Second meeting of the Eliminating Mercury Skin Lightening Products project stakeholder group

21 May 2024 2 pm - <u>4 pm CET</u>







# Before we start, please:





**Keep microphones off** unless when making an intervention, cameras are optional



Use the **"Chat"** to ask technical questions or share views



The **meeting will be recorded**. Please indicate if you have any objection

## AGENDA

14:00 Opening and scene setting, US EPA, Minamata Convention, UNEP Global Mercury Partnership

## **Updates from the GEF project**

- 14:15 Strengthening legislation and regulations to phase out skin lightening products in line with the Minamata Convention, **Gabon**
- 14:30 Strengthening national capacities in testing and monitoring the skin lightening products and providing training of custom agents, **BRI**

## **Updates from the stakeholders**

14:45 Antigua and Barbuda update on the Draft Regulation on restricting SLPs and other chemicals in cosmetics, **Ministry of Foreign Affairs, Agriculture, Trade and Barbuda Affairs** 

15:00 Mercury in SLPs: Update on the Global challenges and response, **EEB/ZMWG** 

- 15:10 Consumer product safety pledges policy guidance, **OECD**
- 15:20 Interactive session: Global communication needs and opportunities , All
- 15:45 Way forward and closing, All

## **OPENING AND SCENE SETTING**

- US EPA/co-lead of Products Partnership Area
- Secretariat of the Minamata Convention,
- Secretariat of the UNEP Global Mercury Partnership



# Minamata Convention COP-5 decision on mercury-added cosmetics



# **Decision MC-5/5: Preparation of a report on cosmetics listed in Part I of Annex A to the Minamata Convention**

The Conference of the Parties

1. Invites Parties and relevant stakeholders to submit information to the Secretariat by **30 June 2024** on challenges in preventing the manufacture, import and export of cosmetics listed in Part I of Annex A to the Minamata Convention on Mercury, as well as on current or proposed measures for addressing these challenges taken by Parties and others, including the Global Mercury Partnership;

2. Requests the Secretariat to prepare a draft report, compiling and synthesizing the information described in paragraph 1 above, addressing topics such as, but not limited to, the following: phasing out sales and offers of sales of mercury-added cosmetics; strategies for discouraging the marketing, advertising and display of mercury-added cosmetics; advisories, detention lists and prohibited substances lists concerning mercury-added cosmetics; licensing and product ingredient approvals for cosmetics manufacturing facilities; developing and implementing product safety pledges for online platforms; and raising awareness of the hazards of skin-lightening product use among physicians, dermatologists and beauty centre staff, as well as consumers and family members;

*3. Also requests* the Secretariat to make the draft report mentioned in paragraph 2 above available to Parties and relevant stakeholders by **31 March 2025** so that they can review it and comment on it;

*4. Further requests* the Secretariat to prepare a final report, taking into account the comments submitted by Parties and relevant stakeholders in accordance with paragraph 3 above, for consideration by the Conference of the Parties at its sixth meeting.

The Executive Secretary issued a <u>letter</u> inviting submission of information on 5 March 2024.



## Decision MC-5/5: Preparation of a report on cosmetics listed in part I of Annex A to the Minamata Convention



Information on challenges in preventing the manufacture, import and export of mercury-added cosmetics, as well as on current or proposed measures for addressing these challenges, is to be reported by 30 June 2024 using the <u>format</u> attached to the Executive Secretary's letter.

