



Global Project on the Implementation of Pollutant Release and Transfer Registers as a tool for the reporting, dissemination and awareness raising of Persistent Organic Pollutants (POP's) in Belarus, Cambodia, Ecuador, Kazakhstan, Moldova, and Peru



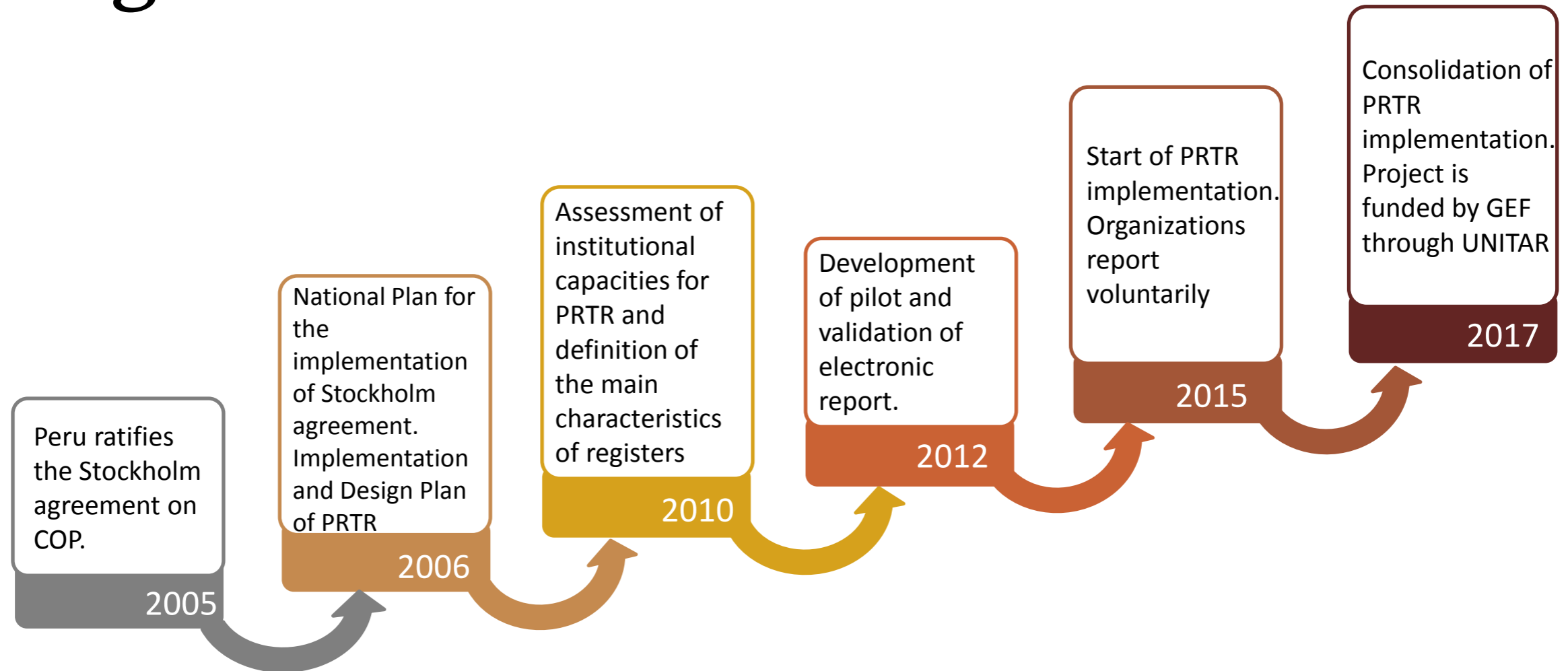


Global Project on the Implementation of PRTR as a tool for the reporting, dissemination and awareness raising of Persistent Organic Pollutants (POP's) in Peru



