



***Global Environment Facility (GEF)
9771: Global best practices on
emerging chemicals policy issues of
concern under the Strategic Approach
to International Chemicals
Management (SAICM)***

***Component 1: Promoting regulatory and voluntary action by
government and industry to phase out lead in paint***

Deliverable: ***Minutes of Meetings for the Regional Workshop of
Lead in Paint (Colombia – Ecuador – Peru)***

Version: ***Vs.1***

Date: ***21st of June, 2019***

***Elaborated by:
Grupo GEA / NCPC Peru***



Contact Information

National Cleaner Production Centre of Peru:

Centro de Ecoeficiencia y Responsabilidad Social - CER

www.cer.org.pe

Calle Paul de Beaudiez 588 – San Isidro

Lima – Perú

Tel.: +511 467 18 17

Maricé Salvador

msalvador@grupogea.org.pe

Margaret Chávez

mchavez@grupogea.org.pe

Nelly Arias

narias@grupogea.org.pe

Operated by:



Member of:



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SUMMARY

The Regional Workshop “No Lead in Paints” was realized during the 18th and 19th of June 2019 with the coordination of the three National Cleaner Production Centers (NCPCs) of Ecuador, Colombia and Peru. The workshop was held in Lima, in the National Society of Industry.

The regional workshop is part of the deliverables stated in the Project Cooperation Agreement (PCA) held between the United Nations Environment Programme (UNEP) and the non-governmental organization Grupo GEA in 2019. As mentioned in the PCA, the Activity 7, specifically 7.4, mentioned the following: “Organize a regional workshop with all relevant stakeholders to share the final technical guidelines provided by NCPC Serbia” during the year 2019.

As previously agreed among executors and advisory partners, the regional workshop was attended by one representative of NCPC Colombia, Ecuador and Serbia, and the participation of the UN Environment Regional Office.

The regional workshop lasted 1 ½ (one and a half) day in Lima (Peru) within which relevant stakeholders participated. The workshop was attended by approximately 80 professionals from public (50), private (25) and academic (5) entities; for them, information was given related the global and regional economic, environment and social impact of lead paints, status of regional and country regulatory actions regarding lead paints, progress regarding country project given by Ecuador, Colombia and Peru and opportunities and challenges of paint SMEs regarding lead paints.

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1. GENERAL INFORMATION AND BACKGROUND

Global contaminants such as Persistent Organic Pollutants (POPs) or mercury are regulated by Multilateral Environmental Agreements (MEAs), namely the Stockholm and Minamata Conventions respectively. A number of additional 'Emerging Policy Issues' (EPIs) have been nominated for voluntary, cooperative risk reduction actions by countries through the Strategic Approach for International Chemicals Management (SAICM). In 2002, Governments identified the goal that "by 2020, that chemicals are used and produced in ways that lead to the minimization of significant adverse effects on human health and the environment."

One of the Emerging Policy Issues is focused on lead in paint. Lead paint is a major source of childhood lead exposure, for example via contaminated dust in homes that can be inhaled or ingested (UNEP 2010). Even relatively low levels of exposure to lead can cause serious and irreversible neurological damage, there is no known safe level of lead exposure. The cost of removing existing decorative lead paint from surfaces in homes, schools, and other buildings is significant. By contrast, the economic cost for eliminating the use of lead compounds in new decorative paints is low and alternatives to lead additives are available for all types of paints. Many manufacturers have successfully reformulated their paint products to avoid the intentional addition of lead. However, the continued use of lead paint around the world remains a significant source of human exposure. To protect human health, laws (legislation, regulations, or enforceable standards that are mandatory) are needed in every country to stop the manufacture, import and sale of lead containing paints and lead based pigments and other additives used in the manufacture of paints locally. Though lead-free alternatives exist, barriers to their use by the paint industry include lack of regulations, access to vendors and lack of awareness of small and medium sized manufacturers on the need for phasing out lead paint.

The main objective of this project is for the 3 countries (Colombia, Ecuador and Peru) in the Andean sub region to adopt laws intended to phase out the manufacture, import and sale of lead paint and to eliminate the lead poisoning risks. Activities to attain the objective include: facilitating meetings among stakeholders, disseminating information of trade unions and health-care issues, highlighting the availability of technically superior and safer alternatives; catalyzing the design and implementation of appropriate prevention-based programs to reduce and eliminate risks from the use of lead in paints and products coated with lead paints; helping identify paint manufacturers and formulators that continue to produce and market paints containing lead so as to foster actions to phase out lead from their products; and advocacy with governments for the establishment of appropriate national regulatory frameworks to stop the manufacture, import, sale and use of lead paints.

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2. PROJECT CONTEXT

Grupo GEA/CER implements the Component 1 “*Promoting regulatory and voluntary action by government and industry to phase out lead in paint*” of the project Global Environment Facility (GEF) 9771: Global best practices on emerging chemicals policy issues of concern under the Strategic Approach to International Chemical Management (SAICM) during the period of 2019 – 2021.

Within the Project Cooperation Agreement (PCA), CER/Grupo GEA aims to implement policy making and technical activities to facilitate the elaboration of a regulatory action to phase out lead paints and implement pilot demonstrations in paint SMEs to reformulate paints with lead-additives.

More specifically the contractor is expected to develop and deliver the following:

Activity 7: Dissemination of paint reformulation technical guidelines

Deliverable/Output: Report of regional workshop

For the present report, the activities described fit under Activity 7.4; particularly in the contractor is expected to:

Activity 7.4: Organize a regional workshop with all relevant stakeholders to share the final technical guidelines provided by NCPC Serbia.

3. DESCRIPTION OF ACTIVITIES UNDER CONTRACTED SERVICES

Activity 7.4 Organize a regional workshop with all relevant stakeholders to share the final technical guidelines provided by NCPC Serbia.

CER/Grupo GEA organized one and a half day regional workshop, during June 2019, for the presentation of the preliminary “Paint Reformulation Technical Guideline”, elaborated by NCPC Serbia, to government and industry representatives.

3.1 National Industry Society on 18th of June 2019

A. Morning Session

- The morning session was placed on the Convention Center of the National Industry Society (Calle Los Laureles 365, San Isidro) from 08:30 – 13:00. The Official Agenda for the event is presented in the Annex 1A.
- The event was opened for general public related to the paint sector, and aimed to present the global and regional impact (economic, social and environmental) of lead

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paints and the regional context of the project. Within each, the Paint Reformulation Technical Guideline was presented.

- The event was attended by 62 participants from industry companies: 30% were government representatives and 70% representatives from paint industries and providers.
- The Annex 1B presents the List of Participants and Annex 1C the Meeting Minutes.
- The Annex 1D presents the PPT and the Annex 1E the photographic record.

B. Afternoon Session

- The afternoon session was placed on the Auditory #5 of the National Industry Society (Calle Los Laureles 365, San Isidro) from 15 – 17:30. The Official Agenda for the event is presented in the Annex 2A.
- The event was opened for industrial representatives of the paint sector and aimed to present in-depth Paint Reformulation Technical Guideline with potential paint industry participants. The preliminary guideline was given to each participant.
- The event was attended by 23 participants from mainly industry companies: 83% were paint industry and providers' representatives and 17% government representatives.
- The Annex 2B presents the List of Participants and Annex 2C the Meeting Minutes.
- The Annex 2D presents the PPT and the Annex 2E the photographic record.

3.2 National Industry Society on 19th of June 2019

A. Morning Session

- The morning session was placed on the Auditory #5 of the National Industry Society (Calle Los Laureles 365, San Isidro) from 08:30 – 13:00. The Official Agenda for the event is presented in the Annex 3A.
- The event was closed to inter-agency committee members and aimed to inform them the progress and road map for the elaboration of regulatory actions for lead paint. Within this, the model law was mentioned and the reformulation technical guideline was explained. The NCPCs of Ecuador and Colombia presented the national progress

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related baseline studies and regulatory actions. Additionally, potential participant companies presented the challenges in the sector and the potential regulatory actions.

- The event was attended by 29 participants: 42% were government representatives, 28% industrial chambers and 30% paint industry representatives.
- The Annex 3B presents the List of Participants and Annex 3C the Meeting Minutes.
- The Annex 3D presents the PPT and the Annex 3E the photographic record.

4. DELIVERABLES FOR THE REGIONAL WORKSHOP (ACTIVITY 7.1)

4.1 Agenda and List of participants

- Agenda are presented in Annex 1A, 2A and 3A.
- List of participants are presented in the Annex 1B, 2B and 3B.

4.2 Minutes of the Event

- The Minute of the Meeting are presented in the Annex 1C, 2C and 3C.

4.3 Content of the event

- The content of the event are presented in the Annex 1D, 2D and 3D.

4.4 Photographic record

- The photographic records are in the Annex 1E, 2E and 3E.

4.5 Social media dissemination

- Annex 4 presents the social media publications made through the institutional FB web page and others made by stakeholders.

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ANNEX 1. MORNING SESSION

REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 1.A. AGENDA OF THE EVENT

DAY 1

BARRIERS AND OPPORTUNITIES FOR REGULATORY ACTIONS

Date: June 18th

Time: 08:30 – 13:00

Venue: Centro de Convenciones de la Sociedad Nacional de Industrias (SNI).
Calle Los Laureles 365 – San Isidro

OBJECTIVE:

Understand the importance of establishing mechanisms for joint work among relevant government institutions and stakeholders in order to generate effective regulatory instruments (legislation, regulations or applicable standards) for the elimination of lead paint.

TARGET AUDIENCE:

Government and SMEs representatives.