Challenges in preventing the manufacture, import and export of mercury-adder and measures for addressing these challenges:	d cosmetics	2.4. Strategies for discouraging the marketing, advertising and display of mercury-added commitics	
INFORMATION SUBMISSION FORM	Convention on	2.5 Abbisories, detertion lists and prohibited substances lists concerning mecury-added cosmetics (may overlap, with 2, 1)	
nd others, pursuant to COP decision MC-5/5 (See Annes). actes and stakeholders are invited to submit information using this form and email it to mea-minametisecretanot(jun.org) by 30 June 2024.		2.6. Licenting and product ingredient approvals for cosmetics manufacturing facilities (may overlap with 2.1)	
inouid you have any specific questions for clarification, kindly send an email to rea-ministratasecretarisettiun org with a copy to Eleaku Tode at <u>eleaku todeftim org.</u>		2.7. Developing and implementing product safety pledges for online platforms	
		2.8. Raising awareness of the	
Contact information		hazards of skin-lightening product use among physicians,	
Country/Organization1		dermatologists and beauty	
Family Name		centre staff, as well as	
Given Name		consumers and family	
		niembers.	
Affiliation <sup>3</sup>		2.9. Other measures or general	
Address		measures <sup>3</sup>	
E-mail		Other comments	
Challenges in preventing the manufacture, import and export of cosmetics dated in Part the Convention	I of America to	3.1. Matters to be considered in developing a report based on the automissions	
1. Please describe the		3.2. Any other comments	
challenges Current and planned measures: Pfease describe current and planned measures with rea:	0.014	Asterance	
current and planned measures, Prease describe current and planned measures with reg. following.*	are to the	4. Please attach relevant	
2.1. Regulation of manufacture		documents or links to relevant	
of mercury-added cosmetics		information	
2.2. Regulation of import and export of mercury-added cosmetics			
2.3. Regulation of cales and offers of sales of mercury- added cosmetics <sup>4</sup>			
This is a statement with a This or a new party permitted paper privity the state of the exacts is raise on the a subdivision, paper privity the start of the approximation. Paper instance the entropy is analyzed approximation of the approximation Paper instance the entropy is analyzed approximation of the entropy of the The english residue states and state particular of the entropy of the The english residue states and state particular of the entropy of the end of the states and the particular of the end of the e	er ef å endersonserer	nonter necessar nega indust intergences (he narrow necessarion response, neterminetes de	controlling internal menufactive or

The Executive Secretary's <u>letter</u> describes the plan as follows (Some dates have been adjusted):

- 8 May 2024: Convene a Minamata Online session on COP-5 Decisions 5/4 and 5/5
- 2-29 May 2024: <u>Advertise</u> to hire a consultant to draft the report (with financial contribution from the European Union)
- 30 June 2024: Information submission deadline
- July-August 2024: Consultant to develop a draft report
- Sep-Dec 2024: Internal review of the draft report and consultation with UNEP, WHO and Global Mercury Partnership
- Jan 2025: Make the draft report available to Parties and relevant stakeholders on the website for comments; A webinar will be convened to present the draft report
- April 2025: Commenting deadline
- June 2025: Final report for submission to COP-6.



# Thank you for your attention

Secretariat of the Minamata Convention on Mercury United Nations Environment Programme 11-13, Chemin des Anémones - 1219 Châtelaine, Switzerland

WEB: www. minamataconvention.org MAIL: MEA-MinamataSecretariat@un.org X: @minamataMEA #MakeMercuryHistory

## Eliminating Mercury Skin Lightening Products project stakeholder group

Platform to exchange information between project and stakeholder on the topic



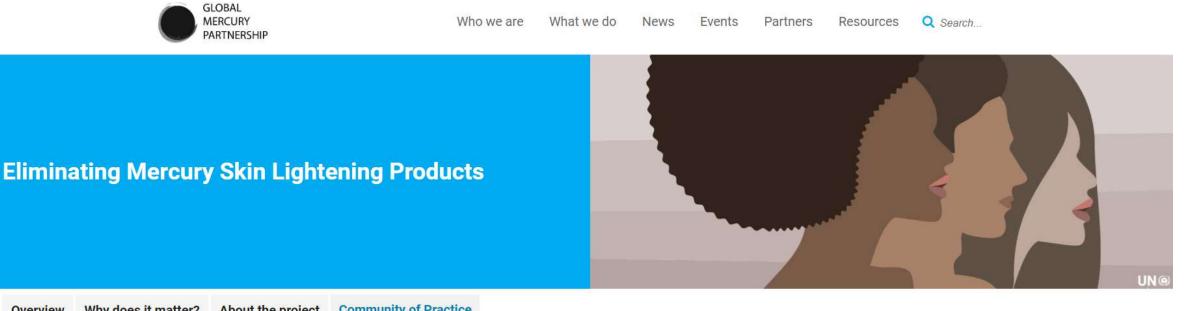
Over 110 members on the mailing list of the group <u>-</u> mercury-incosmetics@googlegroups. com