PRTR in Perú

Background of PRTR in Peru

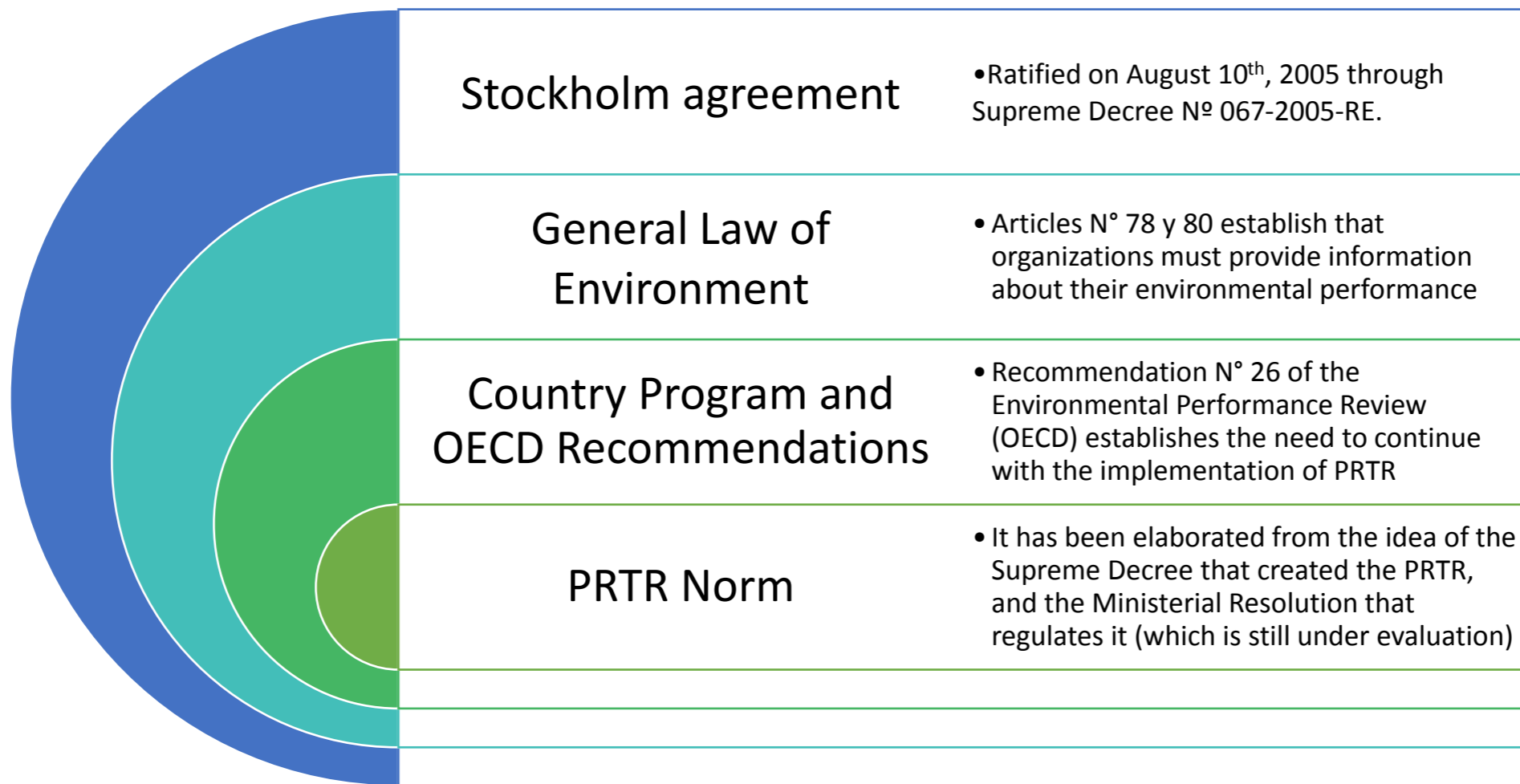


Phase I: Planning

Phase II: Design and
development

Phase III:
Implementation

Legal framework relate to PRTR



Sectors involved in PRTR up to 2017

Industrial Sector

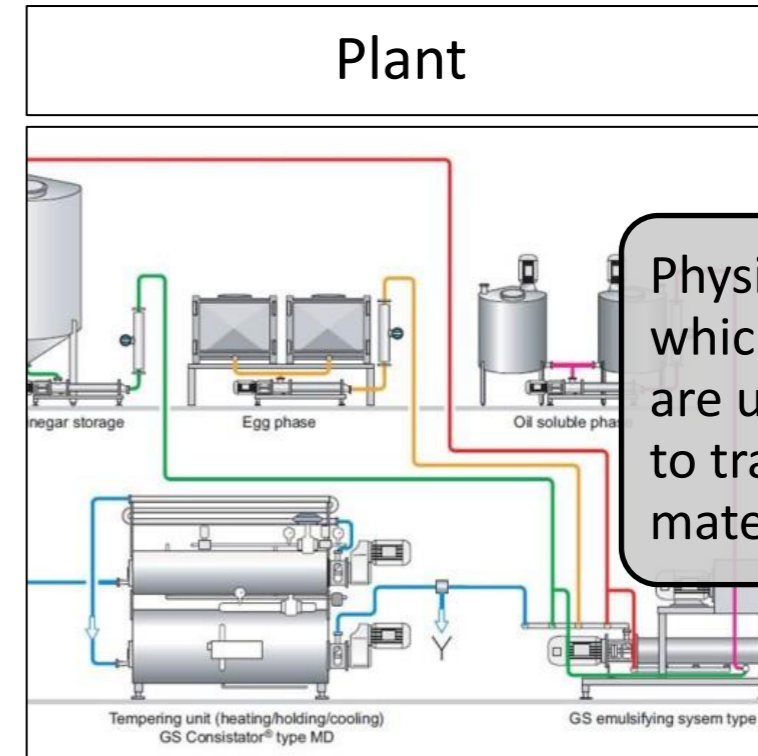
Chemical industry, tannery, foundry, manufacture of non-metallic products, production of fish products, other manufacturing activities.

