

GEF-FUNDED PROJECT

GEF ID 5600: Review and update of the National Implementation Plan for the Stockholm Convention on Persistent Organic Pollutants (POPs) in Morocco”

Project Operational Completion Report

Reporting period: project start (July 2014)– project operational completion (October 2021)

Prepared for UN Environment Programme
and Ministry of Energy, Mines, Water and Environment/ Department of Environment

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Project Information Table

Identification Table		
Project Title	Development of a review and update of the national implementation plan for the Stockholm Convention on Persistent Organic Pollutants (POPs) in Morocco	
Duration months	<i>Planned</i>	24 months
	<i>Extension(s)</i>	3
Division(s) Implementing the project	Industry and Economy Division	

¹ In the event that a signature is not received back from the Executing Agency within 10 working days, kindly enter the date an email requesting signature was sent, who it was sent to at the Executing Agency and who sent the email from UNEP.

Name of Co-implementing Agency		
Executing Agency(ies)		Ministry of Energy, Mines, Water and Environment/ Department of Environment
Names of Other Project Partners		
Project Type		Enabling Activity
Project Scope		National Implementation Plan
Region		West Asia
Countries		Morocco
Programme of Work		<p>Outcome 5(a) PoW 2014-2015 - countries increasingly have the necessary institutional capacity and policy instruments to manage chemicals and waste soundly, including the implementation of related provisions in the multilateral environmental agreements”.</p> <p>Output: 5. Provision of consolidated advisory and support services that promote the sound management of chemicals at the national level, including its mainstreaming into national policies and programmes, instruments, and schemes for the governance of production, use, trade and release of chemicals</p>
GEF Focal Area(s)		Chemicals and Waste
UNSDCF / UNDAF linkages		The project is in line with the UNDAF 2012-2016, which was developed based on national guidelines and priorities of the Moroccan Government and based in national development priorities, the 2030 Agenda and the principles of the UN Charter. It supports national stakeholders to reach the SDGs in an integrated manner, with a commitment to leave no one behind, human rights and other international standards and obligations.
Link to relevant SDG target(s) and SDG indicator(s)		12.4.1: number of parties to international multilateral environmental agreements on hazardous waste, and other chemicals that meet their commitments and obligations in transmitting information as required by each relevant agreement.
GEF financing amount		USD 200,913
Co-financing amount		USD 0
Date of CEO Endorsement		11 October 2013
Start of Implementation		9 July 2014
Date of first disbursement		16 November 2015
Total disbursement as of 30 April 2022		USD 165,409.43
Total expenditure as of 30 April 2022		USD 165,409.43
Expected Mid-Term Review Date		N/A
Completion Date	<i>Planned</i>	31 May 2017
	<i>Revised</i>	31 October 2021
Expected Terminal Evaluation Date		
Expected Financial Closure Date		28 February 2023

Geo-referenced Maps



The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

Abbreviations and Technical Terms

Abbreviation/Technical Term	Definition
BRS	Basel, Rotterdam and Stockholm Conventions
COP	Conference of the Parties COP
GEF	Global Environment Facility
MoE	Ministry of Energy, Mines, Water and Environment under the Department of Environment
NIP	National Implementation Plan
PCA	Project Cooperation Agreement
PCB	Polychlorinated Biphenyls
PFOS	Perfluorooctane sulfonic acid
POP	Persistent Organic Pollutant
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme

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1. Project Description and Implementation Arrangements

Morocco ratified the Stockholm Convention on Persistent Organic Pollutants in June 2004. Under Article 7 of the Convention, Parties are required to develop and endeavour to implement plans for the implementation of their obligations. Likewise under Article 15 Parties are required to provide data on the production and import of listed chemicals. Morocco complied with these obligations through the completion of its first National Implementation Plan (NIP) in May 2006 which it completed with the support of the United Nations Development Programme and the Global Environment Facility (GEF).

At its 4th meeting (4-8 May 2009) the Conference of the Parties (COP) adopted decision SC-4/10 to SC-4/18 which amended Annexes A and B of the Convention to list 9 additional chemicals. Article 7(1)(c) of the Convention requires Parties to review and update NIPs as appropriate. At COP-5 (25-29 April 2011), the GEF announced that it would make grants of up to USD 250,000 to countries for the purpose of updating NIPs. Thus to comply this obligation Morocco submitted the present project to the GEF Secretariat in September 2013. The project was initially comprised of the following Components:

- Component 1: Initiation of the process of reviewing and updating national implementation plan;
- Component 2: Assessment of the national infrastructure and capacity for the management of all POPs, development of the New POPs inventories and updating for the initial POPs inventories and monitor effects of POPs in humans and the environment;
- Component 3: Development or updating of Action Plans to address POPs issues and meeting Convention requirements;
- Component 4: Formulation of revised and updated National Implementation Plan;
- Component 5: Endorsement of National Implementation Plan

The GEF-5 project was implemented by United Nations Environment Programmes (UNEP) and executed by the Ministry of Energy, Mines, Water and Environment under the Department of Environment (herein MoE). As the implementing agency UNEP liaised with technical experts, handled administrative issues and worked in collaboration with the Basel, Rotterdam and Stockholm Conventions (BRS) Secretariat to ensure synergies, among other responsibilities. As Executing Agency, MoE managed day-to-day activities including engaging a National Coordinator and adequate technical assistance, provided office space, and the formation of a National Coordinating Unit. Owing to their having a local office in Morocco, UNDP administered expenditures on behalf of UNEP; funds were transferred first from the GEF to UNEP, then from UNEP to UNDP's Morocco office, and finally from UNDP to MoE.

The project was approved by the UNEP Project Approval Group (PAG) on 6 May 2014 and by the GEF Chief Executive Officer (CEO) on 11 October 2013. The initial disbursement was made on 16 November 2015. The project was initially proposed to have a duration of 24 months with an associated cost of USD 200,913. It was amended three times, with a NIP addressing all commitments through COP-8 being received by the BRS Secretariat on 8 May 2019. The project was financially closed on 18 February 2023.