1<sup>st</sup> meeting – November 2023



## **Knowledge hub**

## https://www.unep.org/mercuryfreecosmetics



**Community of Practice** Why does it matter? About the project Overview

#### Multiplying project benefits through community of practice

Eliminating Mercury Skin Lightening Products project stakeholders group was established in the context of the GEF-funded, UNEP-led project "Eliminating Mercury Skin Lightening Products" that is carried out by WHO and the Biodiversity Research Institute in collaboration with the Governments of Gabon, Jamaica, and Sri Lanka,

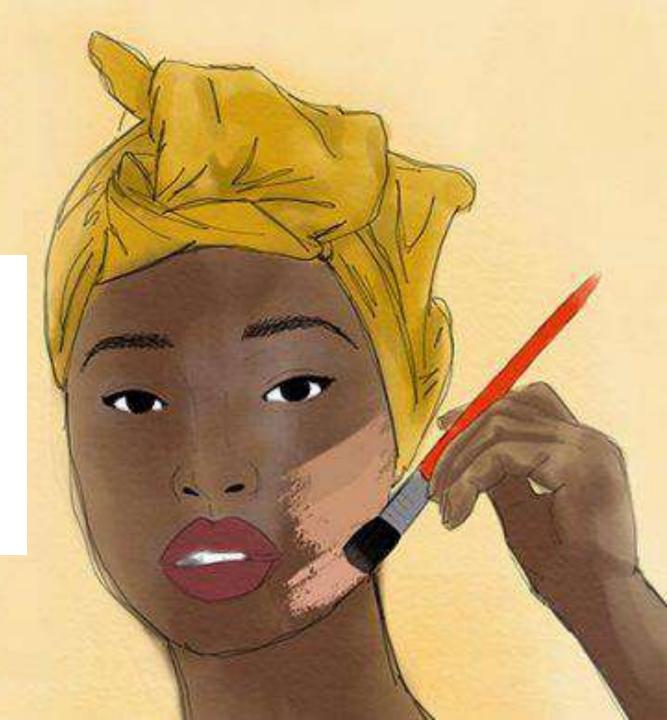
The group acts as a platform for information and knowledge exchange between project countries and global stakeholders working on the issue. The community of practice is open to all relevant stakeholders and experts with knowledge and interest in the issue of eliminating mercury containing skin lightening products.

Related links

First meeting of the Eliminating Mercury Skin Lightening Products project stakeholders group, 28 November 2023

Join the Community of Practice

Strengthening legislation and regulations to phase out skin lightening products in line with the Minamata Convention Gabon





# Strengthening legislation and regulations to phase out skin lightening products in line with the Minamata Convention

Update from SLPs project \_Gabon 21,May 2024 Serge Molly Allo'o Allo'o, NOP, WHO- Gabon

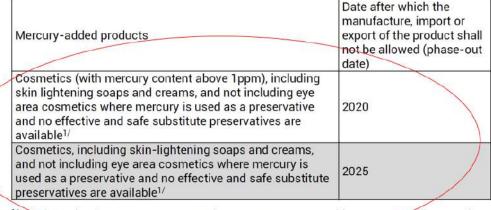
# Plan

- **1.** Reminder of the COP Decisions on cosmetics
- 2. Outcome on strentheginging legal framwork on SLPs
- 3. Workshop to raise awareness of regulations on SLPs
  - **3.1 National workhop**
  - 3.2 Local workshop
- 4. Challenges
- 5. Other informations
- Conclusion

# **1. Reminder: COP 5 Decisions on Cosmetics**

Decision MC-5/4: Amendments to annexes A and B and feasibility of mercury-free alternatives for manufacturing processes listed in annex B





<sup>1/</sup> The intention is not to cover cosmetics, soaps or creams with trace contaminants of mercury