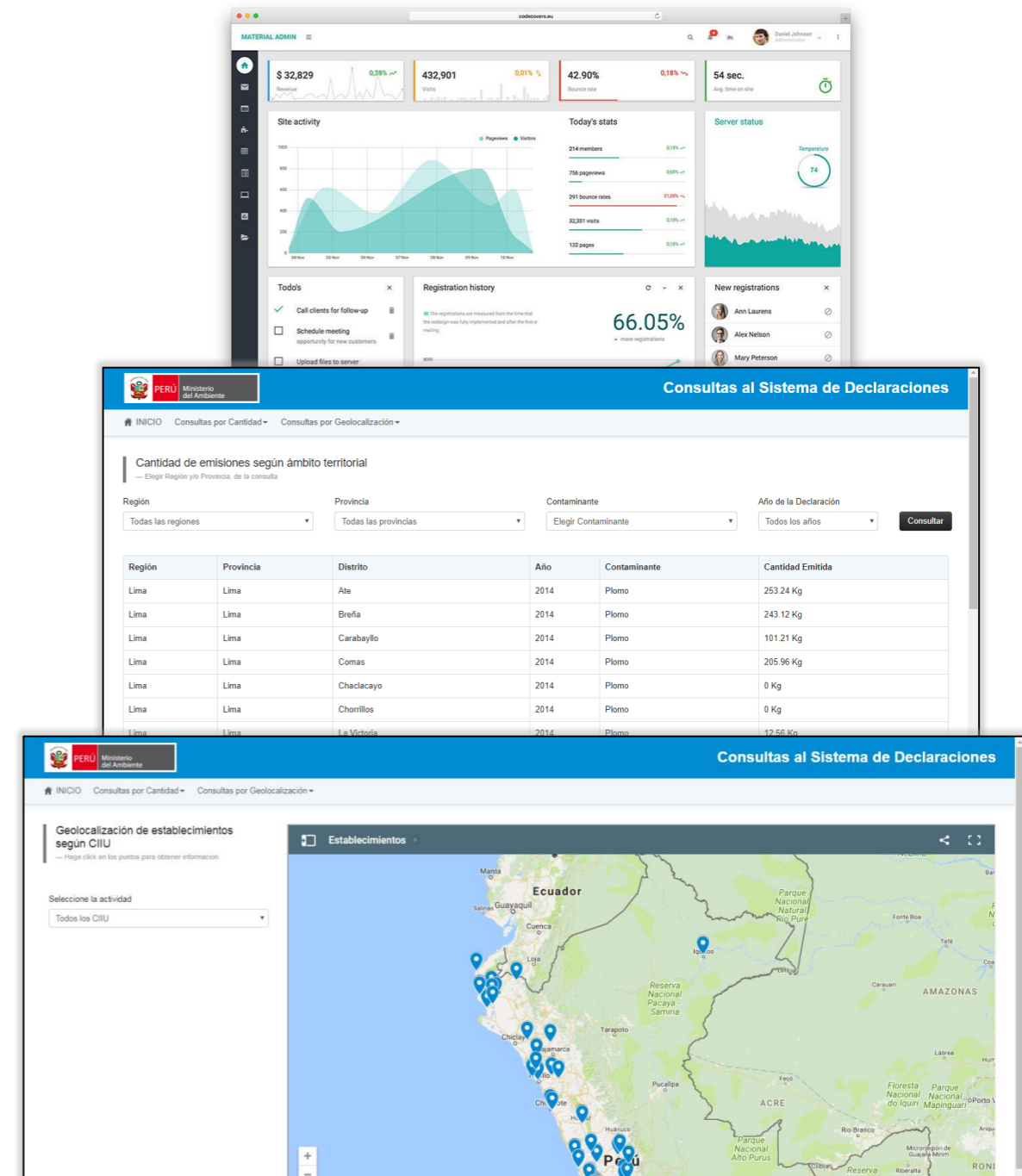
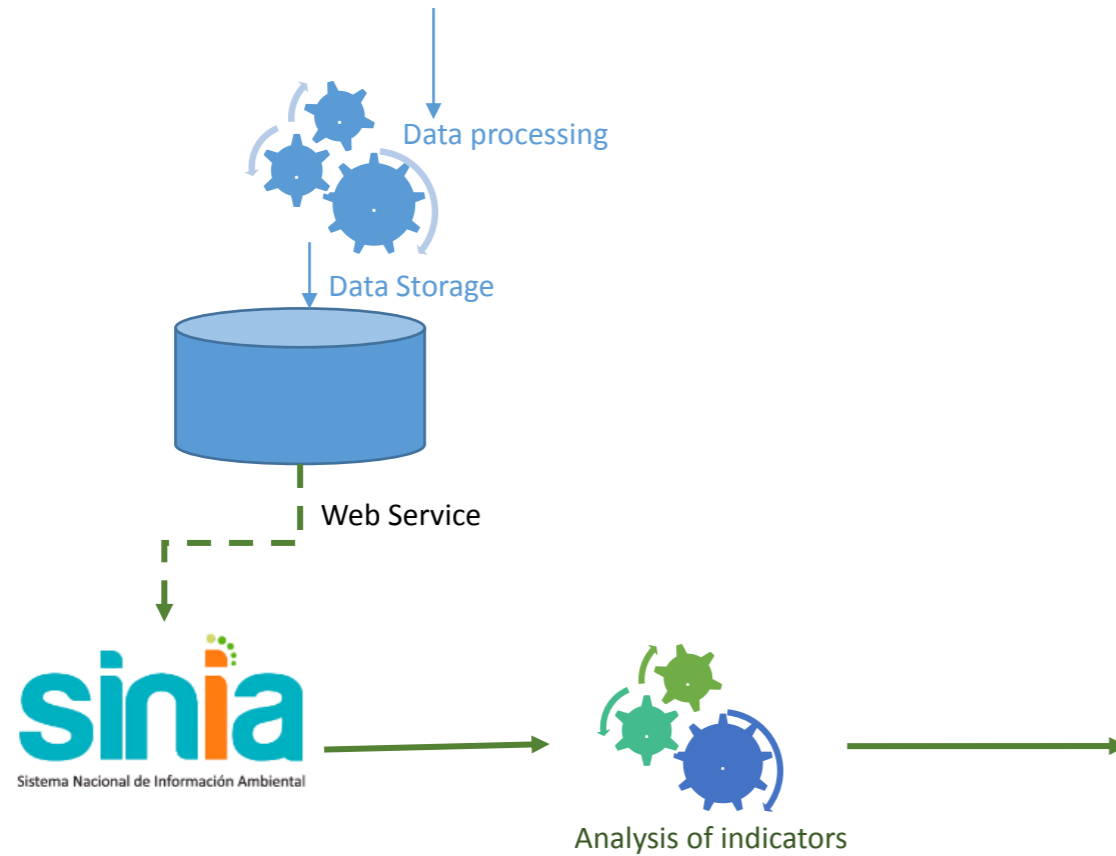
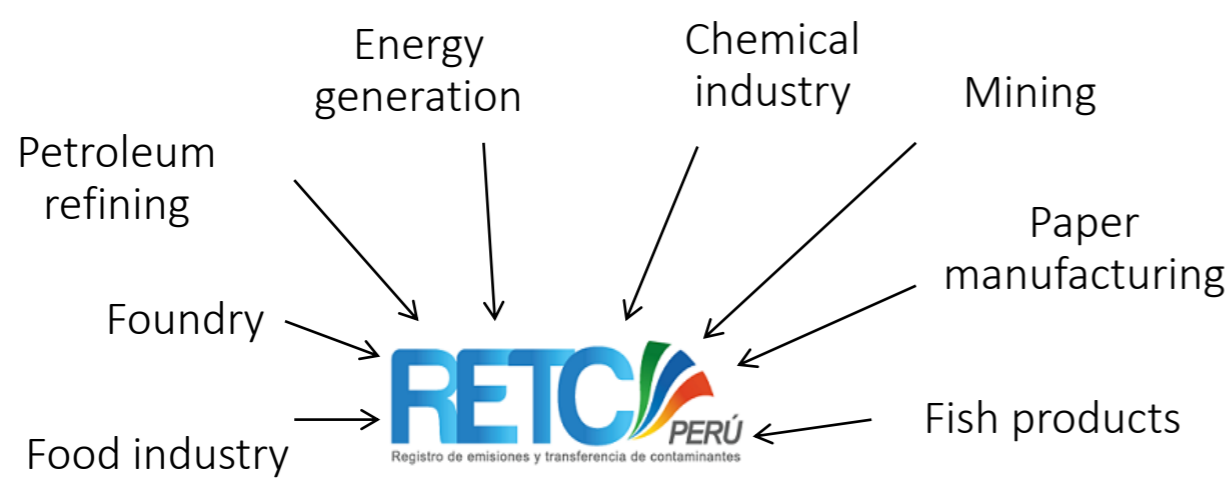
Energy and Mines Sector

Generation of electric power, metallic and non-metallic mining, oil exploitation and refining.