The request for the first project amendment was made on 24 May 2017 and agreed on 8 September 2017. This amendment extended the project through 31 December 2018 for the finalization and approval of the NIP and for the organization of 4 regional awareness raising workshops. A second amendment request was made on 1 October 2019 after the previous Project Cooperation Agreement (PCA) had expired. The purpose of this amendment was to carry out additional awareness raising activities, training of experts, and the development of a perfluorooctane sulfonic acid (PFOS) inventory. A new PCA was therefore signed, effectively extending the project until 30 June 2020.

Finally on 27 April 2021, Morocco submitted a third amendment request, noting delays related to the ongoing COVID-19 pandemic, and requesting an extension until 31 October 2021. In response UNEP and MoE signed a new PCA effectively extending the project to 30 April 2022.

2. Executing Agency Performance and Capacity

The project delivery was substantially delayed. The original timeline of 24 months was extended to approximately 90 months. These delays were largely due to eternal challenges. Specifically the project had difficulty both identifying and contracting qualified consultants as well as accessing POPs data. The onset of the COVID-19 pandemic toward the end of the project complicated its closing and collection of additional data. The project was delivered within budget.

Reporting for the project period was comprehensive though not consistently timely. The first project report which covered the period August 2014 to June 2016 was submitted more than one year late. Additionally no reporting was submitted for the period June-December 2018. Finally no reporting was submitted during 2020, owing to complications caused by the pandemic. The remainder of the reports were consistent with the semi-annual requirements of the PCA and submitted every 6 months.

Reporting was broadly consistent with the Project Document. Beginning with the first report (June 2016) a new project structure was introduced. In this structure, the original Components from the Project Document narrative have been retitled as Outputs with minor differences in phrasing throughout. A series of activities that are not fully consistent with the alternative scenario are provided to support the delivery of the Outputs. The new structure essentially harmonized discrepancies with the project document. Specifically, the Project Document contained one project structure in its main narrative and another separate but related project structure in the workplan. Table 1 below summarizes the alternative scenario from the project document as well as the reporting structure utilised in semi-annual reports.

The quality of early reporting was unsatisfactory, with required information not provided. The first report (June 2016) did not include a recognition or justification for any delays, for instance, despite having been delivered more than a year late. Subsequent reporting improved from moderately unsatisfactory (June-December 2016) to moderately satisfactory (January-June 2017) to satisfactory (Jan-June 2018), with the remainder of reports being satisfactory in nature. No additional information (e.g. supporting documentation) was provided beyond the progress report template.

Project Document Alternative Scenario	Project reporting	Notes
Component 1: Initiation of the process of reviewing and updating national implementation plans	Output 1: Coordination mechanism for POPs Management in place	Inconsistent
Activity 1.1: Conduct an initial assessment of institutional needs and strengths	Activity 1: Recruitment a consulting firm for the project	Inconsistent
Activity 1.2: Organize a National Inception Workshop to raise awareness and to define the scope and objective of the NIP updating process, including a) Develop a strategy for awareness raising to the national stakeholders throughout the project; b) Identify key stakeholders and assign roles c) Identify coordination mechanism for POPs management	Activity 2: Organization of a national inception workshop	Language generally consistent; numbering inconsistent
Expected Outcome: Institutional strengthening through national coordination		Reporting does not include outcomes
Expected Outputs: 1. Key stakeholders and their roles identified and agreed 2. Initial assessment of institutional needs and strengths 3. Coordination mechanism for POPs management in place		Outputs are not enumerated appropriately or supported by activities in the Project Document.
Component 2: Assessment of the national infrastructure and capacity for the management of all POPs, development of the New POPs inventories and updating for the initial POPs inventories and monitor effects of POPs in humans and the environment	Output 2: Assessment of the national infrastructure and capacity for the management of all POPs and development/update of inventories	Component titled as Output
Activity 2.1: Assess regulatory and institutional framework for POPs management and prepare report	Activity 4: Assess regulatory and institutional framework for POPs management and prepare report.	Language consistent; numbering inconsistent
Activity 2.2: Conduct inventory on new POPs and update existing inventories on the twelve initial POPs and prepare reports Activity	Activity 5: Quantitative and qualitative inventories covering all 23 POPs available: including updated inventories for POPs covered in initial NIP and first inventories for newly-listed POPs	Language generally consistent; numbering inconsistent
2.3 Assess impacts of POPs to human health and the environment and prepare report	Activity 6: Overview of POPs impacts to human health	Language generally consistent; numbering inconsistent

	and the environment available	
Expected Outcome: Comprehensive information on current POPs control measures, management practices, use and impacts provides the basis for identifying POPs issues of concern and planning sound actions to address them.		Reporting does not include outcomes
Expected Outputs: 1. Comprehensive overview of national infrastructure and regulatory framework to manage POPs available. 2. Quantitative and qualitative data on POPs releases available: POPs inventories including all 23 POPs available. 3. Overview of POPs impacts to human health and the environment available.		Outputs are not enumerated appropriately or supported by activities in the Project Document.
Component 3: Development of Action Plans for New POPs and updating of Action Plans for initial POPs including gaps analysis	Output 3: Development of Action Plans for new POPs and updating of action Plans for initial POPs including gaps analysis.	Component titled as Output
Activity 3.1: Conduct a comprehensive review of the existing National Action Plans on POPs and actions taken after the first NIP	Activity 7: Conduct a comprehensive review of the existing National Action Plans on POPs.	Language generally consistent; numbering inconsistent
Activity 3.2: Develop, update and validate action plans on POPs Activity 3.3: Prepare gaps analysis and proposals to address them	Activity 8: Develop, update and validate action plans on POPs	Language generally consistent; numbering inconsistent
Activity 3.3: Prepare gaps analysis and proposals to address them	Activity 9: Prepare gaps analysis and proposals to address them	Language consistent; numbering inconsistent
1. National progress made on original POPs management analysed and available to all stakeholders 2. Action Plans for all POPs developed and/or updated and validated by all stakeholders 3. Gap analysis report available to all stakeholders		Outputs are not enumerated appropriately or supported by activities in the Project Document.
Component 4: Formulation of revised and updated National Implementation Plan with its associated Action Plans for all 22 POPs	Output 4: Formulation of revised and updated National Implementation Plan with its associated Action Plans for 22 POPs.	Component titled as Output
Activity 4.1: Organize a stakeholder's review of the	Activity 10: Organize a stakeholder's review of the	Language generally consistent; numbering inconsistent

