

Budget line: M99/M1-32CML-000003/SB-007154.02.03.43/11218/14AC0005

Reference Number: Special Programme/Fourth Round/Approved Project/10

Amount: US\$ 211,900

Sub-programme: 5. Chemicals and Waste

Expected Accomplishment: 5

Output: a

Title of the Approved Project: "Strengthening national capacities for the integral management of chemicals in Peru"

Annex A – Project Document

Part 1 – Implementation Plan

Background

The objective of the Project is to support country-driven institutional strengthening at the national level, in the context of an integrated approach to address the financing of the sound management of chemicals and wastes, taking into account the national development strategies, plans and priorities of each country, to increase sustainable public institutional capacity for the sound management of chemicals and wastes throughout their life cycle. Institutional strengthening under the Special Programme will facilitate and enable the implementation of the Basel, Rotterdam and Stockholm conventions, the Minamata Convention and the Strategic Approach to International Chemicals Management (SAICM).

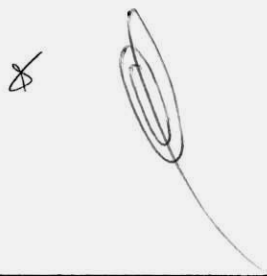
The first session of the United Nations Environment Assembly (UNEA-1), in June 2014, in resolution 1/5 on Chemicals and Waste, further adopted the terms of reference for a Special Programme, to be funded by voluntary contributions, to support institutional strengthening at the national level to enhance the implementation of the Basel, Rotterdam and Stockholm conventions, the Minamata Convention on Mercury and the Strategic Approach to International Chemicals Management (SAICM). The Special Programme is one of two complementary elements of dedicated external financing under the integrated approach, with the GEF being the other element.

The Special Programme is part of the sub-programme 5 on chemicals and wastes in UNEP's Programme of Work, in particular Project 515.2 Special Programme to support institutional strengthening at the national level to enhance the implementation of the Basel, Rotterdam and Stockholm conventions, the Minamata Convention and the Strategic Approach to International Chemicals Management (SAICM). It specifically addresses expected accomplishment (a) *that 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 (MEAs)*.

In the fourth call for applications, the Government of Peru submitted their application for funding from the Special Programme Trust Fund to strengthen their capacities for national implementation of chemicals and waste related international agreements. The Executive Board of the Special Programme, at its sixth meeting held online from 1-5 March 2021, approved the application submitted by Peru.

Objective of the PCA

The project seeks to implement the regulatory framework for the sound management of chemicals, which is currently being promoted by the Ministry of Environment (MINAM) through a Bill to be sent to the Congress for approval. The project has the following intended outputs: a) to develop the National Registry of Chemical Substances (RENASQ), as well as the design of its IT system, to be associated with the National Environmental Information System (SINIA) in charge of MINAM; b) to elaborate guidelines that show the minimum considerations for the formulation, elaboration and implementation of specific measures for the reduction and management of risks to health and / or the environment, and risk assessments of the chemicals of concern; c) to strengthen awareness and sensitization according to the target audience, related to the intrinsic hazards of chemical substances, as well as measures for their proper management; and d) to elaborate draft articles on management mechanisms for chemical substances, to be considered for the formulation of the Draft Regulation document for the Law Proposal on Sound Management of Chemicals.



The project activities will support ongoing work at the national level that seek to address specific matters related to compliance with obligations under the Basel and Stockholm Conventions, given that considerable progress has been made in this regard to date, as detailed below:

- Regarding to the application of the Basel Convention, it is important to mention that in 2016 Legislative Decree 1278 approved the Law of Integral Management of Solid Waste, which entered into force with the approval of its regulations (Supreme Decree No. 014-2017-MINAM) on December 21, 2017; this regulatory framework makes the application of the Convention operational in the country, since it regulates the process of import, export and transit of hazardous waste.

Likewise, with regard to the reports to the Basel Convention, to date the reports corresponding to the years 2018 and 2019 have been regularized, being close to reporting the 2020 period.

- Regarding national reports within the framework of the Stockholm Convention, it is necessary to indicate that the website of this agreement shows Peru as part of the list of " Parties that have submitted their national reports in accordance with Article 15 of the Convention ":

Third report - 09/12/2014

<http://chm.pops.int/Countries/NationalReports/ThirdRoundPartyReports/tabid/4470/Default.aspx>

Fourth report - 09/29/2018

<http://chm.pops.int/Countries/NationalReports/FourthRoundPartyReports/tabid/6346/Default.aspx>

Regarding the process of updating the National Implementation Plan developed in 2007, in 2021 the Updated National Implementation Plan of the Stockholm Convention was approved, through Supreme Decree No. 010-2021- MINAM (<https://www.gob.pe/institution/minam/legal-norms/1963651-010-2021-minam>).

The project will be carried out in line with the Project Description below, which is part of the application received from Peru.

SECTION 2: PROJECT DESCRIPTION

PROPOSED MEASURE 1¹

Design and implementation of the National Registry of Chemical Substances (RENASQ)

The Law Proposal (Bill) for the Sound Management of Chemicals promoted by MINAM, enables for the creation of the RENASQ as a management instrument of chemical substances, whose purpose is the systematization of information on hazardous chemical substances that are manufactured in or imported to the country. In that sense it is necessary to identify the best strategy for its design and implementation in the country, taking into account that the Registry will be part of the technological platform of SINIA, administered by MINAM, and so it must be aligned to it.

For this, MINAM will hold bimonthly meetings with the consulting team, the General Directorate of Environmental Quality and the Office of Information and Communication Technologies, to monitor the implementation of the activities proposed in relation to RENASQ along the duration of the project, in order to detect early warnings related to the project implementation and propose appropriate solutions.