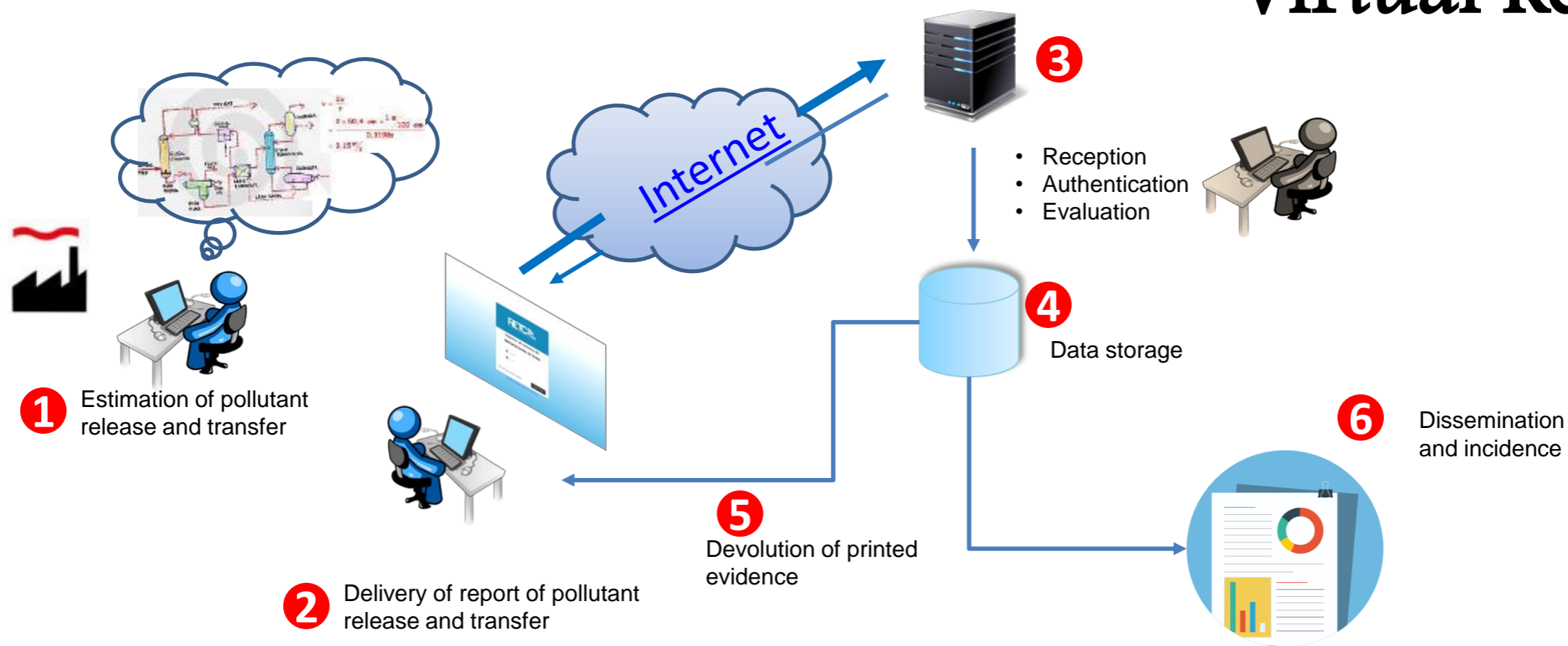
Agriculture Sector

Agribusiness and livestock






Virtual Report



Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Set	Oct	Nov	Dic
Submission of statements			Evaluation of statements				Elaboration of Statistical report			Preparation	




Registro de Emisiones y Transferencias de Contaminantes


[Inicio](#)[Acerca de](#)[Sobre el reporte](#)[Documentos](#)[Novedades](#)[Contáctenos](#)

Acceso a empresas

Ingresar

Documentos recientes


 Beneficios de un Registro de Emisiones y Transferencias de Contaminantes (RETC) para la ciudadanía




Perú cuenta con el RETC, una herramienta fundamental para acceder a la OCDE

SOBRE EL RETC


QUIÉNES REPORTAN



QUÉ SE REPORTA



CÓMO SE REPORTA



Web Portal of PRTR

Unique means for the reception and evaluation of reports sent by industries. Each organization will count with an user name and password to register and elaborate their reports.

Reporting environment for pollutant release and transfer (single window model)



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Ministerio
del Ambiente

Establecimiento el olivar2

INICIO

ORGRIMAR

SALIR



Mis Datos

Completado al 71%



Procesos

Completado al 50%



Residuos

Completado al 43%



Efluentes

Completado al 0%



Emisiones

Completado al 100%




Gestión

Completado al 0%



Calendario



Configuración



Calculadora



Indicadores

Ciclo de Reporte 2017


Etapa de Reporte
Quedan 15 días, 0 horas 20 minutos

[Historico de declaraciones de emisiones](#)

Año	Nombre del Reporte	Estado	
2014	Reporte de Emisiones	Aprobado	Ver
2015	Reporte de Emisiones	Aprobado	Ver
2016	Reporte de Emisiones	Aprobado	Ver

[Historico de declaraciones de residuos](#)
[Historico de declaraciones de efluentes](#)

Report: Plant processes



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INICIO > Procesos

ORGRIMAR SALIR

Procesos Productivos

Flujograma del proceso

Ajuntar archivos PDF o MS Excel de hasta 500KB

Seleccionar archivo Ningún archivo seleccionado

Adjuntar archivo


Archivos Subidos:

Consumo de Energía

Segunda Sección

Consumo eléctrico *: Watts/año

Consumo de Combustible *:

Fuente	Tipo de Combustible	Cantidad	Densidad		
Caldero	GLP - BUTANO	45450	450		

Agregar

Consumo de agua

Segunda Sección

Agua en proceso *: Litros/año

Agua en oficinas *: Litros/año

Campos Requeridos (*)

Actualizar

Cancelar

Report: Hazardous waste



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INICIO > Residuos

ORGRIMAR SALIR

Generación de Residuos

— Declare los residuos y sus características

Declarar

Actividad Generadora	Insumo Utilizado	Tipo de Residuo	Acciones	
Ejemplo de Actividad Generadora	Aceite	AG - Agropecuario y Agroindustrial		

Manejo de Residuos Peligrosos

— Declare los residuos y sus características

Declarar

Nombre	Código	Tipo de Residuo	Indicador	Cantidad Generada	Cantidad Dispuesta	Unidad	Movimiento	Acciones
No se han registrado residuos								

Residuo

Descripción

Residuo *

Y2 - Residuos resultantes de la produccion y preparacion de productos farmaceuticos

Cantidad Generada Mensual

Enero

Febrero

Marzo

Abril

Mayo

Junio

Julio

Agosto

Setiembre

Octubre

Noviembre

Diciembre

Cantidad Generada Año*

Cantidad Dispuesta*

Unidad de Medida *

Densidad(kg/litro)

0

-SELECCIONE-

Tipo Recipientes*

Cantidad Recipientes*

Tipo de Movimiento *

Estado de Residuo *

-SELECCIONE-

-SELECCIONE-

-SELECCIONE-

Indicadores de Peligrosidad *

☐ Inflamabilidad

☐ Reactividad

☐ Patenogenicidad

☐ Explosividad

☐ Toxicidad

☐ Corrosividad

☐ Radioactividad

RUC del Operador

Tipo de Operador

No. de Registro


-SELECCIONE-

Campos Requeridos (*)