National Objectives and Priorities of the NIP	National Objectives and Priorities of the NIP	
Activity 4.2: Develop draft revised National Implementation Plan including validated Action Plans for all POPs for stakeholder thematic review	Activity 11: Develop draft revised National Implementation Plan including validated Action Plans for all POPs for stakeholder thematic review	Language generally consistent; numbering inconsistent
Expected Outcome: Improved understanding of all POPs for cost-effective actions to address priority POPs issues allows Morocco to develop rational and coherent strategies to reduce POPs risks in the country and to meet the obligations of the Stockholm Convention.		Reporting does not include outcomes
Expected Outputs: 1. Revised national objectives and priorities for POPs including new POPs 2. Draft revised NIP available to all stakeholders		Outputs are not enumerated appropriately or supported by activities in the Project Document.
Component 5: Endorsement of National Implementation Plan	Output 5: Endorsement of National Implementation Plan	Component titled as Output
Activity 5.1: NIP outreach strategy developed and implemented to promote the NIP work and gain stakeholder support Activity	Activity 12: NIP outreach strategy developed and implemented to promote the NIP work and gain stakeholder support.	Language consistent; numbering inconsistent
Activity 5.2: Organization of a workshop to gain support for the NIP update and to endorse it	Activity 13: Organization of a workshop to gain support for the NIP update and to endorse it.	Language consistent; numbering inconsistent
Expected Outcome: NIP endorsed by key stakeholders for transmission to the Secretariat confirms government's commitment to implement the Stockholm Convention at all levels.		Reporting does not include outcomes
Expected Outputs: 1. outreach strategy report includes consultations with key national stakeholders 2. NIP endorsed by the Government		Outputs are not enumerated appropriately or supported by activities in the Project Document.
	<ul style="list-style-type: none"> Development of terms of reference for the activity of carrying out a detailed inventory of the chemical PFOS. 	Supplemental activities in reporting, though not in the Project Document or subsequent amendments.

	<ul style="list-style-type: none"> • Launch of the activity of carrying out a detailed inventory of the chemical PFOS. • preparation of the PFOS inventory methodology. • Development of terms of reference for the activity of the organization of a training session for national experts on inventory techniques for the new POPs 	
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Table 1. Summary of project structures in Project Document and reporting template

3. Summary of Results Achieved

Table 2: Achievement of Outcome(s)

Project objective and Outcomes	Description of indicator	Baseline level	Mid-term target	End-of-project target	End of Project Progress Rating
Objective: To review and update the National Implementation Plan (NIP) in order to comply with reporting obligations (Article 15) and updating of National Implementation Plans (Article 7) under the Stockholm Convention	No indicator given in the logframe for the Objective.	--	--	--	Satisfactory
Outcome 1: Institutional strengthening and enhanced national coordination	Institutional needs and strengths report	National Implementation Plan (NIP) for POPs management	Institutional needs addressed and included in the draft NIP	Institutional needs and strengths reflected in the updated NIP document	Satisfactory
	Number of institutions participating in the NIP updating coordination	National Coordinating Team for the development of the NIP on POPs	Coordination mechanism successfully coordinating and assessing the progress on the NIP updating process	Project benefits from adequate inputs and coordination with a wide range of stakeholders, authorities, agencies and non-governmental organizations.	Satisfactory
		National Profile on National Chemicals Management			

Project objective and Outcomes	Description of indicator	Baseline level	Mid-term target	End-of-project target	End of Project Progress Rating
Outcome 2: Comprehensive information on current POPs management practices, POPs use and their impacts to human health and the environment enables a better understanding and sound planning on POPs management	Assessment on national infrastructure and regulatory framework to manage POPs available	National Implementation Plan (NIP) for POPs management, National Inventories on POPs	Assessment on national infrastructure and regulatory framework to manage POPs available	Report on assessment on national infrastructure and regulatory framework to manage POPs available	Satisfactory
	Inventories covering 23 POPs		Inventory reports covering 23 POPs	Inventory reports covering 23 POPs	Satisfactory
	Overview of POPs impacts to human health and the environment available		Overview of POPs impacts to human health and the environment available	Report on POPs impacts to human health and the environment available	Satisfactory
Outcome 3: Targeted actions to address priority POPs issues can be implemented on the basis of clear and costed plans.	At least 8 action plans (including initial POPs) available	National Implementation Plan (NIP) for POPs management, National Action Plans on POPs management	--	At least 8 action plans (including initial POPs) available	Satisfactory
	Overview on POPs management gaps and practices available		--	Report on POPs management gaps and practices available	Satisfactory
Outcome 4: Improved understanding of all POPs and identification of proposed actions leads	Overview of national objectives and priorities	National Implementation Plan	--	National objectives and priorities available	Satisfactory

Project objective and Outcomes	Description of indicator	Baseline level	Mid-term target	End-of-project target	End of Project Progress Rating
to effectively reduce POPs in the country		(NIP) for POPs management		NIP available	Satisfactory
Outcome 5: An agreed, sound, updated NIP informs policy- making across Government. Inter- ministerial priority setting helps implement action plans to address priority POPs issues	National Implementation Plan on POPs endorsed by the Executing Agency (Government Agency)	National Implementation Plan (NIP) for POPs management	--	NIP endorsed and available	Satisfactory

Table 3: Delivery of Output(s)