AGENDA:

TIME	ACTIVITY	RESPONSABLE
08:20	Registration	
08:40	Opening	<ul style="list-style-type: none"> ▪ Jordi Pon, UN Environment ▪ Luis Bravo, Environmental Ministry ▪ Elmer Quichiz, Health Ministry ▪ Marcos Alegre, Grupo GEA
09:10	Lead in paint: economic, social and environmental global context.	<ul style="list-style-type: none"> ▪ Jordi Pon, UN Environment
09:40	The SAICM GEF project “Lead Free Paints”	<ul style="list-style-type: none"> ▪ Marice Salvador, Grupo GEA
10:00	Coffee break	
10:20	Regional context: Progress for the countries of Colombia, Ecuador and Peru	<ul style="list-style-type: none"> ▪ Miriam Orbea, NCPC Ecuador ▪ Natalia Echevarría, NCPC Colombia ▪ Margaret Chávez, NCPC Peru
11:00	Presentation of the guide “Reformulation of Lead in Paints”	<ul style="list-style-type: none"> ▪ Vojislavka Sartric, NCPC Serbia
11:30	Panel: Promoting free lead paint in Peru - Ministry of Health: Elmer Quichiz - Ministry of Environment: Micaela Gonzalez - National Society of Industry: Rosa María del Castillo - University PUCP: Santiago Flores	<ul style="list-style-type: none"> ▪ Carmen Gastañaga, National Institute of Health
12:10	Commitment “No Lead Paints”	<ul style="list-style-type: none"> ▪ Public and private entities of the project
12:40	Conclusions and closure	<ul style="list-style-type: none"> ▪ Elmer Quichiz, Health Ministry

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ANNEX 1.B. LIST OF PARTICIPANTS



Evento Regional "Pinturas Libres de Plomo"

Lista de Participantes



Reunión: "Problemática y Acciones Regulatorias"
 Fecha: 18 de junio de 2019
 Lugar: Calle Los Laureles 365 – San Isidro

N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
1	Alegre	Marcos	CER - Grupo GEA		malegre@grupogea.org.pe	✓
2	Alva Estabridis	Camila	Ministerio del Ambiente - DCCSQ	6116000	calva@minam.gob.pe	
3	Laura Peinado	Evelyn	Anders Peru SAC	997538421	evelyn.laura@qanders.com	<i>[Signature]</i>
4	Becerra Durand	Alexander	Anders Peru SAC	6158600	alexander.becerra@qanders.com	<i>[Signature]</i>
5	Arias	Nelly	Grupo GEA			<i>[Signature]</i>
6	Ayllón Carreño	José Luis	CAPECO	2302700	jayllon@capeco.org	<i>[Signature]</i>
7	Azpiroz	Jorge	Renner Coatings	997775622	jazpiroz@rennercoating.com	<i>[Signature]</i>
8	Badajos	Elmer				<i>[Signature]</i>
9	Barreto	Maria Elena	Asociación de Exportadores	98960912	puba.net@adaxperu.org.pe	<i>[Signature]</i>
10	Barriga Veliz	Hernán	Universidad Antonio Ruiz de Montoya	7195990	hernan.barriga@uarm.pe	<i>[Signature]</i>
11	Caballero Romero	Piero Yiancarlos	Corporación GTM del Perú SA	989198846	pcaballero@gtmchemicals.com	<i>[Signature]</i>

PUNTOS FOCALES NACIONALES:



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N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
12	Cabrera Guevara	Henry	SUNAT		hcabrerag@sunat.gob.pe	
13	Carnacho Huaranga	Yolanda	Coves Peru	951932229	camachoy714@gmail.com	
14	Canchanya Carlos	Marco Antonio	A3M Company SA			
15	Canchucaya Ruiz	Julia Inés	Ministerio de la Producción			
16	Carrasco Oscana	Jacqueline	Ministerio de Salud	993752444	jackyeli20@hotmail.com	
17	Chavez	Margaret	CER - Grupo GEA		mchavez@grupogea.org.pe	✓
18	Chavéz	Johanna	Goldfish		jchavez@goldfish.com.pe	
19	Chunga Pingo	Oscar	Colegio de Ingenieros - Capitulo de Quimica		ochunga@cip.org.pe	
20	Cruz Meza	Cynthia Karina	EsSalud			
21	Cueva	Miguel				
22	Del Castillo	Rosa Maria	Sociedad Nacional de Industrias - CIQ	9876 70031	rmdelc@sni.org.pe	

PUNTO FOCAL NACIONAL:



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N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
23	Delgado	Jose				
24	Dexter	Alfredo	Grupo GEA			✓
25	Díaz Acuña	Vladimir				
26	Echavarría	Natalia	NCPC Colombia		natalia.echavarría@cnpml.org	<i>Natalia E</i>
27	Farfan	Vilma				
28	Fernández Anaya	Luis	Centro Toxicológico SAC - CETOX		lafa@cetox.com.pe	
29	Foster Cevasco	Gerald				
30	Gastañaga	Carmen	Instituto Nacional de Salud - CENSOPAS		mgastanaga@ins.gob.pe	<i>Carmen G</i>
31	Gonzales Carranza	Gabriel Antonio				
32	Guardamino Gallardo	Nelly	Soluciones en Productos Químicos Perú			
33	Jimenez	Edward				

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N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
34	Jurado	Laura	Municipalidad de Lima			
35	López	Richard				
36	Lopez Ysla	Rafael	Clariant Plastics & Coating(Perú) SAC	99621449	rafaelhernando.lopez@clariant.com	
37	Loyola	Cecilia	Ecocolor			
38	Malaga Davila	Ivan Augusto	Servicios Generales Técnicos		imalagad@gmail.com	
39	Marchán Tarazona	Esther Irene	Institución Educativa Inicial N° 42	995827780	esther_irene@hotmail.com	
40	Mayer Martinelli	Francesca	Peru GBC	99 1669739	fmayer@perugbc.prg.pe	
41	Montezuma	Vanessa	Arquitectura & Ciudad			
42	Montoya	Veronica	Pontificia Universidad Católica del Perú			
43	Morales	Vilma	Ministerio del Ambiente		vmorales@minam.gob.pe	
44	Morales	Luis	Solquim Peru SAC	941091178	ventas1@solquimperu.com	

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N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
45	Norabuena	Angel				
46	OC	Mayli				
47	Ochoa Canal	Gladys	C&F Projects SAC	969281336	gladys166@yahoo.es	
48	Olivera Ccoiso	Jessica	Qroma	994063376	jolivera@qroma.com.pe	
49	Olivos	Brenda	Grupo GEA			
50	Orbea	Miriam	NCPC Ecuador	5744601777	miriam.orbea@ceer.ec	
51	Orosco Valverde	Franck	Kom Perú	960180640	enuglestic@gmail.com	
52	Ortega	Nancy	Soprin SAC		controldecalidad@soprin.com.pe	
53	Palacios	Ingrid	Grupo GEA			
54	Palomino	Magdiel	Universidad Antonio Ruiz de Montoya			
55	Pancorvo	Eduardo	Revestimientos y Adhesivos Peruanos SAC	989019058	eduardop@colorytextura.com	

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N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
56	Pijo Perez	Armando Jonatan	Ministerio de la Producción	953999762	apijo@produce.gob.pe	
57	Poma	Oscar	Wood Construcciones SAC	993074432	oscarpoma@outlook.com	
58	Pon	Jordi	ONU Medio Ambiente			
59	Quichiz Romero	Elmer	Ministerio de Salud - DIGESA		equichizr@minsa.gob.pe	
60	Ragas	Jonathan	Goldfish		jragas@goldfish.com.pe	
61	Ramos Cebreros	Victoria	Arquitectura & Ciudad			
62	Reyes	Ivan Javier				
63	Reyes Morales	Norman	Universidad Antonio Ruiz de Montoya	7195990	norman.reyes@uarm.pe	
64	Reyes Vargas	Carmen	C. de Poma	954477777	carmenreynaldes@gmail.com	
65	Rivas Alvarez	Rosario Eulalia	DIGESA		rrivas@minsa.gob.pe	
66	Rocca	Ana Maria	Verifica Green	999232731	a.ampilar@gmail.com	

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N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
67	Rodriguez Castro	Mario	Peru GBC		mrodriguez@perugbc.org.pe	
68	Rosas Otalora	Patricia	SUNAT		prosaso@sunta.gob.pe	
69	Salvador	Marice	CER - Grupo GEA		msalvador@grupogea.org.pe	
70	Sanchez	Walter	Envasadora San Gabriel SRL			
71	Saravia Salcedo	Frank Ernesto	Corporación GTM del Perú SA	947355463	fsaravia@gtmchemicals.com	
72	Satric	Vojislavka	NCPC Serbia		pbinpaints@gmail.com	
73	Sedano	Hermelinda				
74	Tiburcio Natividad	Pablo	Chemisa Pinturas		ptiburcio@chemisa.com.pe	
75	Susanibar Zevallos	Maria Roxana	Chemisa Pinturas	953907238	rsusanibar@chemisa.com.pe	
76	Tirado	Erika	Universal Colors		e.tirado@universalcolors.com.pe	
77	Toledo	Alonso	Diacritica	996838154	at@diacritica.com	

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N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
	Gonzalez Roca	MICHELIA CAYETANA	MINAM- DGCA	94735453	mgonzalez@minam.gob.pe	
	Flores Merino	SANTIAGO	PUCP	987729541	sflores@pucp.edu.pe	
	JULCA BARRIONES	BORIS	UNIVERSAL COORS	934793617	b.julca@universalcors.com.pe	
	Bravo Barrantes	Luis	MINAM - DGCA	99351578	lbravo@minam.gob.pe	
	Hernández	Miguel A.	CONSULTOR	999731562	miguel.hernandez@tor.com	
	Carrasco	Rodríguez Parax	DIGESA	949542683	Chavacarrasco@digesa.gob.pe	
	Zevallos	Cecilia	Breca	983564855	czevallos@breca.com	
	Chavez	Tarazona David	DIGESA	985179608	DavidTarazona@digesa.gob.pe	
	Ullascho	Florencia Winkler	DIGESA	990180132	ullascho@minam.gob.pe	
	Huerta Rojas	Yerania	DIGESA	942411161	yhuerta@minam.gob.pe	
	Recay	Sánchez Pardo	UGEL IS-HIRI	952315168	fame07@hotmail.com	

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N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA	
	Uziza	Palomares	Caracolpa	Sepin S.A	997046966	operaciones@caracolpa.com.pe	
	Ceballos	Maria	2 Ke	Grano. S.A	955105415	ceballos@grano.com.pe	
	Pimentel	Huy Vega,	Kern.	UGEL 15	95264970	phuc@hotm.il.com	
	Alvarado	Leon	Leon	DEF. COMERCIO	990299136	leon_alvarado@def.com	
	Calle	Shamani,	Yarome	MIMP	987725747	shamani@hotm.il.com	
	Elizabeth	Caballero	Chipana	colegio Los Carmelitas N° 055	963183132	payosi_18@hotmail.com	
	Evelin	Quispichito	Montañez	colegio LOS CARMELOS N° 055	966549966	Evelin.20.1997@hotmail.com	
	Sonia	Huarón	Cahuayo	colegio los carmelita	98766947		
	Carlos	Alvarado	com	Colica	942079804	Carlos_alvarado2012@gmail.com	
	César	Alvarado	Leon	CONGRESO	988962367	cesar_alvarado@chic.com	
	Moya	Yanao	Richard	Pinturas Escolor S.A	956489587	moya@ecolor.com.pe	

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N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
	SOPHIA	MARTINEZ LINDA	RE INGENIERIA	93911926	lo_10101010@hotmail.com	
	Centra	l Gómez, Graciela	Sigma	97514322	fondegem@gmail.com	



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ANNEX 1. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 1.C. MINUTE MEETINGS



Minutes of Meetings Inter-agency Committee “No Lead Paints” June 18th of 2019

On the Thursday 18th of June, at 08:30 a.m., the Regional Workshop was carried out at the facilities of the National Society of Industries (SNI). The morning session was held within the activities of the Lead-Free Paint Regional Workshop and was open to public.