Guardar

Cancelar

Report: Dumping





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INICIO > Efluentes

ORGRIMAR  SALIR 

Efluentes

Contaminantes Líquidos

— Vertimientos


Forma de sustancia	Cantidad	Unidad de Medida	Método de Cálculo (M,C)	
Aguas residual generada	<input type="text"/>	<div>-SELECCIONE-</div>	<div>-SELECCIONE-</div>	
Aguas residuales tratadas	<input type="text"/>	<div>-SELECCIONE-</div>	<div>-SELECCIONE-</div>	
Aguas residuales reusadas	<input type="text"/>	<div>-SELECCIONE-</div>	<div>-SELECCIONE-</div>	
Aguas residuales vertidas al cuerpo receptor	<input type="text"/>	<div>-SELECCIONE-</div>	<div>-SELECCIONE-</div>	
Aguas residuales transferidas	<input type="text"/>	<div>-SELECCIONE-</div>	<div>-SELECCIONE-</div>	

Guardar

Cancelar

Completado al 0%

Report: Emissions



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INICIO

>

Emisiones

ORGRIMAR

SALIR

Emisiones

Chimeneas

— Primera Sección

Agregar

Chimenea	Presión	Temperatura	Fracción de Gas Seco	Flujo Volumétrico	Flujo Volumétrico a C.N.	Tiempo de Actividad		
chimenea1	1	80	99	30	30	7000	<div></div>	

Descargas

— Segunda Sección

Agregar

Ducto	Caudal	Tiempo de Actividad		
rest	455.54	48484	<div></div>	

Emisiones de contaminantes

— Tercera Sección

Agregar

CAS	Contaminante	Cuerpo Receptor	Nombre de Cuerpo Receptor	Cantidad	Unidad Medida	Método de cálculo		
--	Material particulado (MP 10)	Aire		54	Kg/año	ESTIMADO	<div></div>	
7783-06-4	Ácido sulfhídrico / Sulfuro de hidrógeno	Aire		42	Kg/año	ESTIMADO	<div></div>	

* M: Medido, C: Calculado

Cancelar

Enviar a Titular

Completado al 100%

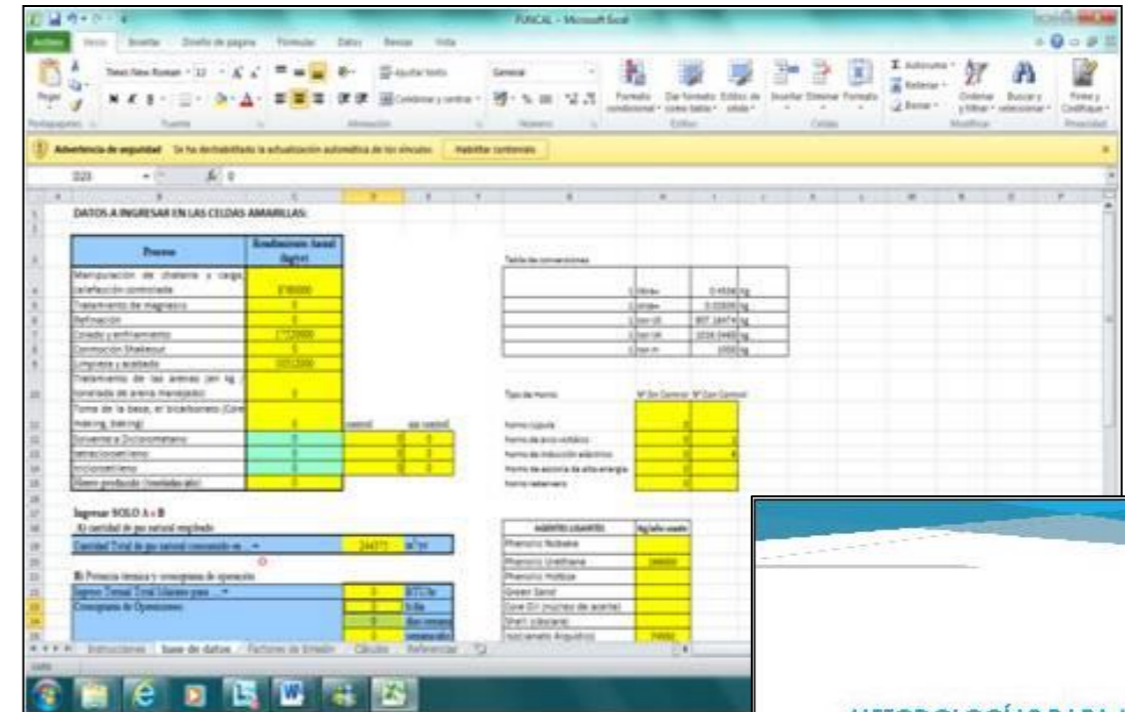
Estimation methods

There are 4 methods for the estimation of emissions: Monitoring at the source, engineering estimation, emission factors and material balance.

Emission Calculators

Used by industrial organizations for the estimation of their annual emissions, through of the use of emission factors developed by EPA (Guideline AP 42).

- Ferrous foundries
- Production of fish flour
- Production of fish oil
- Tannery
- Textile



Chemical substances

144


Chemical substances

7

Parameters



System Administrator



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Usuario administrador

[INICIO](#) [Mantenimiento](#) [Declaraciones](#) [Reporte](#) [Control de Accesos](#) [ADMINISTRA](#) [SALIR](#)

Roles del sistema

[Adicionar Nuevo](#)

Paginación 15

Buscar...

Rol	Pagina	Estado	Acciones
ADMINISTRADOR DEL SISTEMA	frmBandejaAdministrador.jsp	<input checked="" type="checkbox"/>	✎ ✎ ✕
DECLARANTE DE ESTABLECIMIENTO	panelPlanta.jsp	<input checked="" type="checkbox"/>	✎ ✎ ✕
DECLARANTE TITULAR	panelEmpresa.jsp	<input checked="" type="checkbox"/>	✎ ✎ ✕
EVALUADOR	frmBandEvaluador.jsp	<input checked="" type="checkbox"/>	✎ ✎ ✕

Mostrando 1 a 4 de 4 registros

[Anterior](#) [1](#) [Siguiente](#)



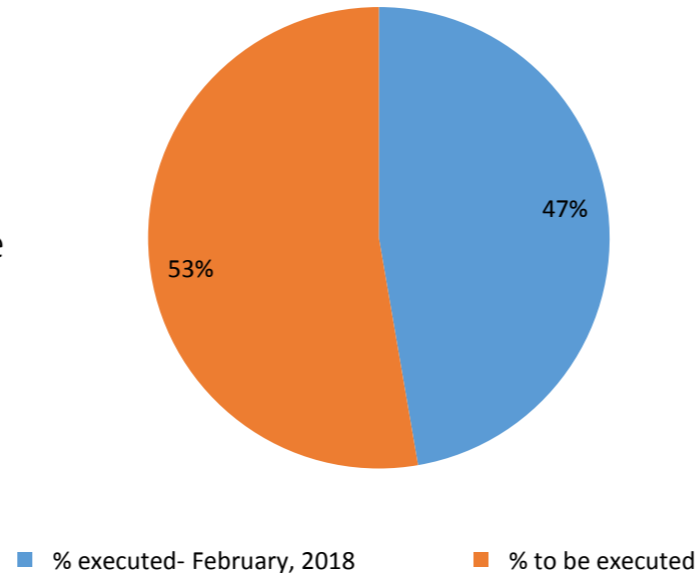
Executed
activities

Project Budget

Budget lines

1. Personnel expenses
2. Travel
3. Operational expenses
4. Supplies, materials
5. Equipment, vehicles, and furniture
6. Contract services
7. Administrative expenses- PNUD