Decision MC-5/5: Preparation of a report on cosmetics listed in part I of annex A to the Minamata Convention on Mercury

#### The Conference of the Parties

1. *Invites* parties and relevant stakeholders to submit information to the secretariat by 30 June 2024 on challenges in preventing the manufacture, import and export of cosmetics listed in part I of annex A to the Minamata Convention on Mercury, as well as on current or proposed measures for addressing these challenges taken by parties and others, including the Global Mercury Partnership;

CONVENTION

ON MERCURY

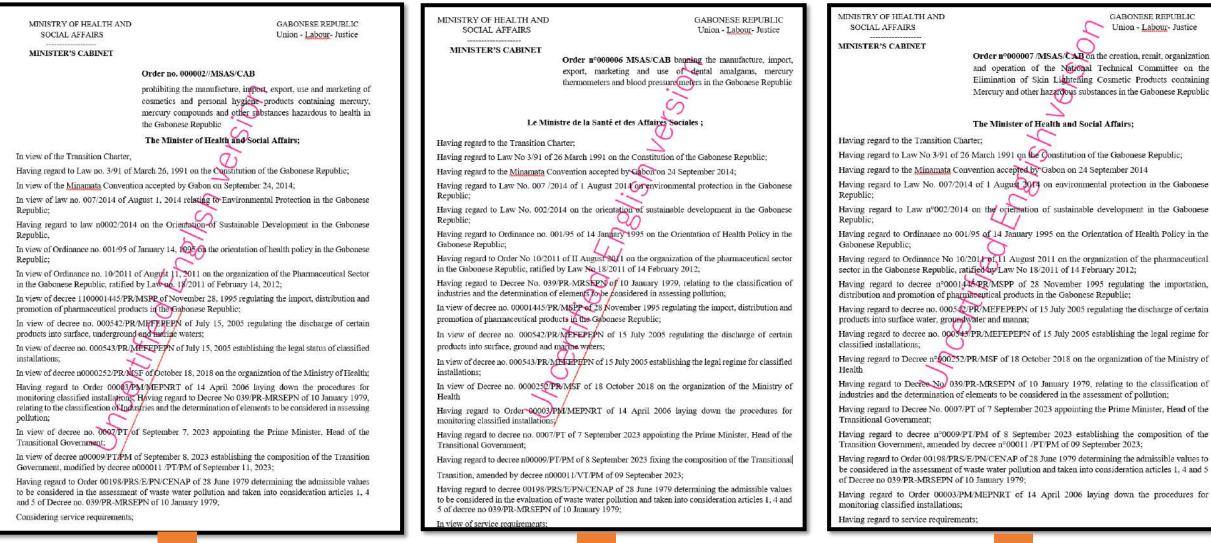
2. Requests the secretariat to prepare a draft report, compiling and synthesizing the information described in paragraph 1 above, addressing topics such as, but not limited to, the following: phasing out sales and offers of sales of mercury-added cosmetics; strategies for discouraging the marketing, advertising and display of mercury-added cosmetics; advisories, detention lists and prohibited substances lists concerning mercury-added cosmetics; licensing and product ingredient approvals for cosmetics manufacturing facilities; developing and implementing product safety pledges for online platforms; and raising awareness of the hazards of skin-lightening product use among physicians, dermatologists and beauty centre staff, as well as consumers and family members;

3. *Also requests* the secretariat to make the draft report mentioned in paragraph 2 above available to parties and relevant stakeholders by 31 March 2025 so that they can review it and comment on it;

4. *Further requests* the secretariat to prepare a final report, taking into account the comments submitted by parties and relevant stakeholders in accordance with paragraph 3 above, for consideration by the Conference of the Parties at its sixth meeting.

#### Activites to implement Decision MC 5/4 and MC 5/5 in context of SLPs GEF Project-Gabon

## **Outcome: Strengthening the legal framework to eliminate SLPs in Gabon**



2

# 3. Workshop to raise awareness of regulations on SLPs

**3.1** National workshop to raise awareness of regulations banning products containing mercury and other substances hazardous to health







On February 13 and 14, 2024, the BOULEVARD Hotel in Libreville, Gabon, hosted a national workshop to raise awareness of the regulations banning products containing mercury and other substances hazardous to health.