The workshop was coordinated by Grupo GEA and the NCPC Peru - hereinafter CER / Grupo GEA.

1. Highlights of the presentations

1.1. Opening

The opening of the event oversaw the representatives of UN Environment, the NCPC of Peru and the National Focal Points: Ministry of Environment and Ministry of Health.

Jordi Pon, Regional Coordinator Chemicals and Waste for Latin America and the Caribbean, mentioned the following:

- The lead paints affect vulnerable population and results in economic cost to a country.
- Many companies have made reformulation in their paints.
- The project aims that more countries established a regulatory framework for the phase out of lead in 2020.
- In Latin America, most of the countries have no lead paint regulatory framework and others does not comply with the suggested limits (90 ppm).
- Companies, in these countries, apply voluntary actions.

Luis Bravo, Director of Environmental Quality and Eco-efficiency of the General Directorate of Environmental Quality for the Environment Ministry (MINAM) mentioned the

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following:

- To develop a regulatory framework, data about import and export should be considered.

Elmer Quichiz, Executive Director of the Directorate of Ecology and Environmental Protection of the General Directorate of Environmental Health (MINSA/DIGESA) mentioned the following:

- The role of the Ministry of Health is the public health.
- The ministry has experience in regulating lead and mentioned the non-lead toys law.
- The health effects were mentioned. He highlighted that lead is one of the top ten chemical substances that harm the society.
- The roadmap to phase out lead paints should be evaluated in technical chairs or committees.

Marcos Alegre, President of Grupo GEA, mentioned the following:

- The phase out of lead is a step in the regulation of hazardous chemicals.
- The lead paints used in construction ends as hazardous residues.
- If Peru aims to be an OECD country, chemical substances must be controlled.
- The project considers Peru, Ecuador and Colombia since trading of lead paints happens among the three countries.
- Companies must invest in technology.
- The inter-agency committee objective is to elaborate the proposal for lead paints.

1.2. Lead in paint: economic, social and environmental global context.

Jordi Pon, Official of the Regional Office of Un Environment, presented the global context for lead paints.

- The health effects were mentioned. It was highlighted the risk of lead paints in babies and pregnant women. The sources of exposure were explained.
- Though lead additives provide performance to paints, the effects on the health and economy of the country are significant. It is estimated an average cost of 1-5% of the GDP.
- The last reports, elaborated by UN Environment, mentions that the countries with no regulation has paints with more lead. The countries with advisable regulatory framework are Brazil and Argentina.
- The project is executed in 40 countries and aims for a regulatory framework. The project provides the executor partners with legal support for the elaboration of the proposal law and technical assessment for pilot demonstration.
- The UN Environment has elaborated a Model Law document in which they recommend 90 ppm of lead in paint.

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1.3. The SAICM GEF project “Lead Free Paints”

The NCPC Peru Director, Marice Salvador, presented the project. She highlighted the following:

- The project is executed in 40 countries and aims for a regulatory framework. In the case of Ecuador, Peru and Colombia; the project goal is the law proposals and the demonstration pilots with companies.
- NCPC Peru is a member of the alliance.
- The NCPC Peru administrates the project for the three countries; each NCPC implements the project.
- The project has three components and aims for the law proposal, demonstration pilots and awareness campaigns.

1.4. Regional context: Progress for the countries of Colombia, Ecuador and Peru

The NCPCs presented the regional context as followed:

A. NCPC Ecuador

Miriam Orbea, Director of the NCPC Ecuador, presented the status of market and regulatory framework. She highlighted the following:

- The paint market in Ecuador has 35 companies among SMEs and big companies. Most of them, does not cover the complete production process but the mixture process.
- Ecuador imports from Peru 26% and exports 42% to Peru.
- There are 16 technical standards, 6 of them restricts the use of lead in paints. The formers are been reviewed.
- The regulatory framework develop by Ecuador or Peru would not have the scope to regulate among them. For this reason, it is key that both countries have similar or same regulatory requirements regarding lead paints.

B. NCPC Colombia

Natalia Echavarria, Enviromental Specialist of NCPC Colombia, presented the status of market and regulatory framework. She highlighted the following:

- The paint market in Colombia has 235 companies among SMEs and big companies.
- Approximately 60% of companies have lead concentrations over 10,000 ppm in paints.
- 53% of paints in Colombia have lead.
- The last baseline, elaborated in 2017, mentioned vinyl paints have higher lead

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concentration.

- The country does not have any regulatory framework however the national focal points for this project mentioned their interest in committing to 90 ppm.
- Five technical norms for paints and lead concentration are available. In them, 90 ppm is mentioned

C. NCPC Peru

Margaret Chavez, Project Coordinator for NCPC Peru, presented the status of market and regulatory framework. She highlighted the following:

- 581,800 kids younger than 5 years old are affected by lead.
- The paint market in Peru has 145 companies among SMEs and big companies. 45% are SMEs companies.
- The project aims to collect relevant data to support the regulatory proposal. At the moment, the reports consider the volume of lead additives and lead paint imported and exported.
- Companies committed with non-lead paints have some challenges: providers accessibility and higher prices of alternatives raw materials, low R&D infrastructure, and low awareness of final consumers.
- The country does not have a regulatory framework. Some progress was done through the Ministry of Health with the law for no lead in toys.
- A law related lead in paint was proposed in 2017 however it was not payed attention.
- Through the Technical Standard Committee for the Paint Industry, technical norms have been proposed and approved; for paint, 4 technical norms were elaborated considering lead analysis.
- The implementation of the project has some progress: companies committed, and an inter-agency committee established.

1.5. Presentation of the guide “Reformulation of Lead in Paints”

Vojislavka Sartric, paint expert from NCPC Serbia was presented by Margaret Chavez, coordinator of the project. Both presented the guideline in English and Spanish.

The expert mentioned the content of the guideline and highlighted the following:

- Paints have diverse functionalities, among them: aesthetic and protection.
- The technical guidelines are a general document that aims to guide the reformulation process for paint SMEs industries. However, results may be accomplished with participant industries, since they will be assess considering their own needs.
- Pigments, fillers and driers could have lead. The last can have lead considering its provenance from natural minerals.

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- Raw materials as zinc phosphate or zinc chromate are been monitored by regulations in Europe, since zinc is hazardous for the environment and phosphate causes eutrophication.
- Driers can be substituted by octoates, however the last could be regulated in the future. Other alternatives, as zirconium and strontium, are sold by limited providers.
- To achieve specific colors with free lead alternatives, it is necessary to use a mixture of alternative pigments.
- The technical guideline offers a comparison among pigments and other lead and non-lead additives, considering their functionality, effect on production process, environmental risk and prices.
- Reformulation of paint is feasible. But quality analysis is required in products to prove their effectiveness.
- Coatings reformulation are challenging; particularly, the substitution of red minion and a mixture of pigment is needed.

After the presentation of the guideline, a round of question started.

- Company: Based on the lead paint research done for the project. Are there any Peruvian paint manufacturing companies that complies with the amount of lead required by WHO (90ppm)?
- Margaret Chavez (NCPC Peru): The last baseline study in paintings was carried out in 2009, so there is not actual information about the status of lead paint in companies at the moment. However, through interviews we have identified companies that complies with this and further environmental benefits.
- The objective of the project is to collect the data related lead concentration in paints to update the 20009 report,
- Company: Are there any certification that gives companies recognition for this improvement?
- Margaret Chavez (NCPC Peru): Nowadays, there is no certification for the paints without lead. We had identified a labelling proposal through IPEN however further certification or labelling processes will be discussed in the proposal regulatory action.
- Company: Which solvent and pigments have the higher content of lead?
- Vojislavka Sartric (NCPC Serbia): Solvents do not contain lead. The pigments with lead content of lead are the yellow, red, orange; particularly, alkyl resins paints content higher concentration of lead.
- Public entity: Have you considered, in the baseline, the percentages of national and imported products?

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- Margaret Chavez (NCPC Peru): The market baseline considers the volume (tons) and amount (USD) of exports and imports of lead additives and lead paints; furthermore, the document contains information about the principal importers of these additives. The baseline was done considering the national export and import database.
- Company: What kind of coordination have the project made with the National Quality Institute (INACAL) and National Institute for the Defense of Free Competition and the Protection of Intellectual Property (INDECOPI)?
- Margaret Chavez (NCPC Peru): We will invite Indecopi to participate in the awareness-raising campaigns. We are not working directly with Inacal however the National Society of Industry, a member of the inter-agency committee, provides us with information. The National Society of Industry is the secretariat of the Standardization Technical Committees for the Painting Industry.
- University: Does the reformulation process, proposed by the paint expert, is to first achieve the require color?
- Vojislavka Sartric (NCPC Serbia): The approach of the guide is to first evaluate the alternatives of pigments, based on color requirements, to establish a concise proposal. In addition to establish some type of fast analysis to know the potential of reformulation of this pigment and to evaluate if the suppliers really exist. Then when you have three proposals for reformulation you can check the technical information with the suppliers. Finally, we move to a more complex analysis depending on the industrial or architectural market of the paints.
- Company: What are the benefits for participant companies from the Ministry of the Environment and Ministry of Health?
- Margaret Chavez (NCPC Peru): We will support you in this transitional phase of law implementation to prepare you for future regulation through international technical support.
- Micaela Gonzalez (Ministry of Environment): The Peruvian state may require in its suppliers' companies not to use lead in paint. Participant companies will be informed of the future regulation and its application.