Executed budget



TOTAL AMOUNT OF THE PROJECT: \$ 190,000.00

- **Total amount executed up to February, 2018:**
\$ 89,835.33
- **Remaining budget to be executed:**
\$ 110,164.67

Expenses up to February, 2018

Reporting period: February, 2018		From: January 2017			To: February 2018			
Budget lines		TOTAL BUDGET OF THE PROJECT	BUDGET OF CURRENT YEAR	EXPENSES INCURRED IN 2017	EXPENSES INCURRED FROM JANUARY TO FEBRUARY, 2018	EXPENSES INCURRED DURING THE CURRENT YEAR	TOTAL EXPENSES INCURRED UP TO DATE	TOTAL BALANCE TO BE EXECUTED
72610	Personnel expenses	23,700.00	14,260.00	9,440.00	2,360.00	2,360.00	11,800.00	11,900.00
	National coordinator of the project							
	Administrative assistant							
72615	Travel	4,320.00	2,589.44	1,730.56	0.00	0.00	1,730.56	2,589.44
	Tickets							
72625	Operational Expenses	16,140.00	7,996.66	8,143.34	500.00	500.00	8,643.34	7,496.66
	National meetings and workshops; national reports; other operational expenses							
72630	SUPPLIES, RAW MATERIAL, MATERIALS	700.00	201.46	498.54	0.00	0.00	498.54	201.46
	Various							
72635	EQUIPMENT, VEHICLES, AND FURNITURE	7,340.00	2,114.38	5,225.62	0.00	0.00	5,225.62	2,114.38
	Computer equipment; furniture							
72640	CONTRACT SERVICES	122,969.94	82,530.59	40,069.41	18,467.54	18,467.54	58,536.95	64,432.99
	National consultant in charge of the elaboration of the national executive proposal							
	National consultants in charge of the development and coordination of training sessions targeted at industries, NGO’s, civil society and the media/ journalists							
	Simultaneous interpreters for meetings							
	Consultant in charge of the development of campaigns related to PRTR targeted at civil society							
	Consultant in charge of the development of an online reporting system							
	Consultant in charge of the design of a national guideline on estimation methodologies for the industrial sector							
72645	INDIRECT SUPPORT EXPENSES	14,830.06	11,429.74	2,869.02	531.30	531.30	3,400.32	11,429.74
	Administrative expenses- PNUD							
TOTAL		190,000.00	121,122.27	67,976.49	21,858.84	21,858.84	89,835.33	100,164.67

Upcoming consulting engagements~ 2018

Upcoming engagements- 2018	Biannual 1 2018	Biannual 2 2018
Consulting service for the training, technical assistance, and consistency evaluation of reports submitted to PRTR by organizations	X	
Development of campaigns targeted at civil society 2018		X
Elaboration and printing of national guidelines on estimation methodologies	X	
Consultancy for the elaboration of final report		X



Kick- off workshop

Attended:

22

Representatives
of organizations

06

Representatives
of associations

12

Governmental
representatives



National executive proposal



VISION

By 2021, Peru counts with Pollutant Release and Transfer Registers (PRTR) institutionalized and implemented according to OECD standards. Citizenship has access, due to PRTR, to information related to pollutant release and transfer from the main economic activities of the country

General Objective

To establish the strategy for the implementation of PRTR, considering the international standards of OECD

Objetivos específicos

- Determine the results, objectives, goals, activities, and indicators up to 2021, oriented to implement the Peruvian PRTR according to international commitments engaged by the country.
- Identify responsibilities for the execution of the proposed activities.
- Point out the assumptions for the accomplishment of activities.
- Estimate the budget required for the implementation of PRTR until 2021.

Communicational Strategy

Estrategia
Nacional
de
Difusión
e
Incidencia
Pública

It consists of a Communication Plan which proposes strategic alliances and communicational actions with different actors

- A diagnosis of current situation was completed
- Main actors involved were identified
- Roles were appointed (ally or targeted public)
- Communicational objectives were proposed to reach the audience
- Actions and activities were strategically proposed, with indicators and estimated results, according to project budget

Objectives by audience



Organizations

- To disseminate the advantages for organizations due to the reporting to PRTR



Allies MINAM- other PRTR

- To disseminate aspects of PRTR through communicational channels of allies



Means of communication/ environmental communicators

- To position PRTR in mass media, business and specialized circles



University students

- To disseminate in a dynamic and simple way the aspects of PRTR



Universities / research centers

- To disseminate aspects of PRTR in dialogue spaces



Sectors

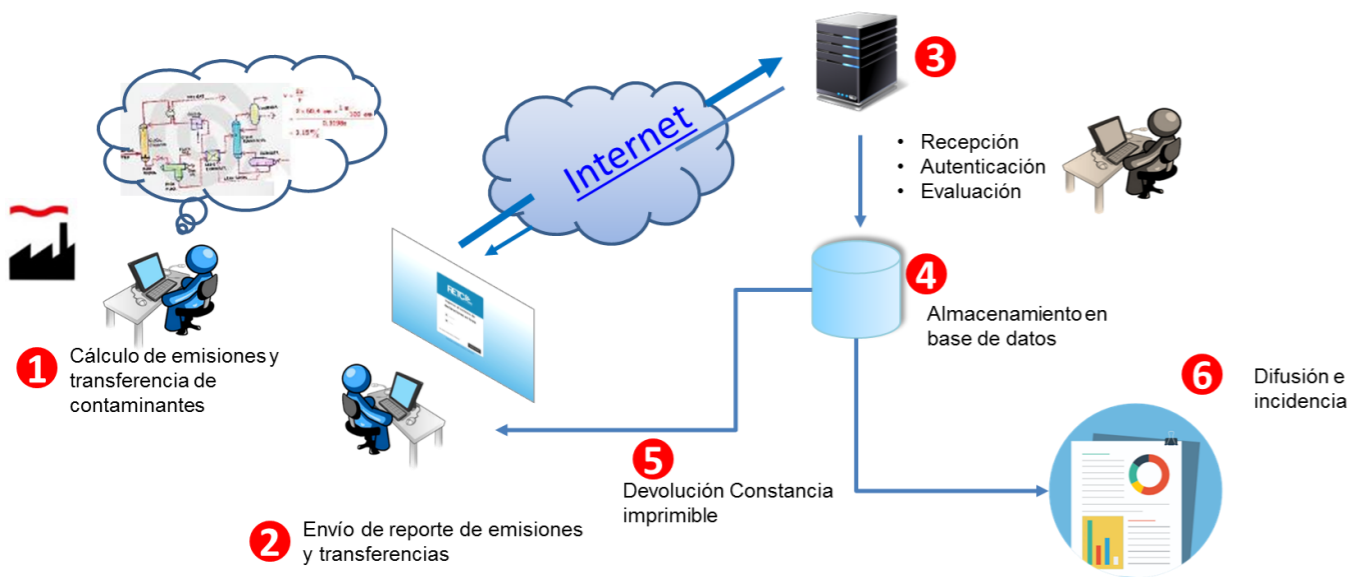
- To disseminate the importance of PRTR in the risk management of the country



