio Ambiente y Agua
Project Type:	Medium-Sized Project (MSP)
Project Duration:	36
Extension(s):	3
GEF Project Financing:	USD 2,000,000
Agency Fee:	USD 190,000
Co-financing Amount:	USD 9,696,435
Date of CEO Endorsement/Approval:	11/20/2014
UNIDO Approval Date:	12/17/2014
Actual Implementation Start:	2/1/2015
Cumulative disbursement as of 30 June 2023:	1,956,071.14
Mid-term Review (MTR) Date:	NA
Original Project Completion Date:	2/1/2018
Project Completion Date as reported in FY22:	12/31/2022
Current SAP Completion Date:	12/31/2022
Expected Project Completion Date:	12/31/2022

<sup>1</sup> Only for GEF-6 projects, if applicable

Expected Terminal Evaluation (TE) Date:	2/1/2023
Expected Financial Closure Date:	7/31/2024
UNIDO Project Manager <sup>2</sup> :	Lamia Benabbas

## I. Brief description of project and status overview

Project Objective		
<p>The aim of the project is to strengthen national capacities for the Environmentally Sound Management (ESM) of PCBs, including disposal of up to 400 tons of PCB and related wastes and reduction/elimination of PCB released from serviced electrical equipment at workshops and interim storage locations, to avoid cross-contamination of electrical equipment and to protect human health and the environment.</p>		
Project Core Indicators		Expected at Endorsement/Approval stage
	PCB concentrated oils disposed of and average cost [1.4.1.20]	The project estimated that 127.84 tons (357 units) will be collected for final disposal.
	PCB contaminated oils disposed of, or decontaminated, and average cost [1.4.1.21]	The project estimated that 127.84 tons (357 units) will be collected and decontaminated/disposed of.

Baseline
<p>Due to the development of electric power and the progress and increase of industrial activities during the 20th century around the world, equipment has been developed that has improved the generation and transmission of this energy. One of the main components of this equipment are the dielectric oils, many of which contain PCBs, for which its inventorying and subsequent elimination is necessary.</p> <p>Prior to the project, Bolivia has demonstrated a strong interest, both politically and financially, in the development of the environmental management system of PCBs and their disposal. There was a need for a GEF funded project to develop a nationally structured approach that would facilitate its commitments to the Stockholm Convention. However, the country still needed technical and financial assistance to create this national capacity. The implementation of the project sought to assist the country in adopting measures for the inventory, storage, temporary and final disposal of these chemical compounds by 2028.</p>

Please refer to the explanatory note at the end of the document and select corresponding ratings for the current reporting period, i.e. FY23. Please also provide a short justification for the selected ratings for FY23.

In view of the GEF Secretariat's intent to start following the ability of projects to adopt the concept of adaptive management<sup>3</sup>, Agencies are expected to closely monitor changes that occur from year to year and demonstrate that they are not simply implementing plans but modifying them in response to developments and circumstances or understanding. In order to facilitate with this assessment, please introduce the ratings as reported in the previous reporting cycle, i.e. FY22, in the last column.

<sup>2</sup> Person responsible for report content

<sup>3</sup> Adaptive management in the context of an intentional approach to decision-making and adjustments in response to new available information, evidence gathered from monitoring, evaluation or research, and experience acquired from implementation, to ensure that the goals of the activity are being reached efficiently

Overall Ratings <sup>4</sup>	FY23	FY22
Global Environmental Objectives <b>(GEOs)</b> / Development Objectives <b>(DOs)</b> Rating	<i>Satisfactory (S)</i>	<i>Satisfactory (S)</i>
During the reporting period, the technical team <b>finalized the project</b> . The Project ended operationally on 31 December 2022. The Terminal Evaluation was completed in February 2023 – Overall rating: SATISFACTORY.		
Implementation Progress <b>(IP)</b> Rating	Satisfactory (S)	Satisfactory (S)
<p>Most activities were finalized <u>before</u> this reporting period.</p> <p><u>During</u> the reporting period (July 2022 - June 2023) only the following activities took place:</p> <ul style="list-style-type: none"> <li>• Capacity building on PCB Information systems</li> <li>• Capacity building on PCB regulation/legislation</li> <li>• Local treatment of PCBs</li> <li>• Terminal evaluation.</li> </ul> <p>The only <u>pending payment</u> of the project is the final payment to subcontractor, TREDI, hired for final disposal of PCBs. Payment will be processed when the final disposal of PCBs is complete. To date, TREDI has completed local treatment. The last large transformer is currently being disassembled. The waste for export was consolidated on June 24<sup>th</sup> 2023, and the container is currently at the port terminal in Santos, Brazil, awaiting the ship towards Europe for final disposal.</p>		
Overall <b>Risk</b> Rating	Moderate Risk (M)	Moderate Risk (M)
During this reporting period, the level of risk was similar to previous PIRs, as the same risk factors remained. The same mitigation measures were in place to avoid further delays. Regarding the remaining activity to be completed in the second half of 2023 (Output 2.4: final disposal of PCBs by TREDI), risk is low as the activity is ongoing and on schedule.		