Please explain how this proposed measure will contribute to Institutional Strengthening

¹ A proposed measure is the same as a project output

The RENASQ will allow the government (MINAM) to have up-to-date information on the chemical substances that are manufactured in and imported to the country, with a focus on environmental and health hazard communication. In that sense, that Registry, in its first phase, will allow the inventory of chemical substances and mixtures that are currently manufactured and imported into the country and therefore marketed at the national level (projected period of 2 years), as well as in a second phase, facilitate the identification of new chemicals and mixtures; all this in order to strengthen risk management of chemical products and the corresponding decision-making on regulatory mechanisms for dangerous chemical substances; likewise, it will allow the development and updating of national inventories of chemical substances and mixtures. In this sense, in the first phases described above, the RENASQ is not expected to have an enabling character (a prerequisite for its commercialization in the national market), however, this function may be considered in the medium or long term, a Once the RENASQ has been properly implemented and there is a better diagnosis of the substances and mixtures manufactured and imported in the country..

In that sense, the RENASQ will provide more information on the chemical products that are manufactured or imported in the national territory, which will facilitate the identification and systematization of information on the entry of chemical products regulated in the Rotterdam, Stockholm and Minamata Conventions; and consequently, it will facilitate the preparation of national reports to be sent to the secretariats of these agreements. Likewise, having a national registry such as RENASQ, contributes to the fulfillment of SAICM's objectives in terms of risk reduction and knowledge and information (A. Risk reduction, and B. Knowledge and information), since RENASQ intends to provide non-confidential information such as hazard classification within the framework of the GHS and Information for its proper management, on the other hand, it will facilitate the preparation and updating of national inventories of chemical products at the national level..

Activity 1.1

Proposed cost: 8,000 USD

Design of the RENASQ based on regulatory cooperation and best practices

In order to determine the general and specific technical characteristics for the implementation of RENASQ, it is proposed to hold sessions and exchanges with specialists from countries that already administer national registries of chemical substances, which will allow the exchange of experiences and to identify the best strategy for the implementation of the RENASQ. Among the main activities we have:

- Identification and contact with the institutions in charge of managing national registries of chemical substances (regionally and globally) and international experts from the private sector.
- Holding a forum of panelists to exchange experiences on the implementation of national registries for chemical substances.
- The consideration of the regulatory models in coordination with the interested parties.
- The preparation of a technical report that considers key aspects for international regulatory cooperation in the region, regarding the establishment of national registries and inventories and their regulatory approaches (taking into account the activities and exchange of experiences previously developed); likewise, a draft proposal will be prepared for its inclusion in the regulations of the law in coordination with the interested parties.

Activity 1.2

Proposed cost 32,000 USD

Diagnosis and design of the platform of the National Registry of Chemical Substances

A technical analysis about MINAM's informatic systems will be conducted together with the Information and Technology Office (technical restrictions and security protocols). The analysis will consider the information

	<p>that is required to be collected with the RENASQ, taking into account additional capacity for future information. Next, it is proposed to design virtual forms to register the information, design the administrator module for the management of the information provided, and the results report that allows having adequate information for the decision-making or the correct interpretation of them. In addition to this, an Interoperability and Credentials Service will be included in order to align the platform with the information provided to the National Superintendency of Customs and Tax Administration (SUNAT) and the National Identification and Civil Status Registry (RENIEC) for access to MINAM systems.</p>		
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Activity 1.3	Proposed cost 75,000 USD		
	<p><i>Implementation of the National Registry of Chemical Substances</i></p> <p>The incorporation of fixed and variable parameters of the system will be carried out (speeding up the incorporation of the information provided), preparation of the technical manuals (as a basis for carrying out future technical training), the user guide and the system (which will be delivered to the Information and Technology Office of MINAM). Next, it is planned to carry out performance quality tests, as well as its validation, to finally launch the domain and hosting of the RENASQ platform, all in coordination with the Information and Technology Office of MINAM. It should be noted that for the use and management of the information provided to RENASQ, training to the technical personnel involved in that platform (approximately between 15 to 20 professionals) is considered, as is the case of the General Directorate of Environmental Quality, General Directorate of Education, Citizenship and Environmental Information (MINAM organ that administers the National Environmental Information System - SINIA) and the Information and Technology Office, among others if applicable, also includes the acquisition of a server based on the previous diagnosis carried out, for the system's hosting. Finally, once the RENASQ platform has been delivered for its operation, the Information and Technology Office and the General Directorate of Environmental Quality of MINAM will follow up and monitor the system in order to continue with its start-up process and ensure the quality of the data supplied.</p>		
<p>PROPOSED MEASURE 2</p>	<p><i>Guidelines for the formulation of specific measures for the reduction and management of risks to health and / or the environment, and risk assessments of chemical substances</i></p> <p>The proposed guidelines will aim to facilitate and / or direct the establishment of specific measures for the reduction and management of risk to health and / or the environment in relation to those chemical substances that have been classified according to the (GHS) as: carcinogenic, mutagenic, toxic for reproduction or hazardous for the environment; and taking into account the degree of management associated with those substances. The content of the technical guidelines for assessing risks for human health and the environment and the formulation of measures for the reduction and management of that risks to be presented to MINAM will be developed based on the guides or guidelines developed by international organizations in the field of chemical substances and in particular the relevant existing guidance documents issued under the auspices of the relevant instruments (such as the chemicals MEAs and SAICM), as well as the experience of countries with regulatory technical advances in risk management throughout the life cycle of chemicals. Likewise, the elaboration of those guidelines will allow an appropriate synergy between the institutions involved for the formulation of proposals for regulatory articles that develop articles 8 and 9 of the Draft Law on chemical substances (Annex 1), as well as its subsequent layout and publication and diffusion among stakeholders, for which MINAM will contribute with the layout of the technical documents obtained (guidelines) for publication.</p> <p><i>Please explain how this proposed measure will contribute to Institutional Strengthening</i></p> <p>Having structured guidelines for the application of specific measures for the reduction and management of risks associated with hazardous chemical substances, will allow the Peruvian government, through MINAM, to include differentiated control mechanisms according to the type of management that applies to the different types of hazardous chemical, standardizing them.</p>		

In that sense these guidelines will be effective to enrich and support future policies to control and restrict chemicals with unmanageable risks, and to have available and objective information for decision making.