Outputs	Expected completion date	End of Project Implementation status (%)	Comments if variance. Describe any problems in delivering outputs	End of Project Progress Rating
Output 1: Coordination mechanism for POPs Management in place				Satisfactory
Activity 1: Recruitment a consulting firm for the project	June 2015	100%		Satisfactory
Activity 2: Organization of a national inception workshop	22 September 2015	100%		Satisfactory
Output 2: Assessment of the national infrastructure and capacity for the management of all POPs and development/update of inventories				Satisfactory
Activity 4: Assess regulatory and institutional framework for POPs management and prepare report.	February 2016	100%		Satisfactory
Activity 5: Quantitative and qualitative inventories covering all 23 POPs available: including updated inventories for POPs covered in initial NIP and first inventories for newly-listed POPs	November 2016	100%		Satisfactory
Activity 6: Overview of POPs impacts to human health and the environment available	December 2016	100%		Satisfactory
Output 3: Development of Action Plans for new POPs and updating of action Plans for initial POPs including gaps analysis.				Satisfactory

Outputs	Expected completion date	End of Project Implementation status (%)	Comments if variance. Describe any problems in delivering outputs	End of Project Progress Rating
Activity 7: Conduct a comprehensive review of the existing National Action Plans on POPs.	January 2017	100%		Satisfactory
Activity 8: Develop, update and validate action plans on POPs	February 2017	100%		Satisfactory
Activity 9: Prepare gaps analysis and proposals to address them	February 2017	100%		Satisfactory
Output 4: Formulation of revised and updated National Implementation Plan with its associated Action Plans for 22 POPs.				Satisfactory
Activity 10: Organize a stakeholder's review of the National Objectives and Priorities of the NIP	October 2017	100%		Satisfactory
Activity 11: Develop draft revised National Implementation Plan including validated Action Plans for all POPs for stakeholder thematic review	October 2017	100%		Satisfactory
Output 5: Endorsement of National Implementation Plan	November 2016	100 %		Satisfactory
Activity 12: NIP outreach strategy developed and implemented to promote the NIP work and gain stakeholder support.	October 2018	100%		Highly Satisfactory
Activity 13: Organization of a workshop to gain support for the NIP update and to endorse it.	March 2019	100%		Satisfactory

Outputs	Expected completion date	End of Project Implementation status (%)	Comments if variance. Describe any problems in delivering outputs	End of Project Progress Rating
Output 6: PFOS Inventory and Sound management action plan				Satisfactory
Development of terms of reference for the activity of carrying out a detailed inventory of the chemical PFOS.	January 2021	100%		Satisfactory
Launch of the activity of carrying out a detailed inventory of the chemical PFOS.	January – February 2021	100%		Satisfactory
Preparation of the PFOS inventory methodology.	March 2021	100%		Satisfactory
organization of a working meeting with the expert for the presentation of the methodology	June 2021	100%		Satisfactory
Sending of meeting request letters for data collection	July 2021	80%	Last report stated 'waiting for responses from the relevant departments for the holding of the bilateral meetings'	Moderately unsatisfactory
Output 7: Organization of a training session for national experts on inventory techniques for the new POPs				Unsatisfactory
Development of terms of reference for the activity of the organization of a training session for national experts on inventory techniques for the new POPs	July 2021	50%	Last report stated 'The terms of reference must be finalized before their transmission to the petitioners'	Unsatisfactory

4. Implementation Challenges and Adaptive Management

Challenge Encountered	Action Taken
2016-2018: Difficulties were encountered in collecting information on POPs including new POPs	Contacts were initiated with several professional associations and potential managers of these POPs. The PCB Commission was engaged to assist.
COVID-19 pandemic interrupted efforts in 2020	Efforts resumed in 2021.

5. Project Costs and Financing² (Insert Tables)

Table 4: Project Total Funding and Expenditures

Funding by source (Life of project)	Planned funding	Secured funding	Expended
<i>All figures as USD</i>			
GEF Grant	200,913	200,913	189,904.54
<i>Sub-total: Project Funding</i>			
Staffing (Total throughout the project)	Planned posts	Filled posts	-
<i>All figures as Full Time Equivalents</i>			
GEF grant-funded staff post costs	0	0	0
Co-finance funded staff post costs			

Table 5: Expenditure by Component, Outcome or Output (depending on financial system capabilities)

Component/sub-component/output	Estimated cost at design	Actual Expenditure	Expenditure ratio (actual/planned)
<i>All figures as USD</i>			
1. Initiation of the process of reviewing and updating the NIP	20,091	19,319.17 [†]	0.96
2. Assessment of the national infrastructure and capacity for the management of all POPs, development of the New POPs inventories and updating for the initial POPs inventories and monitor effects of POPs in humans and the environment	64,835	62,344.27 [†]	0.96
3. Development or updating of Action Plans to address POPs issues and meeting Convention requirements	28,128	27,047.42 [†]	0.96
4. Formulation of revised National Implementation Plan	38,214	36,745.95 [†]	0.96
5. Endorsement of national implementation plan	20,754	19,956.70 [†]	0.96
Subtotal	172,022	165,413.54	0.96
Monitoring and evaluation	8,800	4,400	0.5
EA Management Cost	20,091	20,091	1

² GUIDELINES ON THE PROJECT AND PROGRAM CYCLE POLICY (GEF/C.59/Inf.03) July 2020

"**Enabling Activities:** The Guidance has been clarified to confirm that co-financing is not required for EAs, that PPGs are not available for EAs, and that M&E budgets are not required as these costs do not apply to EAs. " pg.33

"Enabling Activities qualify for full cost funding from the GEF - i.e. there is no co-finance requirement" pg.33

Total Enabling Activity Cost	200,913	189,904.54	0.95
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[†]Approximated value. Calculated as 96 % of allocated line item. Reporting was provided at the project level only, with total expenditure of \$ 165,413.54 bring 96 % of the budget for execution of Components.