## II. Targeted results and progress to-date

Please describe the progress made in achieving the outputs against key performance indicator's targets in the project's **M&E Plan/Log-Frame at the time of CEO Endorsement/Approval**. Please expand the table as needed.

Project Strategy	KPIs/Indicators	Baseline	Target level	Progress in FY-23
<b>Component 1 – Regulatory and institutional strengthening and awareness raising for the implementation of PCB related measures of the SC on POPs</b>				
Outcome 1: Regulatory and institutional capacities for environmentally sound management of PCBs strengthened				

<sup>4</sup> Please refer to the explanatory note at the end of the document and assure that the indicated ratings correspond to the narrative of the report

Output 1.1: Institutional representatives to the Project Steering Committee, and representatives to the Technical Committee appointed	Steering Committee Appointed	Project Steering Committee in Bolivia is being integrated.	Steering Committee is fully appointed and working as programmed for the project implementation	<p><b>Output completed before this reporting period.</b></p> <p><b>Previous reporting periods:</b> SC appointed and working as programmed.</p> <p>During reporting period (July 2021-June 2022), there was one main Steering Committee meeting (01/19/2022). The SC agreed to prepare a project status report so that the Vice Ministry of Environment, as leader of the Committee, can request the project extension to UNIDO to adequately achieve all the project objectives.</p> <p>Since project inception, there were 8 Steering Committee meetings, as reported in previous PIR.</p>
	Technical Committee appointed	Technical Committee needs to be selected and appointed	Technical Committee is fully appointed and working as planned during the project implementation	<p><b>Output completed before this reporting period.</b></p> <p><b>Previous reporting periods:</b> TC appointed and working as programmed. Since project inception, there were 16 Technical Committee meetings, as reported in previous PIR.</p>
Output 1.2: Legal Framework drafted	Environment policies strategies, laws, regulation approved/enacted	Insufficiency of existing laws, regulations and official guidelines on PCBs in Bolivia.	Draft laws, regulations, guidelines drafted/improved and in line with SC requirements within the first year	<p><b>Output completed before this reporting period.</b></p> <p><b>Previous reporting periods:</b> The government approved the specific legislation for PCB called "General Regulation of Adequate Environmental Management of Polychlorinated Biphenyls (RGGAA-PCB)". Approval registration: Ministerial Resolution No. 727 (12/30/2021).</p> <p>5 Technical Guidelines on Procedures for the Environmentally Sound Management of PCB and 3 informative bulletins were developed and shared with the main stakeholders.</p>

Output 1.3: Environmental Technical Government staff (inspectors and regulators), authorities of the different sectors must be trained to implement the legislation adopted	Training participants/trainees (male/female) on PCB-related regulations	Lack of knowledge on PCB-related legislation among environmental technical governmental staff and relevant technical authorities	At least 50 local environmental inspectors and regulators trained on regulations (male/female)	<p><b>During this reporting period, the following was achieved:</b></p> <ul style="list-style-type: none"> <li>1 Technical capacity building on ESM of PCBs for general public: <ul style="list-style-type: none"> <li>La Paz <ul style="list-style-type: none"> <li>74 female (68,52%)</li> <li>34 male (31,48%)</li> </ul> </li> </ul> </li> <li>2 International technical capacity building on ESM of PCBs: <ul style="list-style-type: none"> <li>Sta Cruz <ul style="list-style-type: none"> <li>31 female (49%)</li> <li>32 male (51%)</li> </ul> </li> <li>La Paz <ul style="list-style-type: none"> <li>28 female (47%)</li> <li>32 male (53%)</li> </ul> </li> </ul> </li> <li>4 Capacity buildings on (and presentation of) the PCB general regulation, and National PCB Information System: <ul style="list-style-type: none"> <li>Oruro <ul style="list-style-type: none"> <li>23 female (35,38%), 42 male (64,61%)</li> </ul> </li> <li>La Paz: <ul style="list-style-type: none"> <li>28 female (46,6%), 32 male (53,3%)</li> </ul> </li> <li>Santa Cruz <ul style="list-style-type: none"> <li>31 female (49,2%), 32 male (50,79%)</li> </ul> </li> <li>Cochabamba <ul style="list-style-type: none"> <li>10 female (38,46%), 16 male (61,53%)</li> </ul> </li> </ul> </li> </ul> <p><b>Previous reporting periods:</b> Target to be achieved in the third quarter of 2022.</p> <p>As the specific legislation for PCB was recently approved and is under printing process, the technical team is organizing training workshops (on the national PCB legislation in Bolivia) to train Bolivian authorities, inspectors and regulators.</p> <p>Anyway, the project took the opportunity to train more than 300 stakeholders (Authorities, inspectors and technicians) in Stockholm Convention regulations and National Laws (N° 1333 and 755) regarding on hazardous waste</p>
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				and Environmentally Sound Management of PCB.  # of Women: 127 # of Men: 282
	Inspections within the framework of legislation conducted		At least 50 inspections conducted	<b>Output completed before this reporting period.</b>  <b>Previous reporting periods:</b> During previous period (FY 22), 59 inspections have been carried out within the framework of environmental management that incorporates the environmentally sound management of PCB.
Output 1.4: Society awareness-raising and training conducted	Training participants/trainees (male/female) from civil society, especially workers and community people	Civil society lacks the knowledge on PCB management and risks associated with environment and human health	At least 2 trainings aimed at NGOs and 1 awareness-raising campaign for the general public;	<b>Output completed before this reporting period.</b>  <b>Previous reporting periods:</b> During the project implementation, 4 trainings and 9 awareness- raising campaigns events were held aimed at NGOs, universities, other institutions and general public.  2 NGOs and 3 universities participated in the events, as well as public/private companies from the electricity, hydrocarbon and mining sectors.
			At least 50 participants (male/female)	<b>Output completed before this reporting period.</b>  <b>Previous reporting periods:</b> Despite not being able to hold face-to-face meetings in 2021 due to the Pandemic, during the virtual technical meetings, all company's technicians and authorities were trained.  There were more than 200 attendees, including civil society, inspectors, authorities and technicians. # of Women: 127, # of Men: 282
<b>Component 2 – Environmentally sound management (ESM) of PCB-containing electrical equipment and waste</b>				
Outcome 2: Environmentally sound management (ESM) of PCBs established				
Output 2.1: Methods for PCBs analysis adopted and laboratories accredited for PCB analysis	Accredited methods Adopted	There are no laboratories certified by the Competent	All relevant methods assessed and at least one	<b>Activity cancelled in FY20.</b>  At the Steering Committee meeting of the first quarter of 2020, it was