Likewise, having standardized national guidelines on the management of risks to health and the environment (in reference to international experiences) allows strengthening the application of the Rotterdam, Stockholm and Minamata Conventions, since it includes specific mechanisms for the management of chemicals associated with these conventions and generates technical-scientific support for the approval of regulatory measures aligned with them, as well as strengthening compliance with all SAICM objectives (since risk management throughout the life cycle of chemicals is essential in such approach).

Activity 2.1

Proposed cost: 18,000 USD

Guidelines for the formulation of specific measures for the reduction and management of health and environmental risks associated to hazardous chemical substances

Development of workshops for the preparation of a technical document, which will include the framework and the steps to formulate adequate measures to prevent, reduce, mitigate and, if possible, eliminate the risks identified for health and the environment, related to hazardous chemicals.

These measures will include uses of personnel protection equipment, operational controls (which may include chemical product management approaches, such as Green Chemistry, among others), capacities strengthening and will be specific to different situations in the production, transport, storage and use of chemical substances. Additionally, the document would include the alternatives and strategies to implement the specific measures.

In this sense, it is planned to hold bilateral meetings with the competent authorities for the approval of environmental studies (approximately 10 public sector institutions), as well as a final multisectoral workshop. On the other hand, workshops are planned with private sector companies and unions (between 2 to 3 workshops), as well as with academia and organized civil society; projecting the participation of approximately 20-25 professionals from the public sector, 20-30 from the private sector and 20-30 from the Academy and organized civil society.

On the other hand, a proposal of articles will be prepared for its inclusion in the regulations of the law in coordination with the interested parties.

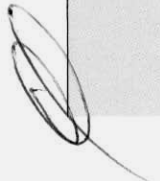
Activity 2.2

Proposed cost 18,000 USD

Guidelines for the health and environment risks assessment for prioritized chemical substances

Development of workshops for the preparation of a technical document, which will comprise three sections: 1) the hazard characterization to determine the relationship between the magnitude of exposure to a hazard and the probability and severity of adverse effects, description of the physical and chemical properties of a chemical substance, its effects on biotic systems, its mobility, its environmental behaviour, and its effects on human health following the requirements of the OECD Test Guidelines for Chemicals; 2) the exposure assessment to estimate the extent to which exposure actually occurs according to specific situations and finally 3) the risk characterization to conclude the magnitude of the risks; all consolidated in a proposal of guidelines.

In this sense, it is planned (taking into account the current pandemic situation or other factors) to hold 3 1-day workshops (3 in total) for each of the following actors: Public Sector Institutions, private sector companies or unions, Academia and organized civil society; projecting the participation of approximately 20-25 professionals from the public sector, 20-30 from the private sector and 20-30 from the Academy and organized civil society.



	<p>Finally, a draft proposal will be prepared for its inclusion in the regulations of the law in coordination with the interested parties.</p>												
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Activity 2.3	Proposed cost 25, 600 USD												
	<p><i>Training on the application of the guidelines for the formulation of specific measures for the reduction and management of environmental and health risks, and risk assessments of chemical substances</i></p> <p>On the guidelines developed for the application of specific measures for the reduction and management of risk to health and / or the environment and for risk assessments of chemical substances, training will be designed and executed for technical personnel of public and private institutions involved in the application and implementation of the mechanisms associated with their competences. Also, it will be conducted the consultation of the proposed subsidiary regulation for the Law. In this sense, it is planned to carry out 3 or 4 training sessions aimed at each of the institutions involved (public sector, private sector and organized civil society) with durations of 1 to 2 days. For this, the participation of approximately 50 people is projected for each of the institutions involved (stakeholders).</p> <p>Likewise, e-learning courses will be developed, based on the guidelines previously developed (which include didactic material, videos, etc.), which will be carried out periodically through the MINAM "Aula Aprende" platform; for which the participation of approximately 20-25 people per course carried out was planned.</p> <p>Finally, a regional event called "Risk Challenge Workshop" on risk assessments will be held, and comprise an introduction to toxicology and the use of web tools to carry out risk assessments. This workshop (theoretical-practical), will last 2 days, aimed at the participating institutions of this activity (public sector, private sector and civil society); for which the participation of approximately 50 people is projected.</p>												
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<p>PROPOSED MEASURE 3</p>	<p><i>Communicational Tools for Sensitization and Awareness on the Comprehensive Management of Chemical Substances</i></p> <p>The adequate implementation of a regulatory framework for the comprehensive management of chemical substances in the country entails the need to sensitize the different target audiences about the provisions and mechanisms included in the legal framework, in order to have adequate communication and understanding of intrinsic hazards, as well to know prevention measures associated with the use of chemical substances according to the sociocultural context of the country. On the other hand, the communication tools developed will be reviewed and validated at a multisectoral level, prior to their publication; prioritizing digital and high-impact media. Additionally, in order to disseminate the proposed regulatory framework for the comprehensive management of chemical substances and taking into account that MINAM leads its implementation, awareness and sensitization workshops will be carried out, according to the target audience,</p>												



making use of the communication materials designed. The workshops will be held at the MINAM facilities, with the support of professionals from the institutions involved in the management of chemical substances, as well as the technical-legal staff of MINAM involved in the preparation and implementation of the aforementioned regulatory framework. On the other hand, e-learning courses will be developed to introduce the management of chemical substances, which will be disseminated and carried out through the MINAM "Aula Aprende" platform.