1.6. Panel: Promoting free lead paint in Peru

The panel oversaw Carmen Gastañaga from the National Institute of Health; the organization is member of the Inter-agency committee.

The following questions were asked to the panelists.

A. Micaela Gonzales, Ministry of Environment.

Q: ¿What actions make the is e Ministry of the Environment to stimulate supply and demand for sustainable products?

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A: The Ministry of Environment has been conducting campaigns through Peru Limpio and has made clean green purchases. In addition, it has stimulated ecolabelling with the ONU and Grupo Gea

B. Elmer Quichiz, Ministry of Health

Q: In base the experience of the regulation in toys with lead ¿What are the main challenges for regulating chemicals in mass consumer products?

A: For the standardization of lead content in toys, the Ministry of Health has a permanent contact with some involved actors as parents and children.

C. Rosa María del Castillo, National Society of Industry

Q: ¿Do you consider that in the chemical industry there are barriers to developing and placing on the market products that use safe chemicals?

A: She does not consider that there are barriers in the management of safe chemicals. The companies are willing to develop and reformulate products in manufacturing and industrial processes.

D. Santiago Flores, University Pontificia Católica del Peru

Q: There is experience in the articulation of these funds for applied research projects within the Institute of Corrosion and Protection of the PUCP. How this project was articulated and what are the experiences it leaves us to achieve sustainable products in this sector?

A: PUCP had information from previous work when they reactivated investment funds. Anticorrosive vs chromate zinc pigments were evaluated in an Argentinian bay, being a natural corrosion laboratory.

Santiago highlighted that interesting data were obtained to evaluate regarding the octanoate of iron and zinc. The experience of reformulation is good, but it takes patience for the tests to be done.

1.7. Commitment “No Lead Paints”

The Project Coordinator invited the inter-agency committee members and participant companies to the stand. She thanks each member for their participations and inputs through the inter-agency sessions and mentioned their participation in future activities.

The representatives were asked for an institutional photo as part of the commitment to reduce lead paints.

1.8. Conclusions and closure

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The conclusions were in charged of Elmer Quichiz, from the Ministry of Health. He thanked the public and private entities for their participation. Then, he highlighted the need of articulation among both sectors and mentioned that it is key the awareness activities among education centers.

Finally, he mentioned that the negative impact of lead in paint are clear and it is the duty of the inter-agency committee to develop a technical support for the proposal of the regulatory framework.

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ANNEX 1. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 1.D. PPT PRESENTATIONS

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ADVISORY PARTNERS:



ANNEX 1. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 1.E. PHOTOGRAPHIC RECORD

Photo 1. Members of the Inter-agency committee



Photo 2. Participants for morning session of 18th June



Photo 3. UN Environment, National Focal Points, and NCPs of Ecuador, Colombia, Peru and Serbia.



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ANNEX 2. AFTERNOONG SESSION

REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 2.A. AGENDA OF THE EVENT

DAY 1

WORKSHOP WITH SMEs COMPANIES

Date: June 18th

Time: 15:00 – 17:00

Venue: Auditorio 5 de la Sociedad Nacional de Industrias (SNI).
Calle Los Laureles 365 – San Isidro

OBJECTIVE:

This workshop aims to set a specific space for participating and interested companies to discuss in depth the draft technical guideline on paint reformulation and learn about new trends in the reformulation of paint.

TARGET AUDIENCE:

Paints SMEs representatives.

AGENDA:

TIME	ACTIVITY	RESPONSABLE
15:00	Registration	
15:15	Opening	<ul style="list-style-type: none"> ▪ Jordi Pon, UN Environment ▪ Elmer Quichiz, Health Ministry ▪ Marcos Alegre, Grupo GEA
15:20	Technical Support Workshop with Participating Companies <ul style="list-style-type: none"> - Trends in the paints sector for the formulation of new products - Tools for paint reformulation - Raw materials with lead for the manufacture of paints - Quality analysis for the paint industry - Paint Reformulation Case Study 	<ul style="list-style-type: none"> ▪ Vojislavka Sartric, NCPC Serbia
17:00	Consultations and comments of the assistants	
17:30	Closure	<ul style="list-style-type: none"> ▪ Margaret Chavez, Grupo GEA

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ANNEX 2. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 2.B. LIST OF PARTICIPANTS



Evento Regional "Pinturas Libres de Plomo"



Lista de Participantes

Reunión: "Taller de Trabajo con Empresas PYMES"

Fecha: 18 de junio de 2019

Lugar: Calle Los Laureles 365 – San Isidro

N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
1	Acuña Sillo	Hayde Isabel	E. Salas Ingenieros SA	983434646	compras@esalasingenieros.com.pe	
2	Caballero Romero	Piero Yiancarlos	Corporación GTM del Perú SA	989198846	pcaballero@gtmchemicals.com	
3	Cabrera Mauriz	Clotilde	Glucom SAC	981162932	ccabreramauriz@gmail.com	
4	Canchanya Carlos	Marco Antonio	A3M Company SA			
5	Chavez	Margaret	CER - Grupo GEA		mchavez@grupogea.org.pe	
6	Echavarría	Natalia	NCPC Colombia		natalia.echavarría@cnplm.org	
7	Fernández Anaya	Luis	Centro Toxicológico SAC - CETOX		lafa@cetox.com.pe	
8	Figuroa Parillo	Gavi	Pinter Peru	981191564	gavi.figuroa@pinterperu.com	
9	Guardamino Gallardo	Nelly	Soluciones en Productos Químicos Perú			
10	Lopez Ysla	Rafael	Clariant Plastics & Coating(Perú) SAC	99621449	rafaelhernando.lopez@clarant.com	

PUNTOS FOCALES NACIONALES:



SOCIOS IMPLEMENTADORES:



REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 2. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 2.B. LIST OF PARTICIPANTS



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N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
11	Loyola	Cecilia	Ecocolor			
12	Malaga Davila	Ivan Augusto	Servicios Generales Técnicas		imalagad@gmail.com	
13	Morales	Luis	Solquim Peru SAC	941091178	ventas1@solquimperu.com	
14	Olivera Ccolso	Jessica	Qroma	994063376	jolivera@qroma.com.pe	
15	Orbea	Miriam	NCPC Ecuador	5744601777	miriam.orbea@ceer.ec	
16	Ortega	Nancy	Soprin SAC	981387481	controldecalidad@soprin.com.pe	
17	Pancorvo	Eduardo	Revestimientos y Adhesivos Peruanos SAC	989019058	eduardop@colorytextura.com	
18	Patow	Erika	Tenminste SAC	998189236	erikapatow@tenminste.com	
19	Reyes Chunga	Victor	Colorati Perú SAC	960473124	publirey1966@hotmail.com	
20	Sanchez	Walter	Envasadora San Gabriel SRL	998373020	wsanchez@esg.com.pe	

PUNTOS FOCALES NACIONALES:



SOCIOS IMPLEMENTADORES:



REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 2. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 2.B. LIST OF PARTICIPANTS



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Fecha: 18 de junio de 2019
Lugar: Calle Los Laureles 365 – San Isidro

N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
21	Saravia Salcedo	Frank Ernesto	Corporación GTM del Perú SA	947355463	fsaravia@gtmchemicals.com	
22	Tiburcio Natividad	Pablo	Chemisa Pinturas		ptiburcio@chemisa.com.pe	
23	Susanibar Zevallos	Maria Roxana	Chemisa Pinturas	953907238	rsusanibar@chemisa.com.pe	
24	Tirado	Erika	Universal Colors		e.tirado@universalcolors.com.pe	
25	Villar	Gustavo	Ecocolor			
26	Zegarra Basurco	Mirtha Rocio	E. Salas Ingenieros SA	983434561	produccion@esalasingenieros.com.pe	
27	Zegarra Tello	Irma	SIMA	4131100	izegarra@sima.com.pe	
28	JULCA QUINONES	BORIS	UNIVERSAL COLORS	934793017	b.julca@universalcoldors.com.pe	
29	Cabello Mancos	Enke	Grona SA	43263345	ecabello@gronacom.pe	
30	Salazar Fayre	Angelo	GRONA SA	993759912	asalazar@gronacom.pe	

PUNTOS FOCALES NACIONALES:



SOCIOS IMPLEMENTADORES:



REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 2. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 2.B. LIST OF PARTICIPANTS



Evento Regional "Pinturas Libres de Plomo"



Lista de Participantes

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Fecha: 18 de junio de 2019

Lugar: Calle Los Laureles 365 – San Isidro

N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
31	Maya	Yanae Richani	Pintores Ecocolor SAC	956439589	ymaya@ecocolor.pe	
	Quichiz	Ramiro Elean	Minsa/Pro	99626468	equichiz@minsa.gob.pe	
	Huanilo	Miguel	CEER	99977562	miguel.huanilo@ceer.org.pe	
	Jordi	PON	ONU Ambiente			
	SATICA	NEJLA				
	Del	Cos H/Rosas, Rosalva	SUI	4412772	ymdelc@si.org.pe	
	Ramos	Rahuylla Luis	Antonio Ruiz de M.	935562701	luis.ramos@uavm.pe	
	Luis Enrique	Ampero Luis Enrique	Antonio Ruiz de M.	96886053	luisenrique.ampero15@gmail.com	
	Tolentino	Abanto Cecilia	JYS Coatings Peru	5722466	c.tolentino@universalcolors.com	
	Gonzalez	ROCA, Micaela	DGCA-MINAM	945735437	mgonzalez@minam.gob.pe	

PUNTOS FOCALES NACIONALES:



SOCIOS IMPLEMENTADORES:



REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 2. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 2.C. MINUTE MEETINGS



Minutes of Meetings Inter-agency Committee “No Lead Paints” June 18th of 2019

On the Thursday 18th of June, at 15:00 p.m., the Workshop with SMEs companies was carried out at the facilities of the National Society of Industries (SNI). This session was held within the activities of the Lead Free Paint Regional Workshop.

The workshop was coordinated by Grupo GEA and the NCPC Peru - hereinafter CER / Grupo GEA.