	Laboratories accredited	Authority in this parameter; accreditation process is very long.	adopted  One laboratory is accredited for PCB analysis	agreed that this activity would no longer be carried out due to the lack of Bolivian laboratories interested in the activity.
Output 2.2: ESM system for control and disposal of PCBs established, including a guide on mitigation measures on environment, safety and occupational health, and relevant staff trained	ESM strategy is available, guide is published and training plan is ready for implementation. Concerned staff is trained	Lack of ESM strategy for PCB	Approved ESM strategy is implemented. It has been discussed and approved. Relevant staff has been trained and ESM implemented into the relevant sectors	<b>Output completed before this reporting period.</b>  <b>Previous reporting periods:</b> The ESM Plan and Strategy were developed and is ready for is implementation.  There were prepared guides, bulletins and manuals: 5 Technical Guidelines 3 informative bulletins 2 manuals.
Output 2.3: In-depth inventory of the major PCB-contaminated equipment and oils, with the development of the national management plan for PCB disposal	Inventory of equipment sampled, analyzed and identified	An up-to-date, reliable national PCB inventory is missing	Samples from equipment representing up to 400 tons of PCB contaminated oil and wastes are taken;	<b>Output completed before this reporting period.</b>  <b>Previous reporting periods:</b> The project organized, reviewed and selected the PCB inventory to be analyzed by gas chromatography (282 samples in total).
	Information system for inventory monitoring implemented	Lack of information system for the inventory	National PCB inventory Available	<b>Output completed before this reporting period.</b> <b>During this reporting period,</b> the following data were confirmed: After the Chromatography analysis, 455 units were detected, with a total weight of 149.69 Tons.  <b>Previous reporting periods:</b> After the Chromatography analysis, only 455 units were detected, with an estimated weight of 94.18 Tons. As of today, 130 tons were collected. The total weight is to be confirmed by TREDI (the company in charge of the PCB elimination and final disposal), because Bolivian companies don't have weight records on the equipment detected.
			Information system ready	<b>Output completed before this reporting period.</b>  <b>Previous reporting periods:</b>

				<p>The Information System for the final inventory of PCB was developed and approved by the Vice-Ministry of Environment.</p> <p>Link to the Information System: <a href="#">Information System</a></p>
Output 2.4: PCB disposal plan implemented, PCBs phased out and long-term strategy developed	Existence of a phase out plan for PCB-containing equipment;	Phase-out plan for PCB disposal is missing;	A phase-out plan is ready and approved for the phase out of PCB (in-use and already phased-out equipment);	<p><b>Output completed before this reporting period.</b>  <b>During this reporting period,</b> the following data were confirmed: The PCB elimination plan includes 149.69 tons.</p> <p><b>Previous reporting periods:</b>  The PCB elimination plan includes 455 units (130 tons approx.). The total weight will be confirmed by TREDI after the collection.</p>
	Quantity of PCBs (tons) eliminated/discontinued; Quantity of PCB (tons) contaminated equipment safeguarded	Up to 400 tons of PCB are identified to be disposed in an environmentally sound manner	Up to 400 tons of PCB disposed in an environmentally sound manner	<p><b>During this reporting period:</b> The PCB collection process in Bolivia started in March 2022, due to delays from the Vice Ministry of Environment to send the project extension request.</p> <p>The subcontractor, TREDI, completed local treatment. The last large transformer is currently being disassembled. The waste for export was consolidated on June 24th 2023, and the container is currently at the port terminal in Santos, Brazil, awaiting the ship towards Europe for final disposal.</p> <p><b>Previous reporting period:</b>  The PCB collection process in Bolivia started in March 2022, due to delays from the Vice Ministry of Environment to send the project extension request. The final disposal is programmed for September 2022.</p>
	Existence of a long-term PCB phase-out strategy	No long-term PCB elimination strategy available	A national long-term phase-out strategy available	<p><b>Output completed before this reporting period.</b></p> <p><b>Previous reporting period:</b>  The Long-term treatment/elimination strategy for Polychlorinated Biphenyls (PCB) is available and under implementation.</p>



### III. Project Risk Management

1. Please indicate the overall project-level risks and the related risk management measures: (i) as identified in the CEO Endorsement document, and (ii) progress to-date. Please expand the table as needed.