Please explain how this proposed measure will contribute to Institutional Strengthening

The development of communication mechanisms and the proposed awareness activities will allow the articulation of the competent sectors regarding chemical substances management, to generate inter-institutional synergies and the development of capacities of the representatives that promote the adequate implementation of the regulatory framework. Likewise, it is necessary to indicate that the communication component will be developed in accordance with international conventions on chemical products ratified by the country, seeking to strengthen them, as well as the effective communication of information related to chemical products within the framework of SAICM.

Activity 3.1

Proposed cost 3,500 USD

Specific communication plan for each target audience

A Communication Plan will be developed according to its target audience (public and private sector employees, and the general population, taking into account a gender approach for effective communication, such as the development of specific material related to the effects health in women and children due to exposure to chemical substances, as well as cultural and linguistic relevance) that will contain at least:

- Diagnosis of the level of awareness in relation to the management of chemical substances, as well as the hazards and associated risks, according to the target audience.
- Determination of communication strategies (type of communication material and holding face-to-face or virtual workshops), in coordination with the competent sectors in the field of chemical substances, according to its target audience.
- Presentation of the Communication Plan (action plan) and proposed contents.

It should be noted that the communication plan to be developed will be reviewed and approved by the General Directorate of Environmental Quality, in coordination with the Office of Communications and Institutional Image of the Ministry of the Environment.

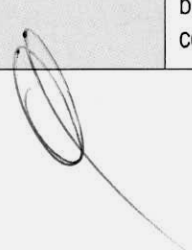
Activity 3.2

Proposed cost 12,000 USD

Development of communication material

According to the communication strategies identified in the specific communication plan, a communication kit will be designed with different contents related to the mechanisms provided in the regulatory framework for the comprehensive management of chemical substances, according to the target audience (also considering strategies of gender and intercultural approach, such as the development of specific material related to the dangers and risks to the health of women and children due to exposure to chemical substances); and may include brochures, diptychs, triptychs, audio-visual material, material for conducting e-learning courses, among others.

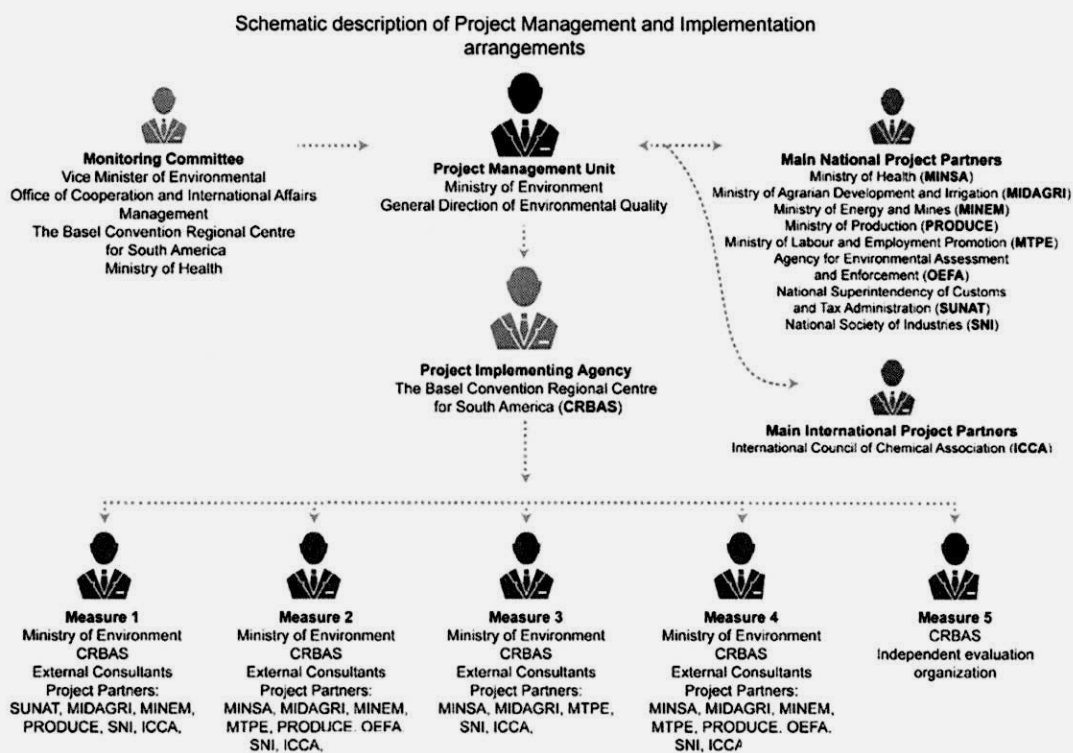
Finally, once the communication plan and the respective materials developed have been delivered, they will be shared with the Office of Communications and Institutional Image to be considered in formal communications of the Ministry of the Environment on chemical substances, all in coordination with the