NGOs

- To promote citizenship participation within informative campaigns about PRTR and risk prevention for health due to the exposure to hazardous substances





PRTR Reporting Cycle~ 2017



Training sessions on the reporting to Pollutant Release and Transfer Registers targeted at organizations, as well as on estimation methodologies for emissions: Ica, Trujillo e Iquitos

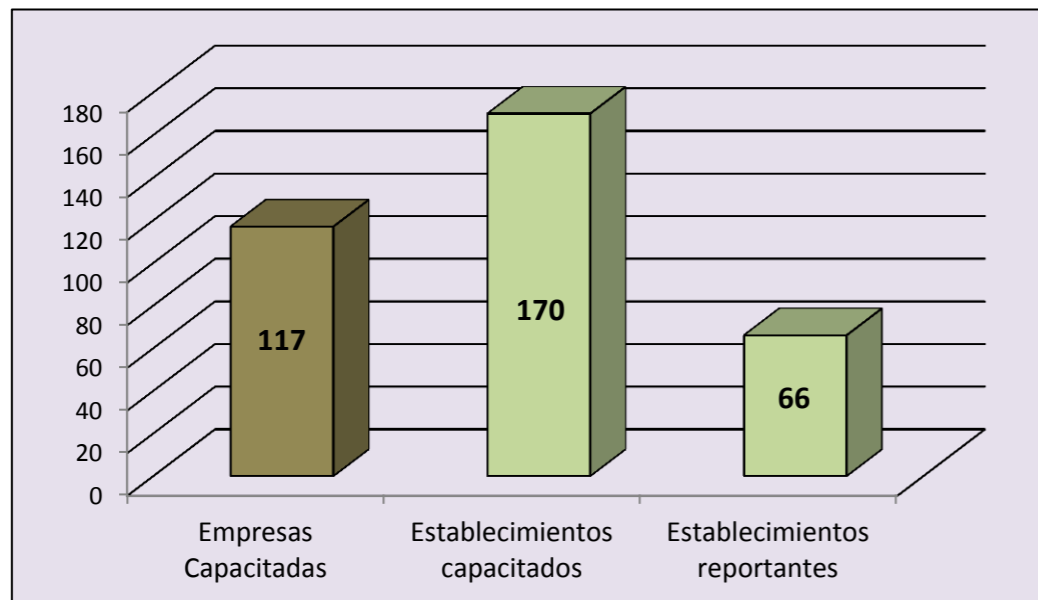




Training sessions on the reporting to Pollutant Release and Transfer Registers targeted at organizations, as well as on estimation methodologies for emissions