	(i) Risks at CEO stage	(i) Risk level FY 22	(i) Risk level FY 23	(i) Mitigation measures	(ii) Progress to-date	New defined risk <sup>5</sup>
1	Lack of institutional support for PCB management related policy	Modest risk (M)	Modest risk (L)	<p>The national multi-stakeholder coordinating committee for the NIP development will be a support for implementing the PCB project and will build the required institutional support through its close relationship with the Vice-Ministry of Environment and Water, through PRONACOPs.</p> <p>Proactive activities by the Project Management Unit and UNIDO Representative support in Bolivia to achieve different inter-institutional meetings in relation to the coordination, consensus and approval of the proposed regulation</p>	<p>The project team had constant contact through email, phone calls and meetings with all stakeholders, including Committee Members to enhance the support for PCB legal framework.</p> <p>Continuous meetings were held with the different national units (counterparts): Unit for Analysis of Social and Economic Policies - UDAPE/Ministry of Planning and Bolivian Ministries and other companies participating in the project. A consensus was reached and finally the legal framework was approved. Approval registration: Ministerial Resolution No. 727 (12/30/2021).</p>	
2	Lack of interest from public or private sector, for the fear of additional obligations to eliminate equipment containing PCB, without appropriate financial support	Modest risk (M)	Modest risk (L)	<p>The establishment of a financial mechanism for replacing PCB contaminated equipment and facilitating its elimination is addressed at project implementation.</p> <p>These financial measures are integrated into the PCB elimination and disposal strategy developed. In kind and cash co-financing commitments were obtained during the PPG phase through workshops and meetings with the stakeholders, where issues like these were discussed.</p> <p>The Project Management Unit had different meetings with all the companies participating in the project with the aim of finding an adequate space that complies with all technical and legal specifications for the collection, preparation, export and subsequent elimination/treatment of PCB stocks</p>	<p>During all communications, the benefits of the project for private and public stakeholders were reported, mainly in activities related to trainings and final PCB removal.</p> <p>Meetings were held with the companies, but unfortunately, in some cases due to the geographical location (distance, access, roads, and others); it was not technically suitable for the collection.</p> <p>However, PMU proactive work could coordinate and agree with all companies their support, so they started to prepare (with no cost for the project) its PCB stocks for a better and easier collection.</p>	

<sup>5</sup> New risk added in reporting period. Check only if applicable.

2. If the project received a sub-optimal risk rating (H, S) in the previous reporting period, please state the actions taken since then to mitigate the relevant risks and improve the related risk rating. Please also elaborate on reasons that may have impeded any of the sub-optimal risk ratings from improving in the current reporting cycle; please indicate actions planned for the next reporting cycle to remediate this.

N/A

3. Please indicate any implication of the **COVID-19** pandemic on the progress of the project.

**During this reporting period**, there were no delays in the project execution due to the COVID-19 Pandemic. Previously, the pandemic had caused delays in various activities, but the project was on track in this reporting period.

**During the project**, there were delays in the project execution due to the COVID-19 Pandemic situation at the global and national level. Most of the Ministries and other public entities reduced the number of technicians working at the same time, so they all wouldn't get infected at the same time.

In that way, in some cases the project had to wait for the companies' technicians and authorities to come back to work to coordinate. Still, the PMU continued working and coordinating all project activities through virtual meetings (Skype, Google Meets, Zoom, and others).

In this sense, it was possible to demonstrate considerable progress to achieve most of the project targets. The COVID-19 pandemic, also affected the international process to receive proposals for the final elimination/disposal stage of PCB in Bolivia, this process took longer due to the lack of proposals for the COVID-19 situation at global level.

However, the project achieved most of the targets defined, and it was necessary to request a final extension.

4. Please clarify if the project is facing delays and is expected to request an **extension**.

N/A

5. Please provide the **main findings and recommendations of completed MTR**, and elaborate on any actions taken towards the recommendations included in the report.

N/A – no MTR undertaken.

#### IV. Environmental and Social Safeguards (ESS)

1. As part of the requirements for **projects from GEF-6 onwards**, and based on the screening as per the UNIDO Environmental and Social Safeguards Policies and Procedures (ESSPP), which category is the project? *This is a GEF 5 project.*

Category A project

Category B project

Category C project

(By selecting Category C, I confirm that the E&S risks of the project have not escalated to Category A or B).

Please expand the table as needed.

	E&S risk	Mitigation measures undertaken during the reporting period	Monitoring methods and procedures used in the reporting period
(i) Risks identified in ESMP at time of CEO Endorsement	NA	NA	NA
(ii) New risks identified during project implementation (if not applicable, please insert 'NA' in each box)	NA	NA	NA

## V. Stakeholder Engagement

1. Using the previous reporting period as a basis, please provide information on **progress, challenges and outcomes** regarding engagement of stakeholders in the project (based on the Stakeholder Engagement Plan or equivalent document submitted at CEO Endorsement/Approval).