	<p>General Directorate of Quality Environmental, in order to update or limit, if applicable, the information to be provided.</p>
<p>DETAILED DESCRIPTION OF THE ASSOCIATED DOMESTIC MEASURES</p>	<p><i>Please provide a description of the Associated Domestic Measure corresponding to proposed measure 1</i></p> <ol style="list-style-type: none"> 1. The Draft Law for the Comprehensive Management of Chemical Substances provides in article 7, the creation of RENASQ, which will be administered by MINAM and will form part of the SINIA technological platform. 2. MINAM has the Directorate of Control of Pollution and Chemical Substances (Directorate with specific competences in relation to the management of chemical substances, part of the General Directorate of Environmental Quality), General Directorate of Education, Citizenship and Environmental Information (office in charge of conducting the National Environmental Information System, a technological platform that will be part of the National Registry of Chemical Substances - RENASQ) and the Office of Information Technologies and Communications (technical body that supports the MINAM computer systems). 3. RENASQ will channel and facilitate compliance with the national plans for the application of the Minamata (DS 004-2019-MINAM) and Stockholm (DS 010-2021-MINAM) conventions, the application of the Rotterdam Convention, as well as compliance of the Action Plan to implement the Recommendations of the Environmental Performance Assessment of Peru made by OECD and ECLAC (DS 005-2017-MINAM) and the global policy strategy of SAICM. 4. As part of the implementation of the proposed regulatory framework, it is planned to update the responsibilities of the Technical Group of Chemical Substances (RP 016-2002-CD-CONAM) and to upgrade its level with the creation of a Permanent Multisectoral Commission for the Sound Management of Chemical Substances (Eighth Final Complementary Provision of the PLGISQ) that will serve as a link for the coordination and execution of programmed actions with the different public sector authorities involved. That Commission enables the participation of representatives of the industry. <p><i>Please provide a description of the Associated Domestic Measure corresponding to proposed measure 2</i></p> <ol style="list-style-type: none"> 1. The Draft Law for the Comprehensive Management of Chemical Substances, provides in its articles 8 and 9, the inclusion of specific measures for the reduction and management of the risk to health and / or the environment of chemical substances classified as carcinogenic, mutagenic , toxic for reproduction or hazardous for the environment in their respective approved environmental studies, as well as the presentation of risk assessments for health and the environment of those chemical substances identified as priorities at the national level. Likewise, the Fifth and Sixth Final Complementary Provision of the aforementioned bill, provide the approval of guidelines and / or directives for the application of the aforementioned mechanisms. 2. MINAM has the Directorate for the Control of Pollution and Chemical Substances (Directorate with specific competencies in relation to the management of chemical substances, part of the General Directorate for Environmental Quality); the General Directorate of Environmental Management Policies and Instruments that will provide the necessary advice for the preparation of the guidelines for the formulation of specific measures since it is in charge of directing the Environmental Impact Assessment System, a basis system for the evaluation and approval of environmental studies in the country; and the Office of Communications and Institutional Image that is in charge of developing the dissemination activities of the Ministry's interventions through the media. 3. Additionally, there are sectoral regulations that include details for the approval of environmental studies in relation to the nature of the activities carried out, such as the Environmental Protection and Management Regulations for Mining Activities (DS 040-2014 -EM and DS 042-2017-EM), hydrocarbons subsector (DS 039-2014-EM), electrical activities (DS 014-2019-EM) and activities of the manufacturing industry (DS 017-2015-PRODUCE).

	<p>4. Finally, compliance with these mechanisms contributes to the correct application of the Minamata, Stockholm and Rotterdam conventions and the implementation of the Recommendations of the Environmental Performance Assessment of Peru made by OECD and ECLAC, and the global policy strategy of the SAICM, as described in item 3 Measure 1. Likewise, the coordination for the implementation of these mechanisms will be carried out within the framework of updating the responsibilities of the Technical Group of Chemical Substances, described in item 4 of Measure one.</p> <p>1.</p> <p>Please provide a description of the Associated Domestic Measure corresponding to proposed measure 3</p> <ol style="list-style-type: none"> 1. The Draft Law for the Comprehensive Management of Chemical Substances, provides in article 15 the execution of education, training and awareness actions according to the target audience. 2. In this regard, MINAM has the Directorate for the Control of Pollution and Chemical Substances (Directorate with specific competencies in relation to the management of chemical substances, part of the General Directorate of Environmental Quality), the General Directorate of Education, Citizenship and Environmental Information (office in charge of conducting education and awareness-raising activities on environmental matters by MINAM, in coordination with other sectors and / or levels of government and which administers the "Aula Aprende" platform), the Technology Office of Information and Communications (technical body that supports MINAM's computer systems, as well as the "Aula Aprende" platform) and the Office of Communications and Institutional Image that is in charge of developing dissemination activities for the Ministry's interventions through social media. It should be noted that MINAM has pre-published the SINIA Regulations through R.M. 010-2020-MINAM, which specifies the mechanisms to disseminate information on environmental matters. 3. Finally, compliance with these mechanisms contributes to the correct application of the Minamata, Stockholm, Rotterdam conventions and the implementation of the Recommendations of the Environmental Performance Assessment of Peru made by OECD and ECLAC, and the global policy strategy of the SAICM, as described in item 3 Measure 1. Likewise, the coordination for the implementation of these mechanisms will be carried out within the framework of updating the responsibilities of the Technical Group of Chemical Substances, described in item 4 of Measure 1.
<p>DETAILED INFORMATION ON PROJECT MANAGEMENT AND IMPLEMENTATION</p>	<p>MINAM will be the institution responsible for the management of this project. The Basel Convention Regional Centre for Training and Technology Transfer for the South American Region (CRBAS) will be the implementing agency, and it will be in charge of receiving and managing the funds. Likewise, personnel from the General Directorate of Environmental Quality will be assigned to guarantee the effective implementation of the project, appointing a Project Coordinator from the Directorate for the Pollution Control and Chemical Substances, who will have the necessary technical capacities to contribute positively to the implementation of the Project. Likewise, for the coordination with the project partners, periodic meetings will be held through the Technical Group of Chemical Substances (Presidential Resolution No. 016-2002-CD-CONAM), whose technical secretariat is chaired by the Ministry of the Environment of Peru.</p> <p>A Monitoring Committee will be implemented in order to ensure a successful implementation, which will have the participation of: MINAM (Vice Ministry of Environmental Management, Office of Cooperation and International Affairs), Basel Convention Regional Centre for Training and Technology Transfer for South America (Argentina), and Ministry of Health.</p> <p>The national authorities identified as main partners in the compliance of the project's products are those related to the application of the regulatory framework for the Sound Management of Chemical Substances, such as the Ministry of Health (MINSAs), Ministry of Agrarian Development and Irrigation (MIDAGRI)</p>