6. Stakeholder Engagement and Capacity Development

The project has enabled national authorities to have an overview on the initial and new POPs and to raise awareness about the risks and impact of these POPs on health and environment, and to propose pertinent actions in order to promote an ecologically sound management of these chemicals and contribute to the protection of health and environment and meet the country's commitments to the Stockholm Convention.

From October and November 2018, five training and awareness-raising workshops at the regional level (Rabat, Casablanca, Tangier, Fez and Agadir). The workshops were one day in length, each having 25 participants. The purpose of the workshops was to build the capacity of the actors concerned with the management of POPs including, government staff, industrial federation additional stakeholders.

7. Awareness Raising Activities

The completed NIP includes a description of multiple activities executed for the purpose of raising awareness, including an inception workshop, targeted stakeholder outreach, presentations to the National PCB Commission, the organization of regional workshops, and a NIP endorsement workshop. The inception meeting was held on 22 September 2015. Attendees included members of the National PCB Commission, a government authority established in 2010 by decree no. 2-08-243 to ensure compliance with the Stockholm Convention, as well as various other stakeholders, including NGOs, academia and the private sector. A national endorsement workshop was then held on 14 March 2019 to gain broad support for the NIP and final endorsement. The NIP was presented, discussed and validated by stakeholders.

During the process of NIP development multiple information, awareness raising and consultation meetings were held with stakeholders. The purpose of these meetings was also to collect the information required for carrying out the inventories, to discuss the difficulties encountered in the management of POPs and to examine the possibility of requesting exemptions for certain POPs.

8. Sustainability and the Scaling Up of Positive Results

The completed NIP, which addresses all commitments through COP-8, was received by the BRS Secretariat on 8 May 2019. The project was closely integrated with the National PCB Commission, a government authority established by decree in 2010. The PCB Commission was present at both the inception and endorsement workshops and provided support and recommendations during the NIP development. The project developed a unique PFOS inventory protocol that was reviewed by the BRS Secretariat and that could have broader applicability in other countries or regions. Finally as part of

the project the development an Online database of approved pesticides was developed (eservice.onssa.gov.ma)

9. Incorporation of Human Rights and Gender Equality (GEF Portal Question)

The project design did not specifically address human rights. The importance of engaging women as stakeholders was described. The project thus endeavoured to achieve gender parity at stakeholder meetings, awareness raising events and other activities. Women also held certain key roles within the project, including the project manager. Finally the project was carried out in a manner consistent with Moroccan law, including the new law n° 36-15 on water, which adopts a gender approach.

10. Environmental, Social and Economic Safeguards (GEF Portal Question)

The project document did not set out an approach to environmental, social and economic safeguards. The updated NIP will support Morocco to manage its POPs in a manner in line with its Convention obligations. In this context concurrent efforts include the updating of regulatory frameworks, capacity building, improved monitoring of POPs within Morocco, disposal projects, and improved management of POPs in use including specifying uses and more comprehensive labelling.

The NIP outlines specific accomplishments of related efforts including a list of 10 laws, regulations or standards that relate to the project and specific related projects. This work included the first ever national inventory of intentional POPs, the destruction of the last 50 tons of DDT in Morocco, and the elimination of 1,080 tons of PCB containing devices (307 tons of PCB oil), among other accomplishments.

11. Knowledge Management (GEF Portal Question)

A knowledge management approach was not specifically outlined in the project document. As part of the first NIP, an online platform for the project was developed (www.pop-maroc.org). This website was replaced during the present project by a more comprehensive and public facing tool that houses a database of approved pesticides and uses (eservice.onssa.gov.ma). Information collected as part of the NIP was shared during multiple stakeholder meetings and training workshops as well as with, on an ongoing basis, the PCB Commission. The completed NIP, which contains extensive baseline information, a description of the NIP process and results, as well as a detailed annexure is available on the Stockholm Convention website:

<https://chm.pops.int/Implementation/NationalImplementationPlans/NIPTransmission/tabid/253/ctl/Download/mid/21473/Default.aspx?id=114&ObjID=25856>

12. Lessons Learned (GEF Portal Question – Main Findings)

The project resulted in substantially improved national capacity to monitor and manage POPs in Morocco. The NIP adequately fulfils Convention obligations and has acted as the basis for multiple related projects.

13. Recommendations

With regard to execution, the project incurred extended delays owing to an inability to identify qualified consultants. More preliminary work in advance of the project might have expedited this aspect. Thus Morocco could begin organizing a team on consultants for any forthcoming NIP updates.

With regard to implementation, three recommendations are suggested. First, reporting requirements could be made more in line with review requirements. Specifically, financial reporting could be organised around or coded to Components, presenting rolling totals by Component at each reporting period. This would facilitate assessment of project execution versus design.

Second, contracting terms might be written to require formal review of the completed NIP by the BRS Secretariat. While this is commonly done in practice, it is not a contractual obligation and in this case was not done.

Finally, it is recommended that the use of UNDP for the administration of project resources be reviewed. It is possible that this arrangement increases both overhead costs as well the reporting burden of executing agencies. Such a review was outside the scope of this OCR.