### This reporting period:

The technical team continuously coordinated with all relevant counterparts throughout the project, including public authorities and companies. In this reporting period, relevant stakeholders participated in the Terminal evaluation and cooperated for the successful implementation of project.

2. Please provide any feedback submitted by national counterparts, GEF OFP, co-financiers, and other partners/stakeholders of the project (e.g. private sector, CSOs, NGOs, etc.).

All the companies recognized and demonstrated the great importance of this project for Bolivia, as well as the importance of achieving an extension of the project to adequately complete it and achieve the objectives.

### Throughout the project:

The Vice-Minister of Environment requested the extension of the Project, which was approved until December 2022, to achieve the development of all the scheduled activities and for the project to finish successfully.

All the companies participating in the Project responded and supported in an effective and very positive manner in the activities scheduled for collection, transportation, conditioning, for subsequent disposal/treatment.

All the companies recognized and demonstrated the great importance of the project for Bolivia, as well as the importance of achieving an extension of the project to adequately complete it and achieve the objectives

3. Please provide any **relevant stakeholder consultation** documents.

*No new relevant stakeholder consultation documents produced in this reporting period.*

## VI. Gender Mainstreaming

1. Using the previous reporting period as a basis, please report on the **progress achieved on implementing gender-responsive measures and using gender-sensitive indicators**, as documented at CEO Endorsement/Approval (in the project results framework, gender action plan or equivalent),.

For every event/meeting, each entity or company named its focal points, technicians and participants. However, the project always encouraged and promoted equal gender participation. There was a positive response as there was a high women participation in the project events.

Reporting Period:

- # of attendees (women): 225 (51%)
- # of attendees (men): 220 (49%)

Total project:

- # of attendees (women): 352 (41%)
- # of attendees (men): 502 (59%)

In previous reporting periods, the participation of women was lower than male. However, in the current periods, thanks to the promotion gender equality by the Project, participation of women was higher than men's.

## VII. Knowledge Management

1. Using the previous reporting period as a basis, please elaborate on any **knowledge management activities / products**, as documented at CEO Endorsement / Approval.

*During this reporting period, there were no new knowledge management products.*

*Capacity-building activities are mentioned in Section II: Targeted results and progress to-date (output 1.3)*

2. Please list any **relevant knowledge management mechanisms / tools** that the project has generated.

**Throughout the project**, the following there generated:

1. 5646\_Bulletin Health and Safety against PCB.pdf
2. 5646\_Bulletin PCB Risks and Effects.pdf
3. 5646\_Bulletin Polychlorinated Biphenyls PCB.pdf
4. 5646\_Estrategia de Eliminación de PCB
5. 5646\_Final Elimination Plan
6. 5646\_Guia 1 - identificacion e inventario de PCB
7. 5646\_Guia 2 - Procedimiento para manipulacion de existencia
8. 5646\_Guia 3 - Buenas Practicas y reduccion de riesgos
9. 5646\_Guia 4 - Procedimientos de GAA de PCB
10. 5646\_Guia 5 - Manejo Ambiental de PCB
11. 5646\_Kit and L2000DX analyzer manual
12. 5646\_PCB Information System Manual
13. 5646\_PCB Legal Framework - Approval RM 727
14. 5646\_SISIN Report January 2022.pdf
15. 5646\_SISIN Report February 2022.pdf
16. 5646\_SISIN Report March 2022.pdf
17. 5646\_SISIN Report April 2022.pdf
18. 5646\_SISIN Report May 2022.pdf
19. 5646\_SISIN Report June 2022.pdf
20. 5646\_SISIN Report July 2022.pdf
21. 5646\_SISIN Report August 2022.pdf
22. 5646\_SISIN Report September 2022.pdf

23. 5646\_SISIN Report October 2022.pdf  
 24. 5646\_SISIN Report November 2022.pdf

Link to the PCB Information System in Bolivia: <http://snia.mmaya.gob.bo/web/modulos/pronacops/sinpcb>

## VIII. Implementation progress

1. Using the previous reporting period as a basis, please provide information on **progress, challenges and outcomes achieved/observed** with regards to project implementation.

Most activities were finalized before this reporting period.

During the reporting period (July 2022 - June 2023) only the following activities took place:

- Capacity building on PCB Information systems
- Capacity building on PCB regulation/legislation
- Local treatment of PCBs
- Terminal evaluation.

The only pending task of the project is the final payment to subcontractor, TREDI, hired for final disposal of PCBs. Payment will be processed when the final disposal of PCBs is complete. To date, TREDI has completed local treatment. The last large transformer is currently being disassembled. The waste for export was consolidated on June 24<sup>th</sup> 2023, and the container is currently at the port terminal in Santos, Brazil, awaiting the ship towards Europe for final disposal.

**ANNEX: Final project report\_PCB Bolivia\_05.12.2022**

2. Please briefly elaborate on any **minor amendments**<sup>6</sup> to the approved project that may have been introduced during the implementation period or indicate as not applicable (NA).