(MIDAGRI), Ministry of Energy and Mines (MINEM), Ministry of Production (PRODUCE), Ministry of Labour and Employment Promotion (MTPE), National Superintendency of Customs and Tax Administration (SUNAT), Agency for Environmental Assessment and Enforcement (OEFA), and MINAM, as responsible institution. The aforementioned institutions will actively participate in the corresponding activities, and will provide technical assistance (by reviewing and issuing contributions to the technical-legal documents or products developed in the project, as well as by providing information on the companies in their sector or other information within the framework of its powers, all managed through coordination meetings of the Technical Group of Chemical Substances of MINAM) and support in the dissemination of the events to be held within the framework of this Project. Additionally, this project will have the support of the National Society of Industries (SNI), and the International Council of Chemical Associations (ICCA) who will provide technical assistance, facilitate the exchange of experiences in implementing existing and ongoing regulations on chemical substances management, as a way to foster better regional regulatory cooperation. Likewise, they will contribute to the dissemination of the regulations for their adoption and implementation by the private sector (see graph).



PROJECT ASSUMPTIONS

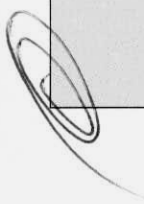
Risk 1: Lack of participation of specialists from countries that manage national registries of chemical substances to hold the panelist forum. The RENASQ platform presents bugs or design deficiencies, generating bottlenecks for its adequate implementation.

Mitigation measure 1: MINAM will coordinate with the organizations in charge of these registries with due anticipation (2-3 months), all based on the proposed date of the event in order to avoid delays or absences of the specialists due to lack of coordination. In case the situation generated by COVID-19 restricts the travel of specialists, digital means will be chosen for their participation. Also, MINAM will hold bimonthly meetings with the consulting team, the General Directorate of Environmental Quality and the Office of Information and Communication Technologies, to monitor the implementation of the activities proposed in relation to RENASQ along the duration of the project, in order to detect early warnings related to the project

	<p>implementation and propose appropriate solutions. Several quality test of the RENASQ will be conducted; chemical companies will be invited through SNI to test the platform.</p> <p>Risk 2: Not having specialized professionals in the field to prepare technical instruments for risk assessment guidelines and formulation of specific measures for the management of chemical substances. Not having sufficient information on the characteristics of chemicals at the country level to develop guidelines for risk assessment and specific measures to manage them. Mitigation measure 2: MINAM, through the Implementing Agency, will make a call with due anticipation (3 months) addressed to national and international professionals in order to attract the ideal professional for the execution and preparation of guidelines for risk assessment and formulation of specific measures for the management of chemical substances. MINAM will coordinate with the institutions and stakeholders involved to obtain the information and any gap that is found will be addressed with international guidelines and experiences.</p> <p>Risk 3: Not having technical personnel trained to prepare the Communication Plan and communication tools Mitigation measure: MINAM, through the Implementing Agency will formulate the service orders with due anticipation and taking into account the expertise necessary for the elaboration of the expected products.</p>												
<p>PROJECT GENDER CONSIDERATIONS / MAINSTREAMING</p>	<p>Woman engagement and leadership will be considered in all decision-making processes during all stages of project implementation and efforts will be made to collect data disaggregated by sex in every project area. We will collect gender information amongst stakeholders to identify the woman's role on the management of hazardous chemicals to propose and develop strategies for gender equality and women's empowerment. Furthermore, all the communication tools regarding the health impacts of chemical exposure proposed in measure 3 will consider strategies specific to women and children.</p>												
<p>MONITORING AND EVALUATION PLAN AND FINANCIAL AUDIT</p>	<p>The monitoring will be carried out on an ongoing basis by the Project Management Unit in the Ministry of Environment/General Directorate of Environment Quality.</p> <p>The evaluation of the Project, as well as the financial reports will be carried out by the Regional Centre for Training and Technology Transfer of the Basel Convention for South America (CRBAS), which will hire an independent professional to carry out them, all this in coordination with the General Directorate of Environmental Quality of MINAM, the technical body in charge of the project, and according the international standards and procedures they comply with. It's important to mention that CRBAS as implementing agency, guarantees that the activities of monitoring and evaluation will be conducted in accordance to independent national and international procedures, which are complied with by the Centre.</p> <p>A project progress report (IAP) will be delivered every twelve months and a final project report at the end of the project, all based on pre-established templates, taking into account the activities and products planned for its development.</p> <table border="1" data-bbox="363 1682 1481 2036"> <thead> <tr> <th>Product</th> <th>Purpose</th> <th>Responsible</th> <th>Time-frame</th> </tr> </thead> <tbody> <tr> <td>Panelist Forum Technical Report and its Attendance List</td> <td>Compile information of the country's experiences in the implementation of national registries on chemicals in order to identify the best strategy for the implementation of RENASQ</td> <td>Ministry of Environment</td> <td>Month 6</td> </tr> <tr> <td>Diagnostic and design technical reports</td> <td>To have data and a technical analysis of the information systems that MINAM has in order to</td> <td>Ministry of Environment</td> <td>Month 12</td> </tr> </tbody> </table>	Product	Purpose	Responsible	Time-frame	Panelist Forum Technical Report and its Attendance List	Compile information of the country's experiences in the implementation of national registries on chemicals in order to identify the best strategy for the implementation of RENASQ	Ministry of Environment	Month 6	Diagnostic and design technical reports	To have data and a technical analysis of the information systems that MINAM has in order to	Ministry of Environment	Month 12
Product	Purpose	Responsible	Time-frame										
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Diagnostic and design technical reports	To have data and a technical analysis of the information systems that MINAM has in order to	Ministry of Environment	Month 12										