Annexes

Annex 1	Logical Framework
Annex 2	Stakeholder Engagement Plan N/A
Annex 3	Planned Multi-Year Budget
Annex 4	Risk Management Log N/A
Annex 5	Final Financial Statement
Annex 6	Inventory of Non- Expendable Equipment N/A
Annex 7	Key project deliverables/outputs Completed NIP available here: https://chm.pops.int/Implementation/NationalImplementationPlans/NIPTransmission/tabid/253/ctl/Download/mid/21473/Default.aspx?id=114&ObjID=25856

Annex 1 Logical Framework

ANNEX 1 LOGICAL FRAMEWORK

STRATEGY NARRATIVE	BASELINE	INDICATORS	UNITS	MID-TERM TARGET	END OF PROJECT TARGET	SOURCES OF VERIFICATION	RISKS AND ASSUMPTIONS
GOAL: To protect human health and the environment through the implementation of the Stockholm Convention							
Project Objective: To review and update the National Implementation Plan (NIP) in order to comply with reporting obligations (Article 15) and updating of National Implementation Plans (Article 7) under the Stockholm Convention							
Outcome 1: Institutional strengthening and enhanced national coordination							
In this project component, the national agency in charge of NIP implementation will identify institutional needs and strengths and will also reinforce the existing national coordination mechanism on POPs management. This component will gain political commitment to the NIP updating process, establish a national coordinating mechanism and structure for executing the NIP updating process.	National Implementation Plan (NIP) for POPs management National Coordinating Team for the development of the NIP on POPs National Profile on National Chemicals Management	Institutional needs and strengths report Number of institutions participating in the NIP updating coordination	Report on institutional needs and strengths # of institutions	Institutional needs addressed and included in the draft NIP Coordination mechanism successfully coordinating and assessing the progress on the NIP updating process	Institutional needs and strengths reflected in the updated NIP document Project benefits from adequate inputs and coordination with a wide range of stakeholders, authorities, agencies and non-governmental organizations.	Report on institutional needs and strengths available in the national POPs website Establishment of the project's coordination with clear lines of communication and recommendations to the project POPs team and the interested Parties	It is assumed that the National Government is willing to arrange its long term budget supporting government chemicals oversight
Outcome 2: Comprehensive information on current POPs control measures, management practices, use and impacts provides the basis for identifying POPs issues of concern and planning sound actions to address them							
Countries will review the status of any specific exemptions requested by the country and any progress made on action plans set out in the initial NIP submitted, reports and development of preliminary inventories for new POPs or related studies, research work. Existing inventories, of the chemicals originally listed in the Stockholm Convention, will be updated. The Toolkit for the development of the PCDD/PCDF inventory has been revised. This revised Toolkit will be used by staff trained in its use aided by the new guidance made available by UNEP.	National Implementation Plan (NIP) for POPs management, National Inventories on POPs	Assessment on national infrastructure and regulatory framework to manage POPs available inventories covering 23 POPs Overview of POPs impacts to human health and the environment available	Report on national infrastructure # of POPs addressed in the inventories Report on POPs impacts to human health and the environment	Assessment on national infrastructure and regulatory framework to manage POPs available Inventory reports covering 23 POPs Overview of POPs impacts to human health and the environment available	Report on assessment on national infrastructure and regulatory framework to manage POPs available Inventory reports covering 23 POPs Report on POPs impacts to human health and the environment available	Report on national infrastructure, national inventories, and impacts to human health and the environment available in the national POPs website	Participation of key stakeholders to develop technical reports and assessments National support to provide existing information and to facilitate the inventory work
Outcome 3: Sound and cost-effective actions to address POPs issues of concern are facilitated by the availability of well-prepared and costed action plans							

STRATEGY NARRATIVE	BASILINE	INDICATORS	UNITS	MID-TERM TARGET	END OF PROJECT TARGET	SOURCES OF VERIFICATION	RISKS AND ASSUMPTIONS
This component will update existing action plans for the initial POPs listed under the Convention and develop new action plans necessary to address the newly adopted POPs. Action Plans of new POPs may include provisions for: hexabromodiphenyl ether and heptabromodiphenyl ether, perfluorooctane sulfonic acid (PFOS) and perfluorooctane sulphonyl fluoride (PFOS-F), endosulfan and lindane.	National Implementation Plan (NIP) for POPs management, National Action Plans on POPs management	At least 8 action plans (including initial POPs) available Overview on POPs management gaps and practices available	# of action plans developed or updated Report on POPs management gaps	-	At least 8 action plans (including initial POPs) available Report on POPs management gaps and practices available	Reports and action plans available through the national POPs website and included in the National Implementation Plan	Participation of key stakeholders to develop technical reports and assessments Action Plans addresses key stakeholders' concerns and is endorsed by them
Outcome 4: Improved understanding of all POPs for cost-effective actions to address priority POPs issues allows the country to develop rational and coherent strategies to reduce POPs risks in the country and to meet the obligations of the Stockholm Convention							
This component will develop the revised National Implementation Plan. It will bring together many of the outputs of earlier components. It will set out current understanding of POPs issues in the country, including existing control measures and management arrangements as well as new and revised inventories. It will establish a ranking of actions based on obligations set out in the Convention and the risks posed to human health and the environment in the country and set out cost-effective action plans of the newly adopted POPs and revised action plans of the initial POPs listed under the Convention	National Implementation Plan (NIP) for POPs management	Overview of national objectives and priorities	National objectives and priorities Draft NIP	-	National objectives and priorities available NIP available	National objectives and priorities included in the NIP and available through the POPs national website	National objectives and draft NIP addresses key stakeholders' concerns and it is endorsed without delays
Outcome 5: NIP endorsed by key stakeholders for submission to the Secretariat confirms government's commitment to implement the Stockholm Convention at all levels							
This project component will likely include inter-ministerial meetings, workshops with non-Government stakeholders, written communications and discussions leading to a revised NIP that is widely accepted and can be endorsed by Government for submission to the Secretariat of the Convention.	National Implementation Plan (NIP) for POPs management	National Implementation Plan on POPs endorsed by the Executing Agency (Government Agency)	Endorsed NIP	-	NIP endorsed and available	Endorsed NIP available at the POPs National website	Endorsed NIP addresses main stakeholders' concerns Risks: national political processes to adopt the NIP is beyond the National POPs team control and may cause delays