Please tick each category for which a change has occurred and provide a description of the change in the related textbox. You may attach supporting documentation, as appropriate.

X	Results Framework	As mentioned in previous PIRs, at the Steering Committee meeting of the first quarter of 2020, it was agreed and approved by all members that Output 2.1 (Methods for PCBs analysis adopted and laboratories accredited for PCB analysis) would no longer be carried out due to the lack of Bolivian laboratories interested in the activity
	Components and Cost	
	Institutional and Implementation Arrangements	
	Financial Management	
X	Implementation Schedule	Due to the last extension requested by the Vice-Ministry of Environment and approved by

<sup>6</sup> As described in Annex 9 of the *GEF Project and Program Cycle Policy Guidelines*, **minor amendments** are changes to the project design or implementation that do not have significant impact on the project objectives or scope, or an increase of the GEF project financing up to 5%.

		UNIDO, with the aim of adequately completing and achieving all the project objectives, an extension and rescheduling of the Work Plan were agreed until 12/31/2022.
	Executing Entity	
	Executing Entity Category	
	Minor Project Objective Change	
	Safeguards	
	Risk Analysis	
	Increase of GEF Project Financing Up to 5%	
	Co-Financing	
	Location of Project Activities	
	Others	

### 3. Please provide progress related to the **financial implementation** of the project.

*The main financial expenses are detailed in the table below (GRANT DELIVERY REPORT).*

#### **SUMMARY**

- Total Budget executed: USD 1,956,071.14
- Budget executed in reporting period: USD 188,272.51

#### **BREAKDOWN**

1. International Consultants and National Consultants (BL 11 and 17): to support the project activities, coordination, communications and monitoring of the final disposal of PCB stocks.

- Total Budget executed: USD 525,313.45
- Budget executed in reporting period: USD 16,990.68

2. Local travels (BL 15) to support, coordinate and monitor the company TREDI/INAMTRADES in charge of collecting stocks contaminated with PCB.

- Total Budget executed: USD 41,401.89
- Budget executed in reporting period: USD 19,779.45

3. Contractual Services for the company selected (BL 21) for the final stage of the project related to the collection and final Elimination/treatment of PCB stocks in Bolivia.

- Total Budget executed: USD 1,313,587.22
- Budget executed in reporting period: USD 150,105.09

4. Budget allocated to International Meetings (BL 35)

- Total Budget executed: USD 6,058.50
- Budget executed in reporting period: USD 0


5. Equipment to some cost of equipment support (BL 45).

- Total Budget executed: USD 56,178.24
- Budget executed in reporting period: USD 25.33

6. Other direct costs (BL 51) were incurred for payments to UNDP, UNDSS and others.

- Total Budget executed USD 9,117.78
- Budget executed in reporting period: USD 1,229.86