2. Highlights of the presentations

2.1. Opening

The opening of the event was in charge of Margaret Chávez, coordinator of the project on behalf of Grupo GEA, who commented on the activities carried out in the morning. Then she invited the following to give welcoming words:

- Jordi Pon, Regional Coordinator Chemicals and Waste for Latin America and the Caribbean
- Micaela Gonzalez, Analyst in Environmental Quality Management of the Control of Pollution and Chemical Substances Directorate General of Environmental Quality for the Environment Ministry (MINAM)
- Elmer Quichiz, Executive Director of the Directorate of Ecology and Environmental Protection of the General Directorate of Environmental Health (MINSA/DIGESA)
- Marcos Alegre, President of Grupo GEA, to give a few words of welcome to start the third session of the CAT.

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2.2. Workshop with paint companies

After the welcoming words, Margaret Chavez introduced Vojislavka Sartric as the technical expert for the project. She mentioned the guideline and its general application and highlighted that assessments, through the project, will be tailored to company needs.

The topics addressed by Vojislavca Sartric were the following:

- The content of the technical guideline was presented.
- The most outstanding chapters of the Technical Guide were explained, where Vodja highlighted that this guide applies the reformulation in a general way for pigments since explaining and analyzing each pigment is a complex and time-consuming process.
- The main functions of architectural and industrial paints were explained. Vodja highlighted the anticorrosive function and the signaling function. In this last function I explain that in the yellow and red colors of the traffic signals there is the content of lead
- The international expert once again stressed that there is a content of lead in the extenders and specific colors of red, yellow and orange.
- It was explained in a general way the steps that the companies have to follow for the reformulation of lead-free paints, where I emphasize that the technical, economic and supply chain is important for the success of this process.
- Vodja explained that when red lead reformulation was sought, there are options that contain zinc, such as chromate and zinc phosphate. However, zinc effects on environment should be taken into account.
- Vodja highlighted the safety and environmental health assessment in relation to red lead, comparing it with possible alternatives such as zinc orthophosphate and calcium orthophosphate.
- The alternatives to Lead-Free Dryers were then evaluated
- Finally, the international expert explained some methods that the guide to ensure the quality of the new reformulation

At the end of the presentation, the expert invited the companies to meet one-on-one and give them the SMEs Questionnaire. Vodja and five companies got together and specific questions were solved.

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PAINT SMEs QUESTIONNAIRES #1

SOPRIN SAC
Nancy Ortiz C.

PREGUNTAS		RESPUESTAS
Tamaño de la empresa - Número de empleados		> 150 empleados; 2500 m ²
Producción: tipo de pinturas que contienen compuestos de plomo (es decir, alquídicos, epóxicos, etc.)		Producción bases, acuosas
Capacidades totales de producción (t/año)		780,000 GAL y 48,000 TN Producción real
Producción de pinturas con contenido de compuestos de plomo (t/año).		GAL → 50% + TN → 20%
¿Qué compuestos de plomo se utilizan en su empresa?	Compuesto de plomo	Cantidad por año
	Octoato de plomo o naftenato	*
	Monóxido de plomo	
	Tetra óxido de plomo (minio)	
	Pigmento amarillo - cromato de plomo	
	Pigmento anaranjado - sulfato de molibdato de cromato de plomo	
	Otro (por favor, indíquelo)	
Por favor especifica		
Equipo de producción		Dispensadores.
Equipos de laboratorio para la producción.		Espectrofotómetro, dispersadora, estufas, balanzas, bullantes, viscosímetros, pedometros. PBR, picnometros
Equipo de laboratorio para su aplicación.		medidores de humedad sopletes.
Equipo de laboratorio para pruebas de pintura.		Espectrofotómetro, estufas, balanzas, bullantes, viscosímetros pedometros

¿mezcla pigmentos orgánicos, con inorgánicos, como afecta la resistencia a los rayos UV?

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PAINT SMEs QUESTIONNAIRES #2

QROMA
Jessica Olivera

PREGUNTAS		RESPUESTAS	
Tamaño de la empresa - Número de empleados		> 1000 people	
Producción: tipo de pinturas que contienen compuestos de plomo (es decir, alquídicos, epóxicos, etc.)		Fluorídicas, Polvo, Sembrización	
Capacidades totales de producción (t/año)		Alta cantidad	
Producción de pinturas con contenido de compuestos de plomo (t/año).			
¿Qué compuestos de plomo se utilizan en su empresa?	Compuesto de plomo	Cantidad por año	
	Octoato de plomo o naftenato		SI
	Monóxido de plomo		NO
	Tetra óxido de plomo (minio)		NO
	Pigmento amarillo - cromato de plomo		SI
	Pigmento anaranjado - sulfato de molibdato de cromato de plomo		NO
	Otro (por favor, indíquelo)		No
Por favor especifica			
Equipo de producción	Dispersador alta Velocidad / Dissolver Molino de Conasta (Zirconium)		
Equipos de laboratorio para la producción.	Dispersador de alta velocidad / Dissolver Shaker Mills (Molino)		
Equipo de laboratorio para su aplicación.	Aplicadores de pintura Brocha, Ralillo Pistola de aplicación		
Equipo de laboratorio para pruebas de pintura.	Viscosidad Stormer Densidad - Colimetro / (Cebimolus) Cámaras de corrosión UV Testing.		

ALKYL BASED ROAD MARKING POWDER | WOULD LIKE TO PARTICIPATE

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PAINT SMEs QUESTIONARIES #3

✓ Chemical Mining S.A Ing. Roxana Susantbar

PREGUNTAS	RESPUESTAS	
Tamaño de la empresa - Número de empleados	~ 100 empleados	
Producción: tipo de pinturas que contienen compuestos de plomo (es decir, alquídicos, epóxicos, etc.)	- alquídicos, epoxicas, nitrocelulosicas	
Capacidades totales de producción (t / año)	1,920 TN/año (Producción real)	
Producción de pinturas con contenido de compuestos de plomo (t / año).	1800 TN/año (con plomo)	
¿Qué compuestos de plomo se utilizan en su empresa?	Compuesto de plomo	Cantidad por año
	Octoato de plomo o naftenato	✓ 630 kg 630 TN
	Monóxido de plomo	-
	Tetra óxido de plomo (minio)	-
	Pigmento amarillo - cromato de plomo	✓ 81 TN
	Pigmento anaranjado - sulfato de molibdato de cromato de plomo	✓ 60 TN
Otro (por favor, indíquelo)	-	
Por favor especifica		
Equipo de producción	dispensores - Molino de perlas	
Equipos de laboratorio para la producción.	- Dispensor (tipo taladro) - regla de friccia	
Equipo de laboratorio para su aplicación.	aplicadores de pinturas de 3-6-9-12 mils - sopletes -	
Equipo de laboratorio para pruebas de pintura.	- medidor de brillo - Colorímetro - viscosímetro stormer KUTH - copa ford - medidor de espesor (metal) en - picnómetro - balanzas estufa	

REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



PAINT SMEs QUESSTIONARIES #4

WALTER SÁNCHEZ: JEFE PRODUCCIÓN
 ENVASADORA SAN GABRIEL S.R.L.

PREGUNTAS	RESPUESTAS														
Tamaño de la empresa - Número de empleados	59														
Producción: tipo de pinturas que contienen compuestos de plomo (es decir, alquídicos, epóxicos, etc.)	ALQUÍDICAS - LÁTEX - EMULSIONES, ESTIRENACIL - ZEPHIR.														
Capacidades totales de producción (t/año)	10,000 LITROS x 12 = 120,000 → 70% TÁCTIL 30% ALQUÍD.														
Producción de pinturas con contenido de compuestos de plomo (t/año).	40,000 LITROS AÑO.														
¿Qué compuestos de plomo se utilizan en su empresa?	<table border="1"> <thead> <tr> <th>Compuesto de plomo</th> <th>Cantidad por año</th> </tr> </thead> <tbody> <tr> <td>Octoato de plomo o naftenato</td> <td></td> </tr> <tr> <td>Monóxido de plomo</td> <td></td> </tr> <tr> <td>Tetra óxido de plomo (minio)</td> <td></td> </tr> <tr> <td>Pigmento amarillo - cromato de plomo - TRAFIC - ALQUÍDICO.</td> <td>X = 100kg/año.</td> </tr> <tr> <td>Pigmento anaranjado - sulfato de molibdato de cromato de plomo - ALQUÍDICO.</td> <td>X</td> </tr> <tr> <td>Otro (por favor, indíquelo)</td> <td></td> </tr> </tbody> </table>	Compuesto de plomo	Cantidad por año	Octoato de plomo o naftenato		Monóxido de plomo		Tetra óxido de plomo (minio)		Pigmento amarillo - cromato de plomo - TRAFIC - ALQUÍDICO.	X = 100kg/año.	Pigmento anaranjado - sulfato de molibdato de cromato de plomo - ALQUÍDICO.	X	Otro (por favor, indíquelo)	
	Compuesto de plomo	Cantidad por año													
	Octoato de plomo o naftenato														
	Monóxido de plomo														
	Tetra óxido de plomo (minio)														
	Pigmento amarillo - cromato de plomo - TRAFIC - ALQUÍDICO.	X = 100kg/año.													
Pigmento anaranjado - sulfato de molibdato de cromato de plomo - ALQUÍDICO.	X														
Otro (por favor, indíquelo)															
Por favor especifica															
Equipo de producción	<ul style="list-style-type: none"> MOLINO HORIZONTAL VERICAL DISPENSABLES VERTIC. 22 y 45 KW. 														
Equipos de laboratorio para la producción.	<ul style="list-style-type: none"> MOLINO VERTICAL PARA 5 GALONES VISCOFIMETRO: BROOKFIELD FORD N°4. KALBI UNITS BALANZA ANALÍTICA. ESTUFA (SOLDES). GRINDING, HESHAN. 														
Equipo de laboratorio para su aplicación.	<ul style="list-style-type: none"> SPRAY GUN → POLIÉTER. → LÁTEX EMULSIONES TO US TIPO. 														
Equipo de laboratorio para pruebas de pintura.															

REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



PAINT SMEs QUESTIONNAIRES #5

PREGUNTAS	RESPUESTAS	
Tamaño de la empresa - Número de empleados	J&S Coating Perú SAC (UNIVERSAL COLORS)	
Producción: tipo de pinturas que contienen compuestos de plomo (es decir, alquídicos, epóxicos, etc.)	Epoxy Poliuretanos Alquídicos Primers	
Capacidades totales de producción (t / año)	100 TN. + 160 TN / year.	
Producción de pinturas con contenido de compuestos de plomo (t / año).	30 TN.	
¿Qué compuestos de plomo se utilizan en su empresa?	Compuesto de plomo	Cantidad por año
	Octoato de plomo o naftenato	NO
	Monóxido de plomo	NO
	Tetra óxido de plomo (minio)	NO
	Pigmento amarillo - cromato de plomo	SI
	Pigmento anaranjado - sulfato de molibdato de cromato de plomo	SI
Otro (por favor, indíquelo)		
Por favor especifica		
Equipo de producción	Molinos. Dispersadores.	
Equipos de laboratorio para la producción.	Viscosímetro pH metro Balanza analítica. Dispersador Gravímetro Aplicador	
Equipo de laboratorio para su aplicación.	Aplicador Pistola aerográfica	
Equipo de laboratorio para pruebas de pintura.	Medidores Adherencia Espesores.	

REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 2. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 2.D. PPT PRESENTATIONS

REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 2. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 2.E. PHOTOGRAPHIC RECORD

Photo 1. UN Environment Regional Officer welcoming words to industry



Photo 2. Health Ministry welcoming words to industry



Photo 3. Industry participants during afternoon session



REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 3. MORNING SESSION

REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 3.A. AGENDA OF THE EVENT

DAY 2

EXPERIENCES, BARRIERS AND APPROACHES OF THE ALLIES TO DETERMINE REGULATORY ACTIONS

Date: June 19th

Time: 08:30 – 13:00

Venue: Auditorio 5 de la Sociedad Nacional de Industrias (SNI).
Calle Los Laureles 365 – San Isidro

OBJECTIVE:

Discuss possible ways to implement a regulation on lead paints based on the exchange of experiences and the barriers and approaches identified by each project partner.

TARGET AUDIENCE:

Inter-agency committee members.

AGENDA:

TIME	ACTIVITY	RESPONSABLE
08:20	Registration	
08:30	Opening and review of agreements from the 2 nd Session of the Interagency Committee	<ul style="list-style-type: none"> ▪ Jordi Pon, UN Environment ▪ Micaela Gonzalez, Environment Ministry ▪ Elmer Quichiz, Health Ministry ▪ Marice Salvador, Grupo GEA
08:50	Road map for the regulatory actions for the gradual elimination of lead paints in the region	<ul style="list-style-type: none"> ▪ Jordi Pon, UN Environment
09:20	Presentation of the Technical Guideline for Reformulation of Paints and Regulatory Toolkit	<ul style="list-style-type: none"> ▪ Vojislavka Sartric, NCPC Serbia
09:40	Advances from Colombia and Ecuador regarding lead in paint regulatory actions	<ul style="list-style-type: none"> ▪ Miriam Orbea, NCPC Ecuador ▪ Natalia Echevarría, NCPC Colombia
10:10	Coffee Break	
10:30	Regulatory actions towards lead in paint: Perspectives of the industrial sector	<ul style="list-style-type: none"> ▪ Boris Julca, Project Manager J&S Ferreteria Industrial ▪ Miguel Rivas, General Manager SOPRIN ▪ Gustavo Villar, General Manager Ecocolor ▪ Jessica Olivera, QROMA ▪ Alejandro González, AIRE
12:00	Plenary	<ul style="list-style-type: none"> ▪ Margaret Chavez, NCPC Peru

REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 3. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 3.B. LIST OF PARTICIPANTS



Evento Regional "Pinturas Libres de Plomo"



Lista de Participantes

Reunión: 3ra Sesión de la Comité CAT
 Fecha: 19 de junio de 2019
 Lugar: Calle Los Laureles 365 – San Isidro

N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
1	Alegre	Marcos	CER - Grupo GEA		malegre@grupogea.org.pe	✓
2	Alva Estabridis	Camila	Ministerio del Ambiente - DCCSQ	6116000	calva@minam.gob.pe	
3	Arias	Nelly	Grupo GEA			✓
4	Ayllón Carreño	José Luis	CAPECO	2302700	jayllon@capeco.org	<i>M. L. Carreño</i>
5	Barreto	Maria Elena	Asociación de Exportadores			<i>Barreto</i>
6	Barriga Veliz	Hernán	Univerisdad Antonio Ruiz de Montoya	7195990	hernan.barriga@uarm.pe	
7	Cabrera Guevara	Henry	SUNAT		hcabrereg@sunat.gob.pe	
8	Canchucuja Ruiz	Julia Inés	Ministerio de la Producción			<i>J. Ruiz</i>
9	Chavez	Margaret	CER - Grupo GEA		mchavez@grupogea.org.pe	✓
10	Chunga Pingo	Oscar	Colegio de Ingenieros - Capitulo de Quimicia		ochunga@cip.org.pe	
11	Cruz Meza	Cinthia Karina	EsSalud		cinthia.cruz@esclud.pe	<i>C. Cruz</i>

PUNTOS FOCALES NACIONALES:



SOCIOS IMPLEMENTADORES:



REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 3. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 3.B. LIST OF PARTICIPANTS



Evento Regional "Pinturas Libres de Plomo"



Lista de Participantes

Reunión: 3^{ra} Sesión del CAT
 Fecha: 19 de junio de 2019
 Lugar: Calle Los Laureles 365 – San Isidro

N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
12	Del Castillo	Rosa María	Sociedad Nacional de Industrias - CIQ	9912222	rmdelc@sni.org.pe	
13	Dexter	Alfredo	Grupo GEA			
14	Echavarría	Natalia	NCPC Colombia		natalia.echavarría@cnpl.org	
15	Gastañaga	Carmen	Instituto Nacional de Salud - CENSOPAS		mgastanaga@ins.gob.pe	
16	Jurado	Laura	Municipalidad de Lima			
17	Loyola	Cecilia	Ecocolor			
18	Mayer Martinelli	Francesca	Peru GBC		fmayer@perugbc.prg.pe	
19	Montoya	Veronica	Pontificia Universidad Católica del Perú			
20	Morales	Vilma	Ministerio del Ambiente		vmorales@minam.gob.pe	
21	Olivos	Brenda	Grupo GEA			
22	Orbea	Miriam	NCPC Ecuador	5744601777	miriam.orbea@ceer.ec	

PUNTOS FOCALES NACIONALES:



SOCIOS IMPLEMENTADORES:



REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 3. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 3.B. LIST OF PARTICIPANTS



Evento Regional "Pinturas Libres de Plomo"



Lista de Participantes

Reunión: 3era Sesión del CAT
Fecha: 19 de junio de 2019
Lugar: Calle Los Laureles 365 – San Isidro

N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
23	Palacios	Ingrid	Grupo GEA			✓
24	Palomino	Magdiel	Universidad Antonio Ruiz de Montoya			
25	Pijo Perez	Armando Jonatan	Ministerio de la Producción	953999762	apijo@produco.gob.pe	AP
26	Pon	Jordi	ONU Medio Ambiente			✓
27	Quichiz Romero	Elmer	Ministerio de Salud - DIGESA		equichiz@minsa.gob.pe	EQ
28	Reyes Morales	Norman	Univerisidad Antonio Ruiz de Montoya	7195990	norman.reyes@uarm.pe	NR
29	Rivas Alvares	Rosario Eulalia	DIGESA		rrivas@minsa.gob.pe	RR
30	Rodriguez Castro	Mario	Peru GBC		mrodriguez@perugbc.org.pe	RC
31	Rosas Otalora	Patricia	SUNAT		prosaso@sunta.gob.pe	PR
32	Salvador	Marice	CER - Grupo GEA		msalvador@grupogea.org.pe	MS
33	Satric	Vojislavka	NCPC Serbia		pbinpaints@gmail.com	VS

PUNTOS FOCALES NACIONALES:



SOCIOS IMPLEMENTADORES:



REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 3. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 3.B. LIST OF PARTICIPANTS



Evento Regional "Pinturas Libres de Plomo"



Lista de Participantes

Reunión: 3era Sesión de los CAE
 Fecha: 19 de junio de 2019
 Lugar: Calle Los Laureles 365 – San Isidro

N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
34	Tirado	Erika	Universal Colors		e.tirado@universalcolors.com.pe	
35	Ttito Moya	Ewonny	Municipalidad de Lima		ewonny.ttito@munilima.gob.pe	
36	Villar	Gustavo	Ecocolor		GILLAR@ECCOLOR.PE	
37	RIVAS	MIGUEL	SOPRIN SAC	760-32277	mrivas@sprin.com.pe	
38	GONZALEZ ROCA	Micaela	MINAM- DG CA	945735437	mgonzalez@minam.gob.pe	
39	Huertas Huante	Miguel	CEL	99971512	mjml.huante@puket.com	
40	Rivera Huaya	Jhucevia	DGAA- VMCS	993714126	viveraj@vivienda.gob.pe	
41	Ullasas Chobioque	WILSON A	DIGESD	990780137	ullagas@minsa.gob.pe	
42	Huerta Rojas,	Yeremia	DIGESA	942415153	yhuerta@minsa.gob.pe	
43
44	Joliviera	cuiso Jessica	...	994065376	joliviera@grano.com.pe	

PUNTOS FOCALES NACIONALES:



SOCIOS IMPLEMENTADORES:



REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 3. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 3.B. LIST OF PARTICIPANTS



Evento Regional "Pinturas Libres de Plomo"



Lista de Participantes

Reunión: 3era Sesión del CAT

Fecha: 19 de junio de 2019

Lugar: Calle Los Laureles 365 – San Isidro

N°	APELLIDOS	NOMBRES	ENTIDAD	TELEFONO	CORREO	FIRMA
45	Gonzalez	Alejandra	AIRE	97531158	Alejandra@AsociacionAire.org	<i>[Signature]</i>
46	Grandez	Carlos	ChemQuímica Peru	934551818	chemquimica@gmail.com	<i>[Signature]</i>
47						
48						
49						
50						
51						
52						
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54						
55						

PUNTOS FOCALES NACIONALES:



SOCIOS IMPLEMENTADORES:



REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



ANNEX 3. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 3.C. MINUTE MEETINGS



Minutes of Meetings Inter-agency Committee “No Lead Paints” June 19th of 2019

On the Wednesday 19th of June, at 9:00 a.m., the Third Session of the Inter-agency Committee “No Lead Paints” was carried out at the facilities of the National Society of Industries (SNI). This session was held within the activities of the Lead Free Paint Regional Workshop. The workshop was coordinated by Grupo GEA and the NCPG Peru - hereinafter CER / Grupo GEA.