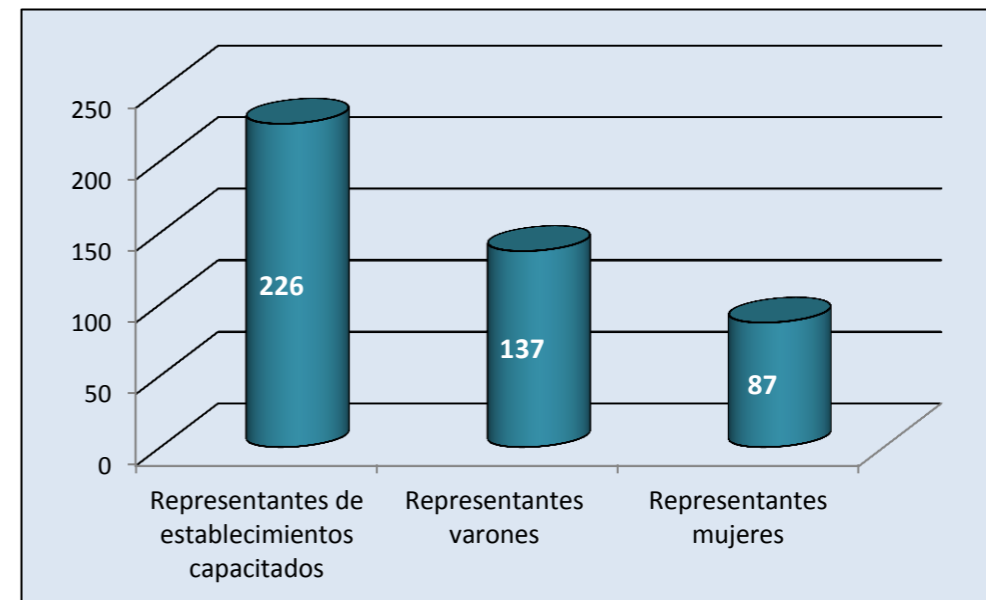


Number of representatives of organizations and plants trained



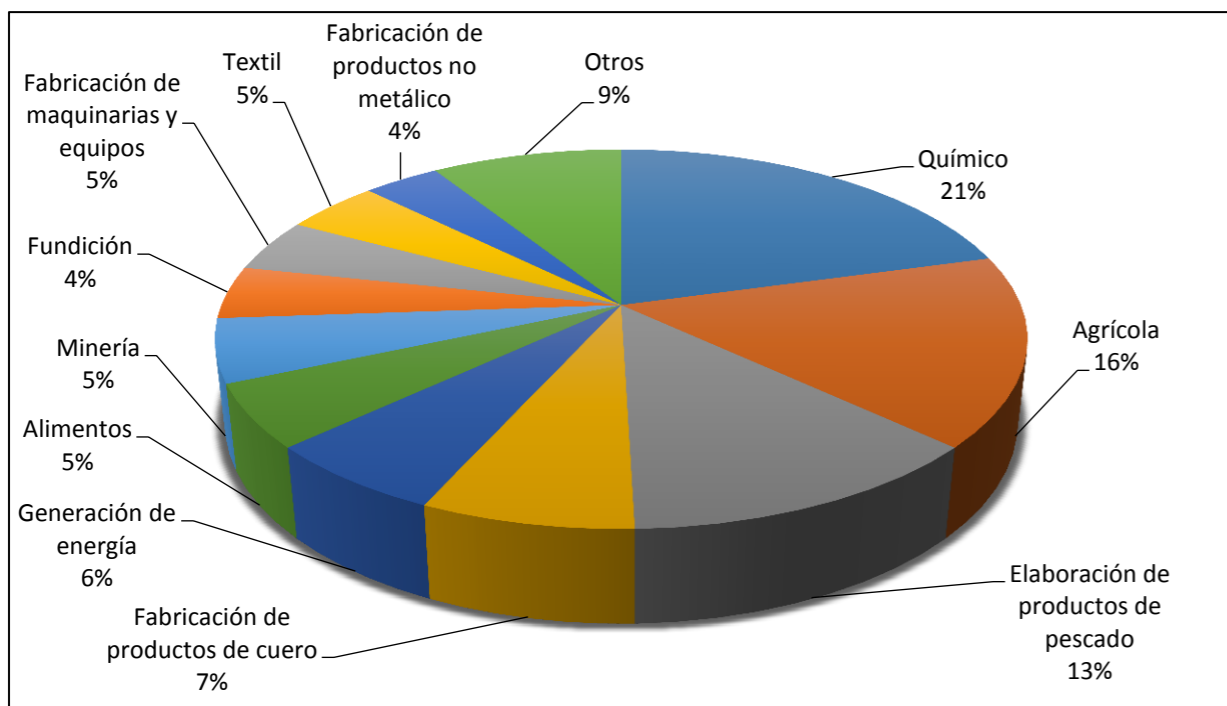
Each organization may possess more than one plant (e.g. fishing companies have plants in different regions)

Number of representatives of plants trained



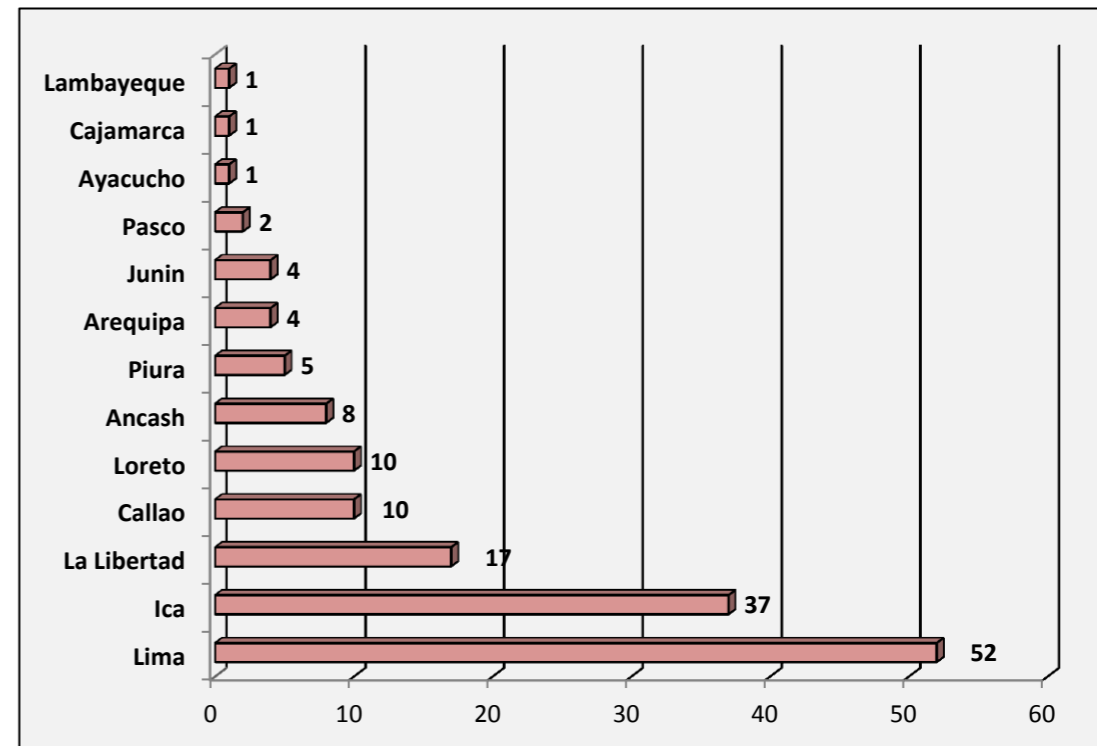
Representatives of plants were trained *in situ* (in the plants of organizations or other place designated by PRTR), or by virtual modality

Number of trained organizations by sector



Each organization may possess more than one plant (e.g. fishing companies have plants in different regions)

Number of plants by region



The list considers only plants that began the reporting process (users were created for the plants)



PESQUERA PELAYO S.A.C.

Embotelladora
LA SELVA S.A.
Una empresa de Corporación Lindley S.A.





Next steps

Approval of the
PRTR norm

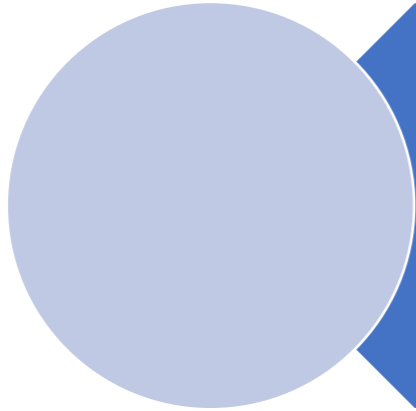
Presentation of
the data
dissemination
strategy

Standardization
of Peruvian
PRTR according
to OECD
requirements

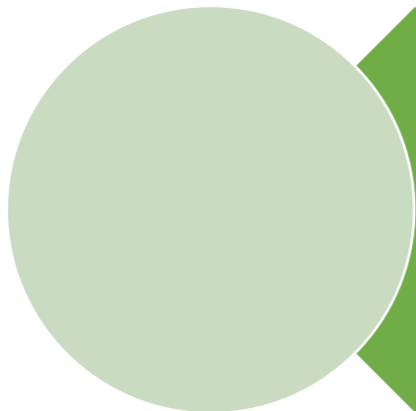
Development of
web section of
data
dissemination

Development of
second
reporting cycle

Topics for discussion



Methodologies for the
estimation of emissions from
stationary and mobile sources



Confidential information

Thank you