**GRANT DELIVERY REPORT (FULL DURATION OF THE PROJECT):**

		GRANT DELIVERY REPORT				Grant:		20000297/2		Grant Status:		Authority to implement		Grant Validity:		12.01.2015 - 31.12.2022	
		Sponsor:		400150 - GEF - Global Environment Facility		Currency:		USD		Reporting Period:				12.01.2015 - 30.06.2023			
		Other Reference:		5845-U3-PJ-MS-GR-01		Fund:		GF		Prepared on:				17.07.2023			
Project	Project Description	Country	Region	Project Manager				Project Validity									
140296	ENVIRONMENTALLY SOUND MANAGEMENT OF POLYCHLORINATED BIPHENYL (PCB) - CONTAINING EQUIPMENT AND WASTES AND UPGRADE OF TECHNICAL EXPERTISE IN BOLIVIA	Bolivia	The Americas	Alfredo Hernan Cueva Jacome				01.02.2015 - 31.12.2022									
	Description	Released Budget Current Year (a)	Obligations Current Year (b)	Disbursements Current Year (c)	Expenditures Current Year (d=b+c)	Total Agreement Budget (e)	Released Budget (f)	Obligations + Disbursements (g)	Funds Available* (h=f-g)	Support Cost (i)	Total Expenditures (j=g+i)						
140296		USD	USD	USD	USD	USD	USD	USD	USD	USD	USD						
140296-1-01-01	1. Regulatory and Institutional Capacity																
1100	Staff & Intern Consultants	0.00	(6,961.80)	7,149.90	188.10	87,355.41	87,355.41	86,943.99	411.42	0.00	86,943.99						
1500	Local Travel	0.00	0.00	0.00	0.00	13,539.95	13,539.95	12,314.55	1,225.40	0.00	12,314.55						
1700	Nat.Consult./Staff	0.00	0.00	0.00	0.00	20,568.04	20,568.04	20,568.04	0.00	0.00	20,568.04						
2100	Contractual Services	0.00	0.00	0.00	0.00	133,660.90	133,660.90	133,585.55	75.35	0.00	133,585.55						
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	4,130.81	4,130.81	4,130.81	0.00	0.00	4,130.81						
3500	International Meetings	0.00	0.00	0.00	0.00	6,058.50	6,058.50	6,058.50	0.00	0.00	6,058.50						
4500	Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
5100	Other Direct Costs	0.00	0.00	0.00	0.00	607.72	607.72	707.89	(100.17)	0.00	707.89						
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25,109.19	25,109.19						
140296-1-01-01	Total	0.00	(6,961.80)	7,149.90	188.10	265,919.33	265,919.33	264,307.33	1,612.00	25,109.19	289,416.52						
140296-1-01-02	2. ESM of PCBs / Investment	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD						
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	68,682.48	68,682.48	68,627.69	54.79	0.00	68,627.69						
1500	Local Travel	0.00	0.00	0.00	0.00	22,330.09	22,330.09	21,316.51	1,013.58	0.00	21,316.51						
1700	Nat.Consult./Staff	0.00	0.00	0.00	0.00	65,957.11	65,957.11	67,117.66	(1,160.55)	0.00	67,117.66						
2100	Contractual Services	0.00	(458,361.78)	458,164.14	(197.64)	1,197,500.98	1,197,500.98	1,170,850.40	26,650.58	0.00	1,170,850.40						
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	283.25	283.25	283.25	0.00	0.00	283.25						
4500	Equipment	0.00	0.00	11.04	11.04	56,151.87	56,151.87	56,178.24	(26.37)	0.00	56,178.24						
5100	Other Direct Costs	0.00	0.00	0.00	0.00	1,402.06	1,402.06	2,064.56	(662.50)	0.00	2,064.56						
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	131,711.85	131,711.85						
140296-1-01-02	Total	0.00	(458,361.78)	458,175.18	(186.50)	1,412,307.84	1,412,307.84	1,386,438.31	25,869.53	131,711.85	1,518,150.16						
140296-1-51-02	Project Management Costs	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD						
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	44.14	44.14	44.14	0.00	0.00	44.14						
1500	Local Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
1700	Nat.Consult./Staff	0.00	0.00	0.00	0.00	218,613.28	218,613.28	219,938.94	(1,325.66)	0.00	219,938.94						
2100	Contractual Services	0.00	0.00	0.00	0.00	9,182.43	9,182.43	9,151.27	31.16	0.00	9,151.27						
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
4500	Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
5100	Other Direct Costs	0.00	0.00	0.00	0.00	3,580.28	3,580.28	3,861.71	(281.43)	0.00	3,861.71						
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22,134.67	22,134.67						
140296-1-51-02	Total	0.00	0.00	0.00	0.00	231,420.09	231,420.09	232,996.06	(1,575.97)	22,134.67	255,130.73						
140296-1-53-01	Monitoring and Evaluation Framework	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD						
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	28.77	28.77	28.77	0.00	0.00	28.77						
1500	Local Travel	0.00	0.00	0.00	0.00	9,000.00	9,000.00	7,770.83	1,229.17	0.00	7,770.83						
1700	Nat.Consult./Staff	0.00	0.00	0.00	0.00	62,046.22	62,046.22	62,046.22	0.00	0.00	62,046.22						
2100	Contractual Services	0.00	0.00	0.00	0.00	12,794.13	12,794.13	0.00	12,794.13	0.00	0.00						
3000	Train/Fellowship/Study	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3500	International Meetings	0.00	0.00	0.00	0.00	4,000.00	4,000.00	0.00	4,000.00	0.00	0.00						
5100	Other Direct Costs	0.00	0.00	0.00	0.00	2,483.62	2,483.62	2,483.62	0.00	0.00	2,483.62						
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,871.37	6,871.37						
140296-1-53-01	Total	0.00	0.00	0.00	0.00	90,352.74	90,352.74	72,329.44	18,023.30	6,871.37	79,200.81						
140296	Total	0.00	(465,323.58)	465,325.08	1.50	2,000,000.00	2,000,000.00	1,956,071.14	43,928.86	185,827.08	2,141,898.22						
200002972	USD Total	0.00	(465,323.58)	465,325.08	1.50	2,000,000.00	2,000,000.00	1,956,071.14	43,928.86	185,827.08	2,141,898.22						

**IX. Work Plan and Budget**

1. Please provide an updated project work plan and budget for the remaining duration of the project, as per last approved project extension. Please expand/modify the table as needed.

*There is no new work plan or budget for the remaining duration of the project, as the project finished on 31 December 2022.*

## X. Synergies

### 1. Synergies achieved:

*Please see previous reporting periods.*

### 3. Stories to be shared (Optional)

## XI. GEO LOCATION INFORMATION

The Location Name, Latitude and Longitude are required fields insofar as an Agency chooses to enter a project location under the set format. The Geo Name ID is required in instances where the location is not exact, such as in the case of a city, as opposed to the exact site of a physical infrastructure. The Location & Activity Description fields are optional. Project longitude and latitude must follow the Decimal Degrees WGS84 format and Agencies are encouraged to use at least four decimal points for greater accuracy. Users may add as many locations as appropriate.