3. Summary of the 3rd session

2.3. Opening

The opening of the event was in charge of Margaret Chávez, coordinator of the project on behalf of Grupo GEA, who commented on the activities carried out on the first day of the event; then she invited the following to give welcoming words:

- Jordi Pon, Regional Coordinator Chemicals and Waste for Latin America and the Caribbean
- Micaela Gonzalez, Analyst in Environmental Quality Management of the Control of Pollution and Chemical Substances Directorate General of Environmental Quality for the Environment Ministry (MINAM)
- Elmer Quichiz, Executive Director of the Directorate of Ecology and Environmental Protection of the General Directorate of Environmental Health (MINSA/DIGESA)
- Marcos Alegre, President of Grupo GEA, to give a few words of welcome to start the third session of the CAT.

REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



2.4. Road map for the regulatory actions for the gradual elimination of lead paints in the region

Subsequent to the words of welcoming, from the institutions above-mentioned, Jordi Pon presented a summary of the previous day and some conclusions regarding the Panama Workshop, which took place in that country on June 12 and 13. Jordi Pon explained why the need for the country to have lead paint laws is. In addition, he suggested the following steps to establish a lead paint regulatory actions for the given project:

1. Commitment to interested parties to obtain support for a lead paint law
2. Development of a Lead Paint Law
3. Awareness to promote the development of a law of lead paint
4. Deadline

Then there was an explanation of the baseline that each country should have: A) General information, B) Political framework of the country, C) Painting industry in the country and D) Participation of civil society.

Finally, the results of the Panama Workshop were the following:

- Agreement on the importance of the elimination of lead-based paint.
- Provided an overview of the Lead Paint Alliance, the Lead Paint Project of SAICM, and available advice, information and tools.
- The discussion groups allowed the exchange of ideas on key actions to develop laws on lead-based paint.
- Discussion groups identified the efforts, opportunities and barriers of the past and the next steps.
- Agreement on key measures to eliminate lead-based paint.
- Obtain support for laws / standards from key stakeholders in government and industry, NGOs.
- Law proposal: Recommended limit of 90 ppm of total lead.

Marcos Alegre, President of CER / Grupo GEA, intervened to indicate that there is a gap in the baseline of the painting sector, which should be complemented by the competent institutions that are participating in the CAT.

2.5. Presentation of the Technical Guideline for Reformulation of Paints and Regulatory Toolkit

Next, Vojislavka Satric, international consultant, presented the content of the "Technical Guide for the Reformulation of Lead Paints" as followed:

1. Contents of the Technical Guide
2. Color and Function of the Paints
3. Raw Materials of the Paintings

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4. Lead Component in the Paintings
5. Substitution Process
6. Evaluation of Pigment and Additive Alternatives
7. Reformulation process
8. Conclusion

After the presentation of the contents of the guide, questions were answered:

- Q: How many months does the reformulation take?
A: The reformulation will depend on the efforts of each company, an approximate time and realistic 6 months.
- Q: Is it difficult to access raw materials?
A: No, since there are many suppliers of these raw materials regionally and internationally.
- Q: Have alternative providers been identified?
A: Yes, at the end of the guide a list of these identified suppliers is provided, there have been conversations so that they can participate in the Clariant and Basf project, and be able to obtain good support from these companies.
- Q: Is there a price estimate for a lead-free paint for industrial and domestic applications?
A: The price will depend on the quality requirements. Speaking only of the pigments can find alternatives that have a price even lower than the normal price, but there may also be higher prices than the alternative. For example, for the pigments of organic coatings (of very good quality, which are resistant to water and heat) are very expensive, unlike inorganic ones.
- Q: Is there any type of certification?
A: Given that the painting cannot be certified, it must be sent to the laboratory for them to perform the respective analyzes
Given the importance of this question, there was a small debate with the intervention of the following:
 - Micaela Gonzalez, from MINAM, who indicated that the ministry is working towards sustainable public procurement so that lead-free paints can have an eco-label or for companies that have a lead content lower than what is expected in the regulation (less than 90 ppm). The Ministry of the Environment wants to promote the second part of the Sustainable Public Procurement & Ecolabelling project (SPPEL, in its acronym in English), which seeks to include the lead component in paints, since it has been observed that the government is one of the main buyers of paint. The Ministry of Environment will work together with PeruCompras and OSCE to incorporate the criterion of lead-free and eco-labeled paints
 - Vodja mentioned that a technical certification cannot be provided by UN Environment, it would have to be given by a laboratory that certifies that the paint

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ADVISORY PARTNERS:



has a low lead content.

- Jordi Pon add that UN Environment can give a recognition (e.g letters) to companies participating in the project.
- Margaret Chavez participated in the dialogue, mentioning that there is a logo granted by IPEN, for lead-free paints called "Lead Safe Paint" and more information regarding this is pending from the Alliance organizations.
- Natalia Echavarría, from NCPC Colombia, mentioned that to be able to place the logo on the product label will depend on the regulations proposed by the country, the example of Mexico was mentioned, a country in which it is necessary to place the "Lead Free" logo on the paintings, but at the time IPEN did the tests on these paintings, many had lead content. The general alliance of the Model Law does not include the subject of labeling, it is not essential, unlike the lead limit.
- Many opinions were given by Peru GBC, Ministry of Housing and private companies such as Universal Colors, who is in favor of eco-labeling.

2.6. Advances from Colombia and Ecuador regarding lead in paint regulatory actions

Though a presentation was coordinated among NCPCs, the NCPC Peru decided to reduce presentation time and to introduce a more dynamic activity. NCPCs were asked about the research and baseline status for each country and the activities their ministries are developing to achieve no lead paints.

A. NCPC Ecuador

Margaret Chavez, from NCPC Peru, mentioned that in NCPC Ecuador there is a baseline study however this comes from 2009. Then, she asked the following:

What is the status of the baseline in the paint sector in Ecuador? And is there any plan from the Ministry of Environment or Ministry of Health for the work of the normative proposal?

The NCPC has started by identifying the production of paints, the use of pigments and raw materials, it is in this identification that they found that pigments containing lead and chromium do not only use them for paints, but also plastics producers. This is one of the reasons why it is important to make a baseline to identify the end users of the pigments.

There is an interest on the part of the industry that an analysis of the paintings can be done in order to know at what level they are. On the Ecuadorian side, information has already been gathered from exporters and importers regarding pigments.

On the side of the Ministry of the Environment, they have established and continued working in conjunction with the Committee of Paintings for more than 4 years; their work gathers the update of technical norms regarding paint and coatings.

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ADVISORY PARTNERS:



The committee has reached a consensus to achieve a 100 ppm of lead in domestic paint, the technical norm was approved in 2015. It is still missing the limit concentration for industrial use; the technical norm under discussion established 1600 ppm. Miriam, from NCPC Ecuador, mentioned that these standards/norms are voluntary. The Ministry of Production of Ecuador can declare mandatory some technical standards subject to control.

Finally, she mentioned that the biggest problem that Ecuador faces is a dollarized country; this prevents the industrial sector to made some changes since them have to compete with lower prices from Peru and Colombian paints.

B. NCPC Ecuador

Margaret Chavez, from NCPC Peru, mentioned that in contrast with Ecuador and Peru itself; Colombia has updated paint baseline, the studies made for the paint sector and lead concentrations came from 2017. Then, she made the following question:

What else has the report submitted by the NCPC of Colombia that was not presented on the 1st day of the Lead Free Lead Regional Event? What is the interest of the Ministry of the Environment or Ministry of Health to develop the regulations?

The Ministry of Environment has been developing a series of studies and projects to do this baseline survey. The two most outstanding studies are that of IPEN and Swiss Cooperation, the methodology consisted in choosing the painting of the stores. The other study was conducted by the Ministry of the Environment, in which a longer inventory was made. The first chapter dealt with imports, with the corresponding agencies the study was made of how many companies are importing paints and also, a survey was done with the importers of which are the types of paints that are being imported. There we found the characterization of how many large, medium and small companies were in the sector, which are the paintings that are being imported, which are the most significant colors that are being imported and which are being imported with or without lead. In addition, samples were taken from 232 companies to carry out a characterization of which paints are using lead, which colors were identified as yellow, red, true, orange; and types of paint that contain lead vinyl, alkyd and lacquer.

2.7. Regulatory actions towards lead in paint: Perspectives of the industrial sector

A. Universal Color

The representative of Universal Color, Boris Julca (Manager of the company), began his participation by presenting the company. Then, the projects that were worked hand in hand with Grupo GEA were mentioned: i) Replacement of zinc chromate by zinc phosphate, ii) Elimination of TBTO in the formulation of paints for the marine sector, iii) The latex was changed by an ecological latex (elimination of aliphenol from tosylate), and iv) Change in water-based and solvent-based traffic paint.

REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



Some difficulties encountered by the company for the replacement of lead it is that the amount of lead in the pigment is not indicated in the technical specifications. In the case of TBTO, the company mentioned that the suggested alternative was no longer imported by the local supplier.

The ignorance of the user about the toxic elements is one of the factors that affect the sale of the products and another is the customs of how the colors have to be sold.

Universal Color has the mission of being a sustainable company, for which it wants the support of the competent entities for the lead regulations.

Micaela Gonzalez from MINAM carried out the consultation on traffic paint:

A: In which laboratory was it certified?

B: The laboratory of the Ministry of Transport and Communications.

The Housing, Construction and Sanitation Ministry carried out the consultation on traffic paint:

Q: Are most of your inputs imported?

A: They are distributed locally, but 85% are imported. You cannot get the company to import, since the minimum amounts that can be made are not achieved.

Q: Is the actual inputs placed on the label?

A: No one places them; this is given that companies have a reservation in the formulation. You have to have a format for the technical sheets of the paintings.

Q: What has been the acceptance of the new products?

A: In the case of the product with zinc phosphate if it has cost to introduce it, since anti-corrosive effectiveness is not the same as the chromate. For the product that does not contain TBTO, given its higher price it is difficult to compete with similar products.