Annex 3 Planned Multi-Year Budget

ANNEX 4: GEF PROJECT BUDGET

UNEP BUDGET LINE/OBJECT OF EXPENDITURE		BUDGET ALLOCATION BY PROJECT COMPONENT/ACTIVITY							ALLOCATION BY CALENDAR YEAR **			
		Component 1	Component 2	Component 3	Component 4	Component 5	Project management	Monitoring and Evaluation	Year 1	Year 2	Year 3	
		Initiation of the process of reviewing and updating the NIP	Assessment of the national infrastructure and capacity for the management of all POPs, development of POPs inventories and updating for the initial POPs	Development or updating of action plans to address POPs issues and meeting Convention requirements	Formulation of revised National Implementation Plan with its associated Action Plans for all 23 POPs	Implementation of National Implementation Plan			US\$	US\$	US\$	
		US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	
10	PROJECT PERSONNEL COMPONENT											
1100	Project Personnel											
1101	National Project coordinator					20,091		31,754	10,046	10,046	31,754	
1102	Technical Project Officer							10,046	10,046	10,046	30,138	
1103	Sub-T-100	0	0	0	0	0	0	0	0	0	0	
1200	Consultants with:											
1201	National Consultants	6,027	28,779	8,037	12,055	4,085		54,983	20,391	20,391	95,765	
1202	International Consultants		10,073	8,037				18,110	24,410		42,520	
1203	Sub-T-100	6,027	11,255	16,255	11,755	3,885	0	37,919	35,965	35,965	119,849	
1300	Administrative support							0	0	0	0	
1301	Support staff							0	0	0	0	
1302	Sub-T-100	0	0	0	0	0	0	0	0	0	0	
1400	Travel on official business							0	0	0	0	
1401	Travel on official business							0	0	0	0	
1402	Sub-T-100	0	0	0	0	0	0	0	0	0	0	
1500	Component Total	6,027	44,553	16,072	12,055	4,085	20,091	101,761	61,447	76,837	188,781	
20	SUB-CONTRACT COMPONENT											
2100	Sub-contracts (UN organizations)					0		0	0	0	0	
2101	Subcontract					0		0	0	0	0	
2102	Sub-T-100	0	0	0	0	0	0	0	0	0	0	
2200	Component Total	0	0	0	0	0	0	0	0	0	0	
30	TRAINING COMPONENT											
3200	Group training (field trips, WS, etc.)		16,082		10,066			26,148	14,054	14,054	54,256	
3201	National Workshop on POPs inventory							0	0	0	0	
3202	Training workshop on POPs inventory		16,082		10,066			26,148	14,054	14,054	54,256	
3203	Sub-T-100	0	0	0	0	0	0	0	0	0	0	
3300	Meetings/conferences		15,055					15,055	6,027	6,027	27,109	
3301	Inception workshop							0	0	0	0	
3302	Output validation workshop							0	0	0	0	
3303	Final workshop for NIP endorsement							0	0	0	0	
3304	National Coordination Meeting		15,055					15,055	6,027	6,027	27,109	
3305	Sub-T-100	0	0	0	0	0	0	0	0	0	0	
3400	Component Total	0	31,137	10,066	10,066	0	0	41,203	20,081	20,081	81,360	
40	MISCELLANEOUS COMPONENT											
4000	Expendable equipment		2,000	2,000	2,000	2,000		8,000	3,000	3,000	14,000	
4101	Operating costs							0	0	0	0	
4102	Vehicle maintenance							0	0	0	0	
4103	Sub-T-100	0	0	0	0	0	0	0	0	0	0	
4200	Non-expendable equipment							0	0	0	0	
4201	Computer, fax, photocopier, projector							0	0	0	0	
4202	Software							0	0	0	0	
4203	Sub-T-100	0	0	0	0	0	0	0	0	0	0	
4300	Component Total	0	2,000	2,000	2,000	2,000	0	8,000	3,000	3,000	14,000	
50	MISCELLANEOUS COMPONENT											
5100	Reporting costs (publications, maps, etc.)							10,046	5,023	5,023	20,091	
5200	Final report and dissemination strategy							0	0	0	0	
5201	Sub-T-100	0	0	0	0	0	0	0	0	0	0	
5300	Project closing and evaluation							4,013	2,006	2,006	8,025	
5301	Terminal evaluation							0	0	0	0	
5302	Final report							4,013	2,006	2,006	8,025	
5303	Sub-T-100	0	0	0	0	0	0	0	0	0	0	
5400	Component Total	0	0	0	0	0	0	14,059	7,029	7,029	28,116	
4999	Component Total	0	0	0	0	0	0	0	0	0	0	
TOTAL NATIONAL BUDGET		20,091	61,447	26,119	24,111	16,165	20,091	180,915	108,511	103,967	393,393	
Part of Project funding												
1% (to 0.5%)								18,091	9,045	9,045	36,181	
TOTAL GEF COST								198,904	117,556	112,992	429,574	

Annex 5 Final Financial Statement

ANNEX 10: FINAL EXPENDITURE STATEMENT and UNLIQUIDATED OBLIGATIONS REPORT (US\$)

Project title: Review and Update of the National Implementation Plan for the Stockholm Convention on Persistent Organic Pollutants in Morocco
 Project number: #5600
 Project implementing agency/organization: Ministry of Energy Transition and Sustainable Development
 Project implementation : From: 2015
 Reporting period: From: 2015