	determine the optimal platform and initiate the design of the required interfaces.		
<ul style="list-style-type: none"> - RENASQ Training Manual - RENASQ User Guide - RENASQ operating system Technical Manual - Training material and attendance list - Server that includes source code, configuration manual, installation, others 	Facilitate implementation and start-up of RENASQ	Ministry of Environment	Month 18
Guidelines to formulate of specific measures for the reduction and management of the risk to health and / or the environment of hazardous chemical substances	To have a technical document that standardizes the formulation and application of measures to prevent, reduce, mitigate and, if possible, eliminate the risks identified for health and the environment related to hazardous chemical substances.	Ministry of Environment	Month 12
Guidelines to formulate risk assessments for health and / or the environment for prioritized chemical substances	To have a technical document that identify and determines the minimum content of the risk assessments for prioritized chemical substances that will be presented to MINAM	Ministry of Environment	Month 18
Training on the application of the guidelines for the formulation of specific measures for the reduction and management of risk to health and / or the environment and risk assessments of chemical substances	Strengthen the technical capacities of the professionals of the public institutions involved in the application and implementation of specific measures for the reduction and management of risk to health and / or the environment and risk assessments of chemical substances	Ministry of Environment	Month 24
Specific communication plan for each target audience	To have updated information on the level of awareness in relation to the management of chemical substances, the identification of communication strategies according to the target audience for the consequent formulation of a Communication Plan	Ministry of Environment	Month 24



Communication tools kit	To obtain a greater impact on the dissemination of the mechanisms provided in the regulatory framework for the comprehensive management of chemical substances, according to the target audience	Ministry of Environment	Month 30
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The evaluation plan will consist of determining the compliance with the project objectives (Strengthening national capacities for the sound management of chemicals in Peru), taking into account the indicators, means of verification and milestones expected for each proposed measure, identified in Section 3: Project Logical Framework.

The financial data will undergo a final review through an external agency, therefore an external audit firm must be identified and hired. The audit will include reviews of the money spent against the programmed budget, taking into account staff costs and other personnel costs, contractual services and travel (staff / consultant / meeting participant travel), and any contingencies presented.

It is important to mention that the final narrative report will be carried out by an external consultant, who will be hired by the CRBAS, after MINAM's validation.

As required by the Special Programme, the implementing team will develop an exit strategy consisting in an institutional arrangement to ensure that the project results and structures will be maintained over time. The goal of the exit strategy will be to ensure that the level of sound management of chemicals and waste reached during the project is sustained.



SECTION 3 PROJECT LOGICAL FRAMEWORK

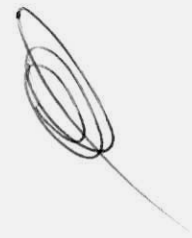
Overall project Objective/outcome	Indicators	Means of verification
Strengthening national capacities for the integral management of chemicals in Peru	<ol style="list-style-type: none"> 1. Extent of strengthened government capacity and coordination mechanism to support development and implementation of National Strategies for Chemicals and Waste Management as a result of funding from the Special Programme. 2. Technological platform of the National Registry of Chemical Substances implemented (Baseline: 0; Target: 01) 3. Guidelines for the formulation of specific measures for the reduction and management of risk to health and / or the environment and risk assessments of chemical substances elaborated (Baseline: 0; Target: 02) 4. Communication Toolkit developed (Baseline: 0; Target: 01) 	<ol style="list-style-type: none"> 1. Documents that support the strengthening of government capacity and coordination mechanisms to support the elaboration and application of National Strategies for Waste Management and Chemical Products in Peru. 2. Compliance reports issued by MINAM which support the formulation and implementation of the RENASQ and its complementary materials 3. Documents containing the guidelines 4. Completed Communication toolkit
Performance targets (project milestones that show progress towards completing the project outputs and achieving the overall project outcome)		Expected Milestone
Proposed Measure 1 Design and implementation of the National Registry of Chemical Substances		Month 6 / Year 2
Proposed Measure 2 Guidelines for the formulation of specific measures for the reduction and management of risk to health and / or the environment and risk assessments of chemical substances		Month 12 / Year 2
Proposed Measure 3 Communicational Tools for Sensitization and Awareness on the Comprehensive Management of Chemical Substances		Month 6 / Year 3
Proposed Measure 1	Indicators	Means of verification

<p>Design and implementation of the National Registry of Chemical Substances (RENASQ)</p>	<ol style="list-style-type: none"> Forum of panelists on national registries of chemical substances held (Baseline: 0; Target: 01) Technical reports on the diagnosis, design and implementation of the RENASQ platform presented, approved by MINAM (Baseline: 0; Target: 02) RENASQ training manual presented (Baseline: 0; Target: 01) RENASQ user guide presented (Baseline: 0; Target: 01) RENASQ operating system technical manual presented (Baseline: 0; Target: 01) Training within the framework of RENASQ (Baseline: 0; Target: 02) Inclusion of tools that facilitate the development of national reports to the Rotterdam, Stockholm and Minamata conventions Server acquired (Baseline: 0; Target 01) 	<ol style="list-style-type: none"> Panelist forum technical report and attendance list Technical diagnostic and design report, approved by MINAM RENASQ Training Manual RENASQ user guide RENASQ Operating System Technical Manual Training material and attendance list Specific mechanism included in the RENASQ for the identification of chemical products associated with international conventions; as well as for the generation of specific reports associated with them. Referral or invoice guide Server that includes source code, configuration manual, installation, among others
<p>Activities / Milestones</p>		<p>Expected Milestone</p>
<p>Activity 1.1 Design of the RENASQ based on regulatory cooperation and best practices</p>		<p>Month 6 / Year 1</p>
<p>Activity 1.2 Diagnosis and design of the platform of the National Registry of Chemical Substances</p>		<p>Month 12 / Year 1</p>
<p>Activity 1.3 Implementation of the National Registry of Chemical Substances</p>		<p>Month 6 / Year 2</p>