B. SOPRIN SAC

The representative of SOPRIN, Miguel Rivas (General Manager of the company), began his participation by presenting the company. He mentioned that by the year 2012, the company decided to stop producing solvent based paints and moved to aqueous base; at 2019, the company does not use solvents in the entire plant, its products are water based. To achieve this, investment in infrastructure and personnel training must be made

Barriers were expressed regarding more environmental friendly paints:

- The decision makers of purchase are the paint professionals (painters) whom are already influenced by traditional brands. For this, it is not easy to influence the purchase and promote this kind of products. However, they have made an alliance with the National Training Service for the Construction Industry (SENCICO) to train them.

REGIONAL EXECUTING PARTNER:



ADVISORY PARTNERS:



- The final consumers have low information and knowledge about the products. Experiences: Soprin does not have the ability to influence, but they have an alliance with CONCICO to train applicators.
- There is no legal framework related paints. There are standards or technical norms however they are not legal binding.
- The accessibility of products to final consumers, through retailers or hardware stores, is dominated by big companies.
- There are no tax incentives that promote the use of environmental friendly raw materials.

Finally, it was mentioned that the company invested in raw materials and technology; the company have water recovery processes, a work force with a totally innocuous production process.

C. ECOCOLOR

The representative of ECOCOLOR, Gustavo Villar (General Manager of the company), began his participation by presenting the company. He mentioned that the company started operations on 2013 and produces environmental friendly products: low VOCs and non-heavy metal pigments.

It was mentioned that for the production of environmental friendly paints there is no requirement of high technology but a good laboratory infrastructure. Then, some barriers were mentioned:

- Raw materials are high costs
- Some entry barriers in the paint market since big companies dominates more than the 70% of the share market.

D. QROMA

The representative of QROMA, Jessica Oliveira (Regional Technical Manager the company), began his participation by presenting the company. She mentioned the company have certifications related ISO since 2001. Then she mentioned the timeline for the products of QROMA.

- In 2002, no lead was used in latex paints.
- In 2003, no ammonia was used in paints.
- In 2005, lead was phased out of industrial paints.
- In 2007, lead was phased out of anticorrosive paints and from domestic paints (dries).
- In 2008, tin was phased out from the marine paints.
- In 2014, tar and pitch were phased out.

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Some barriers were mentioned:

- No regulation related lead in paint
- There is a need to invest in R&D.
- There are more complicated products than others for replacement: powder paint, road marking paint, alkyd resin.
- There are no specialized laboratories to evaluate the presence of these materials in the specific matrix for each type of paint: we must work with them to validate methods.

E. AIRE

The representative of AIRE, Alejandro González, (Manager the company), began his participation by presenting the company. He mentioned the benefits of the paint and its viability to use as a tool for urban interventions.

The paint that AIRE distributes comes from Boysen, a partner of the Alliance. It was mentioned that environmental friendly paints are difficult to sell since price is higher however they have decided to sell it through a different business model.

2.8. Plenary

Margaret Chávez presented the summary of the 2nd Session of the committee:

- New organizations confirmed their status as members of the committee.
- The Technical Guideline was presented in the previous session and was send through email, no further commentaries were made. The printing of the preliminary guideline was given on this session.
- The Technical Support Committee (or Inter-agency committee) rules of procedure was approved in the 2nd session.

Margaret Chavez mentioned some modifications on the working plan:

- The working plan was detailed based on the Panama Workshop suggestions.
- The first drafts of the law will be elaborated within June – November using the Law Model Guideline of UN Environment. The first proposal will be given on September.
- The technical support for the law proposal will be elaborated within June – September based on the documents elaborated by NCPG Peru (market baseline and barriers of the chain value).

It was stated that the country approach document should be delivered at the end of June

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considering the following:

- Cost / Benefit Study of the Bill (PL)
- Technical and legal review of the first draft of the PL
- Legal advice to obtain a CAN decision that generates binding norms in the Andean region.
- Technical and financial assistance for the Lead Baseline
- Technical and financial assistance to evaluate informal activity.
- Technical advice for the strengthening of laboratory capacities.
- Life cycle analysis for paintings.

3. Agreements and Conclusions

The following conclusions were given:

- The request for technical assistance (country approach) will be sent to UN Environment. For this, the representatives of the Ministry of Environment, Ministry of Health with the support of Grupo GEA will elaborate the country approach and send it at the end of June.
- The first draft of the law will be elaborated for December 2019.0 The proposals will be shared and discussed with the members of the committee.
- Grupo GEA is preparing the baseline of the sector, with the objective of contributing to the first draft of the standard.
- October is the week of lead-free paints, which is why the collaboration of all CAT members is expected, in order to achieve awareness and maximum diffusion.

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ANNEX 3. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 3.D. PPT PRESENTATIONS

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ANNEX 3. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 3.E. PHOTOGRAPHIC RECORD

Photo 1. Third session of the Inter-agency committee



Photo 2. NCPCC Colombia participation on inter-agency committee session



Photo 3. Universal Colors participation on 3rd Session of Inter-agency committee



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ANNEX 3. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 3.E. PHOTOGRAPHIC RECORD

Photo 4. Soprin participation on 3rd Session of Inter-agency committee



Photo 5. Ecocolor participation on 3rd Session of Inter-agency committee



Photo 6. Qroma participation on 3rd Session of Inter-agency committee



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ANNEX 3. MORNING SESSION REGIONAL WORKSHOP OF LEAD IN PAINT

ANNEX 3.E. PHOTOGRAPHIC RECORD

Photo 7. AIRE participation on 3rd Session of Inter-agency committee



Photo 8. Plenary on 3rd Session of Inter-agency committee



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ANNEX 4. SOCIAL MEDIA DISSEMINATION

Press releases:

**INICIO DEL PROYECTO REGIONAL
"PINTURAS LIBRES DE PLOMO"**

ESTAS AQUÍ:
INICIO > NOTICIAS > INICIO DEL PROYECTO REGIONAL "PINTURAS LIBRES DE PLOMO"



18 y 19
DE JUNIO

EVENTO REGIONAL
"PINTURAS LIBRES DE PLOMO"

LUGAR: SOCIEDAD NACIONAL DE INDUSTRIAS
CALLE LOS LAURELES 365 - SAN ISIDRO
Confirme su asistencia a narias@grupogea.org.pe / comunicaciones@grupogea.org.pe

CON EL APOYO DE:



SOCIOS IMPLEMENTADORES:



Con el objetivo de aperturar el Proyecto Regional de América del Sur "Pinturas Libres de Plomo", el 18 de junio del 2019 se llevará a cabo el Evento de Inauguración Regional, que contará con la participación de representantes de ONU Medio Ambiente, del Ministerio de Salud, Ministerio del Ambiente y los Socios Ejecutores de Ecuador, Colombia y Perú.

El evento, que se desarrollará en la Sociedad Nacional de Industrias, tiene como objetivo presentar el estado actual referente a la problemática de plomo en pinturas y ver de qué manera el proyecto "Pinturas libres de Plomo" puede velar por químicos seguros.

A nivel mundial, varios países han tomado medidas para regular el uso de dicho componente en las pinturas; ONU Medio Ambiente, la Organización Mundial para la Salud y el Departamento de Medio Ambiente de Estados Unidos han sugerido regular la concentración de plomo utilizado en la fabricación de pinturas a 90 ppm (Partes por millón).

A nivel regional, la organización sin fines de lucro Grupo GEA coordina la ejecución de este proyecto para los países de Ecuador, Colombia y Perú. A nivel nacional, el Centro de Ecoeficiencia y Responsabilidad Social (CER) implementa el proyecto junto al Ministerio de Ambiente (MINAM) y Ministerio de Salud (MINSA).

El evento busca que los Socios Ejecutores del proyecto de Ecuador, Colombia y Perú presenten el avance a nivel del país, las oportunidades y barreras para lograr un marco normativo que limite la comercialización, fabricación y uso de pinturas con plomo. Así mismo, el evento contará con la participación de un experto internacional en pinturas, quien desarrollará por la tarde una sesión para informar y capacitar a las empresas interesadas en lograr productos de pintura que respondan a requisitos internacionales.

El evento es de ingreso libre. Para mayor información sobre el evento y registro, se puede ingresar al link: <https://www.joinnus.com/seminarios-y-conferencias/lima-evento-regional-pinturas-libres-de-plomo-28648>

Source: http://www.grupogea.org.pe/noticia/inicio-del-proyecto-regional-pinturas-libres-plomo/?fbclid=IwAR3XbyMhmQCFkL2EhKAqOPR61kgVjqU18Tfhv5_usrBLnYiXkH5G80by81Y

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ANNEX 4. SOCIAL MEDIA DISSEMINATION

Facebook posts:

Grupo GEA
Publicado por Ingrid Palacios [?] · 17 de junio a las 17:25 · 🌐

El último estudio, realizado en el 2009, encontró concentraciones mayores a 10,000 ppm (partes por millón) de plomo en las pinturas, 100 veces más lo sugerido por la Organización Mundial de la Salud. A nivel nacional, la exposición al plomo en los niños resulta en costos económicos de USD 10,7 mil millones.
En la actualidad se estima que 581,800 niños son impactados, perdiendo a nivel nacional 2 mil millones de puntos de coeficiente intelectual.
#PinturasLibresDePlomo #QuímicosSeguros #GrupoGEA

EVITEMOS EL CONTACTO DEL PLOMO CON LOS NIÑOS

PINTURAS LIBRES DE PLOMO

#QUÍMICOSSEGUROS



535 Personas alcanzadas 32 Interacciones [Promocionar publicación](#)

👍 12 5 veces compartido

Grupo GEA
Publicado por Margaret Chavez [?] · 13 de junio a las 18:00 · 🌐

#químicosseguros: Estamos a pocos días de nuestro Evento Regional "Pinturas libres de Plomo". En el cual se presentará el impacto de las pinturas con plomo a nivel país y se informará sobre el enfoque para lograr reducir el uso de plomo.

SAVE THE DATE  **18 y 19 DE JUNIO**

EVENTO REGIONAL "PINTURAS LIBRES DE PLOMO"

LUGAR: SOCIEDAD NACIONAL DE INDUSTRIAS
CALLE LOS LAURELES 365 - SAN ISIDRO
CONFIRME SU ASISTENCIA [AQUÍ](#)

CON EL APOYO DE:    SOCIOS IMPLEMENTADORES:    

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INICIO DEL PROYECTO REGIONAL "PINTURAS LIBRES DE PLOMO" - Grupo GEA

368 Personas alcanzadas 39 Interacciones [Promocionar publicación](#)

👍❤️ 11 5 veces compartido

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