To: Dec-22
 Tr: Dec-22

		Original Budget	2016 Expenditure	2017 Expenditure	2018 Expenditure	2019 Expenditure	Total Expenditure 2016-2019	Budget Rev 2 (2021) US\$	Funds Available (2021 Work) Ministry US\$	2021 Q3 US\$	2021 Q4 US\$	2022 Q1 US\$	2022 Q2 US\$	Total US\$	Justification	Total 2016-2022 US\$
10	UNEP BUDGET LINE/OBJECT OF EXPENDITURE															
	PROJECT PERSONNEL COMPONENT															
1100	Project Personnel								0.00					0.00		0.00
1161	1101 National Project coordinator	700 091.00						-	0.00					0.00		0.00
	1102 Technical Project officer							-	0.00					0.00		0.00
1199	Sub-Total	200 091.00	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00		0.00
	CONSULTANTS WITH								0.00					0.00		0.00
1200	National Consultants (inventaire PPOS)	59 583.00	10 031.60	50 599.47	1 048.07	20 799.00	82 478.14	81 679.14	20 000.00	0.00	0.00	17 006.80		17 006.80	taux de change	99 484.94
1161	1202 International Consultants	24 110.00						-	0.00					0.00		0.00
1299	Sub-Total	83 693.00	10 031.60	50 599.47	1 048.07	20 799.00	82 478.14	81 679.14	20 000.00	0.00	0.00	17 006.80	0.00	17 006.80		99 484.94
	ADMINISTRATIVE SUPPORT								0.00					0.00		0.00
1300	Support staff							-	0.00					0.00		0.00
1161	1301 Travel on official business (above staff)							-	0.00					0.00		0.00
1600	Travel on official business experts							-	0.00					0.00		0.00
1561	1601 Sub-Total	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00		0.00
1999	Component Total	283 784.00	10 031.60	50 599.47	1 048.07	20 799.00	82 478.14	81 679.14	20 000.00	0.00	0.00	17 006.80	0.00	17 006.80		99 484.94
20	SUB-CONTRACT COMPONENT															
	Sub-contracts (UN organizations)								0.00					0.00		0.00
2261	2101 Subcontract BRT					19 719.13	19 719.13	40 518.13	0.00					0.00		19 719.13
	2102 Subcontract UN (\$18,599 managed by UNEP)							18 596.00	0.00					0.00		0.00
2199	Sub-Total	-	-	-	-	19 719.13	19 719.13	59 114.13	0.00	0.00	0.00	0.00	0.00	0.00		19 719.13
2999	Component Total	-	-	-	-	19 719.13	19 719.13	59 114.13	0.00	0.00	0.00	0.00	0.00	0.00		19 719.13
30	TRAINING COMPONENT															
	Group training (field trips, WS, etc.)								0.00					0.00		0.00
3302 and 3303	3201 National Workshop on Pops inventory (formation des experts)	28 168.00	1 670.30	3 647.16	930.53	4 577.69	1 670.30	11 670.30	6 000.00	0.00	0.00	8 571.40		8 571.40		10 241.70
	3202 Training Workshop on Pops Priority					263.90	263.90	263.90	0.00					0.00		263.90
2999	Sub-Total	28 168.00	1 670.29	3 647.16	930.53	4 841.59	1 934.20	11 934.20	6 000.00	0.00	0.00	8 571.40	0.00	8 571.40		10 505.60
	MEETINGS/CONFERENCES								0.00					0.00		0.00
3301	3301 Inception workshop	12 055.00	1 727.40				1 727.40	1 727.40	0.00					0.00		1 727.40
3302 and 3303	3202 Outputs validation workshops (atelier validation inventaire)					931.00	931.00	1 431.00	509.00	0.00	0.00	275.40		275.40		1 206.50
3303	3303 Final workshop for NIP endorsement (atelier de cloture)	14 064.00				343.18	343.18	2 343.00	1 090.00	0.00	0.00	339.28		339.28		682.46
3302 and 3303	3304 National Coordination Meetings	16 073.00						-	0.00					0.00		0.00
3309	Sub-Total	42 192.00	1 727.40			1 274.18	3 001.58	5 501.40	1 590.00	0.00	0.00	614.78	0.00	614.78		3 616.36
3999	Component Total	70 360.00	3 397.70	3 647.16	930.53	3 039.61	4 935.78	17 435.60	7 590.00	0.00	0.00	9 186.18	0.00	9 186.18		14 121.96
40	EQUIPMENT AND PREMISES COMPONENT															
	Expendable equipment (under 1,500 \$)								0.00					0.00		0.00
4100	Operational costs	7 923.00	401.50	5 809.05		0.45	6 211.00	10 170.13	1 509.00	0.00	0.00			0.00		6 211.00
4102	Communication							-	0.00					0.00		0.00
4199	Sub-Total	7 923.00	401.50	5 809.05	-	0.45	6 211.00	10 170.13	1 509.00	0.00	0.00	0.00	0.00	0.00		6 211.00
	Non expendable equipment								0.00					0.00		0.00
4201	Computer, fax, photocopier, projector							-	0.00					0.00		0.00
4261	Software							-	0.00					0.00		0.00
4299	Sub-Total	-	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00		0.00
4999	Component Total	7 923.00	401.50	5 809.05	-	0.45	6 211.00	10 170.13	1 509.00	0.00	0.00	0.00	0.00	0.00		6 211.00
50	MISCELLANEOUS COMPONENT															
	Reporting costs (publications, maps, NI.)								0.00					0.00		0.00
5161	5201 Finalization of reports and dissemination of strategy (outils de comm)	10 046.00			21 010.10		21 010.10	23 714.00	6 794.00	0.00	0.00	3 673.40		3 673.40		24 683.50
5299	Sub-Total	10 046.00	-	-	21 010.10	-	21 010.10	23 714.00	6 794.00	0.00	0.00	3 673.40	0.00	3 673.40		24 683.50
	Evaluation								0.00					0.00		0.00
5581	5501 Terminal Evaluation (\$4,100 managed by UNEP)	4 400.00						4 400.00	0.00					0.00		0.00
5161	5502 Financial Audit	4 400.00						4 400.00	4 400.00	0.00	0.00			0.00		0.00

2012	Sub-Total	5 803.00				4 400.00	4 400.00	0.00	0.00	0.00	0.00
2010	Component Total	18 842.00		2 810.34		51 603.00	31 534.00	11 600.00	0.00	22 230.00	33 240.00
1997-98		2009.30	13 030.00	10 351.50	27 000.00	0.00	285.70	285.00	0.00	27 800.00	28 000.00
	Total					4 150.30					

Name: _____
 (Authorized official of Executing Agency)

Date: _____

Signature: _____

Name: _____
 Project Manager
 Chef de la Division de la Prévention
 et de la Lutte contre la Pollution

Signature: _____
 Amal LEMSIUJ

Signature: _____
 100 000.00 including UNDP Fee