<p>Proposed Measure 2</p>	<p>Indicators</p>	<p>Means of verification</p>
<p>Guidelines for the formulation of specific measures for the reduction and management of risk to health and / or the environment and risk assessments of chemical substances</p>	<ol style="list-style-type: none"> Technical guideline for the formulation of specific measures for the reduction and management of the risk to health and / or the environment of hazardous chemical substances, prepared (Baseline: 0; Target: 01) Technical guideline for the preparation of risk assessments for health and / or the environment for prioritized chemical substances, prepared (Baseline: 0; Target: 01) Technical trainings on the application of the guidelines developed (Baseline: 0; Target: 03) 	<ol style="list-style-type: none"> Technical reports of the specific measures to manage the health and environmental risks regarding chemical substances Technical report of the analysis of health and environmental risks assessment methodologies

	2. Technical report of the guidelines to prepare health and environmental risks assessment regarding chemical substances. 3. Attendance lists – feedback forms	Expected Milestone
Activities and Milestones		
Activity 2.1 Guidelines for the formulation of specific measures for the reduction and management of health and environmental risks associated to hazardous chemical substances		Month 12 / Year 1
Activity 2.2 Guidelines for the health and environment risks assessment for prioritized chemical substances		Month 18 / Year 2
Activity 2.3 Training on the application of the guidelines for the formulation of specific measures for the reduction and management of risk to health and / or the environment and risk assessments of chemical substances		Month 24 / Year 2
	1.	

Proposed Measure 3	Indicators	Means of verification
Communicational Tools for Sensitization and Awareness on the Comprehensive Management of Chemical Substances	1. Technical documents that support the Communications Plan prepared. (Baseline: 0; Target: 03) 2. Communication Toolkit developed. (Baseline: 0; Target: 07)	1. Technical document containing the specific communication plan for each target audience 2. Manual, Logos, Communication hubs, force messages, material for events of culture of the integral management of chemical substances, material for equipment and infrastructure and Promotional material.
Activities and Milestones		
Activity 3.1 Specific communication plan for each target audience		Expected Milestone Month 12 / Year 2
Activity 3.2 Development of communication material		Month 6 / Year 3



Proposed Measure 4	Indicators	Means of verification	
Monitoring, evaluation and audit	1. Periodic monitoring of project implementation undertaken, including preparation of annual reports to the Special Programme Secretariat (baseline 0; target 2) 2. Independent evaluation of project implementation undertaken (baseline 0; target 1) 3. Independent audit completed (baseline 0; target 1) 4. Exit strategy to ensure sustainability of project outcomes after project completion (baseline 0; target 1)	1. Timely, annual progress reports (narrative and expenditure) to the sut to the Special Programme Secretariat 2. Final project report to Special Programme Secretariat 3. Project audit report 4. Exit Strategy	
Activities and Milestones			
Activity 4.1 Annual progress report submitted to Special Programme Secretariat			Expected Milestone
Activity 4.2 Final project report submitted to Special Programme Secretariat			Month 1 / Year 2 Month 1 / Year 3
Activity 4.3 Audit report submitted to Special Programme Secretariat			Month 9 / Year 3
Activity 4.4 Exit strategy submitted to Special Programme Secretariat			Month 9 / Year 3

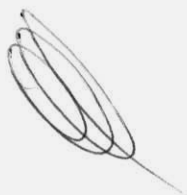


PROJECT WORKPLAN

ROWS CAN BE ADDED AS REQUIRED, PLEASE NOTE THAT THE NUMBER AND DESCRIPTIONS OF PROJECT ACTIVITIES MUST BE IN LINE WITH THOSE REFLECTED IN PROJECT LOGICAL FRAMEWORK.

Project Activities		Lead responsibility	Timeframe (by quarter – every 3 months)											
			Year 1				Year 2				Year 3			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Proposed Measure 1														
1.1	Design of the RENASQ based on regulatory cooperation and best practices	Ministry of Environment Consulting team		x										
1.2	Diagnosis and design of the platform of the National Registry of Chemical Substances	Ministry of Environment Consulting team			x	x								
1.3	Implementation of the National Registry of Chemical Substances	Ministry of Environment Consulting team					x	x						

Proposed Measure 2														
2.1	Guidelines for the formulation of specific measures for the reduction and management of health and environmental risks associated to hazardous chemical substances	Ministry of Environment Consulting team			x	x								
2.2	Guidelines for the health and environment risks assessment for prioritized chemical substances	Ministry of Environment Consulting team					x	x						
2.3	Training on the application of the guidelines for the formulation of specific measures for the reduction and management of risk to health and / or the environment and risk assessments of chemical substances	Ministry of Environment Consulting team							x	x				



Proposed Measure 3																
3.1	Specific communication plan for each target audience	Ministry of Environment Consulting team													x	
3.2	Development of communication material	Ministry of Environment Consulting team													x	x

Proposed Measure 4																
4.1	Annual progress reports submitted to Special Programme Secretariat (*)	Ministry of Environment CRBAS													x	x
4.2	Final project report submitted (after end of Project implementation) (*)	Ministry of Environment CRBAS														x
4.3	Project Audit report submitted (*)	Ministry of Environment CRBAS														x
4.4	Exit strategy submitted	Ministry of Environment														x
4.5	Monitoring of the project	Ministry of Environment	x	x	x	x	x	x	x	x	x	x	x	x	x	x

(*) These proposed measures include the evaluation actions of the project