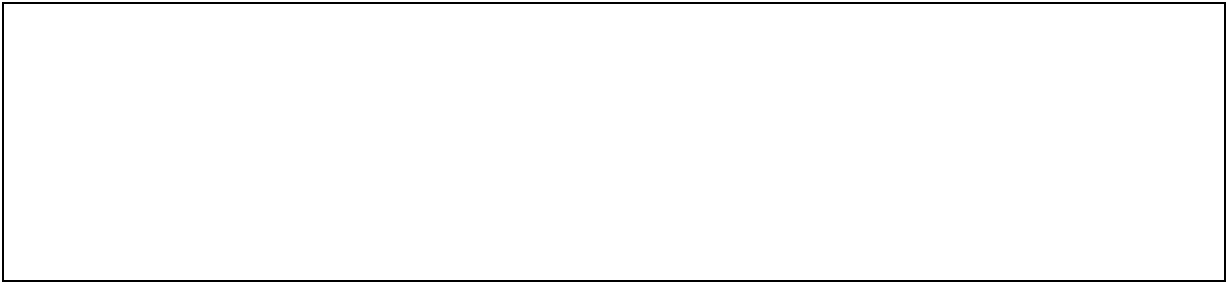
Web mapping applications such as [OpenStreetMap](#) or [GeoNames](#) use this format. Consider using a conversion tool as needed, such as: <https://coordinates-converter.com>

Please see the Geocoding User Guide by clicking [here](#)

Location Name	Latitude	Longitude	Geo Name ID	Location and Activity Description
Ministry of Environment and Water, Bolivia	-16.525340718315768	-68.1077768448546		Executing Agency
La Paz				Capacity building
Santa Cruz				Capacity building
Cochabamba				Capacity building
Oruro				Capacity building

**Please provide any further geo-referenced information and map where the project interventions is taking place as appropriate.**





## EXPLANATORY NOTE

1. **Timing & duration:** Each report covers a twelve-month period, i.e. 1 July 2022 – 30 June 2023.
2. **Responsibility:** The responsibility for preparing the report lies with the project manager in consultation with the Division Chief and Director.
3. **Evaluation:** For the report to be used effectively as a tool for annual self-evaluation, project counterparts need to be fully involved. The (main) counterpart can provide any additional information considered essential, including a simple rating of project progress.
4. **Results-based management:** The annual project/programme progress reports are required by the RBM programme component focal points to obtain information on outcomes observed.

Global Environmental Objectives (GEOs) / Development Objectives (DOs) ratings	
<b>Highly Satisfactory (HS)</b>	Project is expected to achieve or exceed <u>all</u> its major global environmental objectives, and yield substantial global environmental benefits, without major shortcomings. The project can be presented as "good practice".
<b>Satisfactory (S)</b>	Project is expected to <u>achieve most</u> of its <u>major</u> global environmental objectives, and yields satisfactory global environmental benefits, with only minor shortcomings.
<b>Moderately Satisfactory (MS)</b>	Project is expected to <u>achieve most</u> of its major <u>relevant</u> objectives but with either significant shortcomings or modes overall relevance. Project is expected not to achieve some of its major global environmental objectives or yield some of the expected global environmental benefits.
<b>Moderately Unsatisfactory (MU)</b>	Project is expected to achieve <u>some</u> of its major global environmental objectives with major shortcomings or is expected to <u>achieve only some</u> of its major global environmental objectives.
<b>Unsatisfactory (U)</b>	Project is expected <u>not</u> to achieve <u>most</u> of its major global environmental objectives or to yield any satisfactory global environmental benefits.
<b>Highly Unsatisfactory (HU)</b>	The project has failed to achieve, and is not expected to achieve, <u>any</u> of its major global environmental objectives with no worthwhile benefits.

Implementation Progress (IP)	
<b>Highly Satisfactory (HS)</b>	Implementation of <u>all</u> components is in substantial compliance with the original/formally revised implementation plan for the project. The project can be presented as "good practice".
<b>Satisfactory (S)</b>	Implementation of <u>most</u> components is in substantial compliance with the original/formally revised plan except for only few that are subject to remedial action.
<b>Moderately Satisfactory (MS)</b>	Implementation of <u>some</u> components is in substantial compliance with the original/formally revised plan with some components requiring remedial action.
<b>Moderately Unsatisfactory (MU)</b>	Implementation of <u>some</u> components is <u>not</u> in substantial compliance with the original/formally revised plan with most components requiring remedial action.
<b>Unsatisfactory (U)</b>	Implementation of <u>most</u> components in <u>not</u> in substantial compliance with the original/formally revised plan.
<b>Highly Unsatisfactory (HU)</b>	Implementation of <u>none</u> of the components is in substantial compliance with the original/formally revised plan.

Risk ratings	
Risk ratings will assess the overall risk of factors internal or external to the project which may affect implementation or prospects for achieving project objectives. Risk of projects should be rated on the following scale:	
<b>High Risk (H)</b>	There is a probability of greater than <b>75%</b> that assumptions may fail to hold or materialize, and/or the project may face high risks.
<b>Substantial Risk (S)</b>	There is a probability of between <b>51%</b> and <b>75%</b> that assumptions may fail to hold or materialize, and/or the project may face substantial risks.
<b>Moderate Risk (M)</b>	There is a probability of between <b>26%</b> and <b>50%</b> that assumptions may fail to hold or materialize, and/or the project may face only moderate risk.
<b>Low Risk (L)</b>	There is a probability of up to <b>25%</b> that assumptions may fail to hold or materialize, and/or the project may face only low risks.