The workshop, part of the project to eliminate mercury-containing cosmetics, was attended by some sixty participants from public and private administrations, universities, institutes, associations, and associations of dectors, pharmacists and mixiwes. Date: 13 - 14 february, 2024

#### High level participation:

 Minister of Health + Minister of Environmemnt + WHO Representative

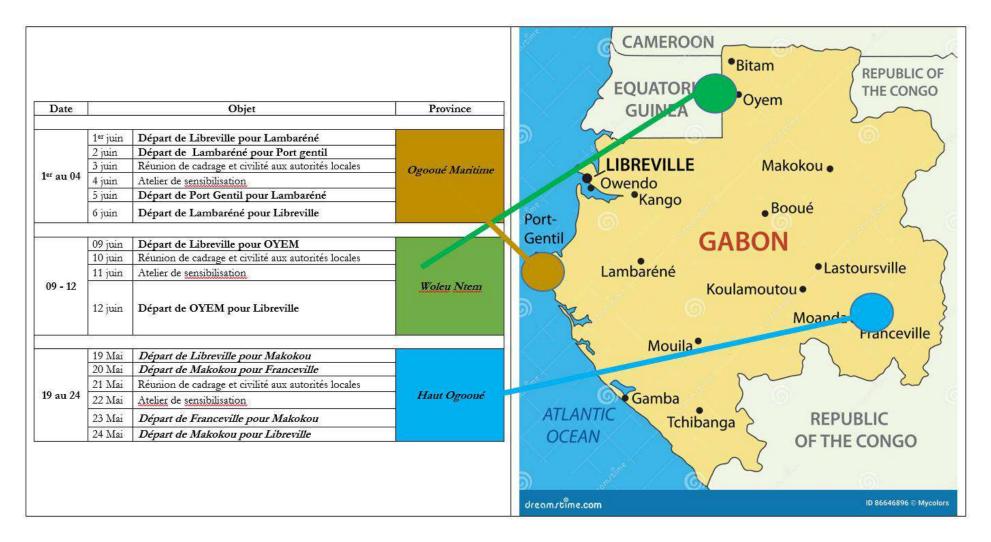
#### **Participants:**

Around sixty participants from public and private administrations, universities, institutes, associations, and associations of doctors, pharmacists and midwives

#### **Recommendations:**

 Replicate the same workshop in the rest of the country to ensure better application of the regulations.

## **3.2 Local workshop to ensure better application of the regulations**



Budget by local meeting ~ 5667 USD

# 4.Challenge

- At this stage, the profile of SLPs in circulation in Gabon is still unknown due to delays in sampling.
- The national steering Committee is concerned that scientific analyses may not be carried out locally because of delays in building the capacity of laboratories capable of analyzing mercury-containing products.
- adapting the national work plan to that of the technical assistant, particularly with regard to sampling, is proving rather difficult.
- Budgetary constraints mean that the replication workshops have to be scheduled for one day in the country, instead of two as initially recommended by the stakeholders.
- In addition, the replication workshops will only be held in 3 provinces (Woleu N'tem, Ogooué Maritime and Haut Ogooué) out of the country's 9 provinces. This poor coverage could be a major constraint prior to the SLP monitoring and controle missions to be carried out by ANMAPS.

# Other informations

- Imminent launch of the knowledge and practices survey, as the consultant recruitment process will be finalized next week at the latest.
- Gabon is working closely with project partners (GMP, UNEP, WHO Geneva and Afro,..) to host the sub-regional workshop on the implementation of the Minamata Convention
- The project's mid-term visit is planned to coincide with the national awareness-raising workshop for dermatologists, scheduled for June 2024.

# Conclusion

- With the leadership of the ANMAPS and the Minamata Focal Point, the SLPs project in Gabon is proceeding smoothly, with close collaboration between the WHO National Office, the Ministries of Health and Environment and all the relevant stakeholders. All the activities planned for this year, including those delayed last year, should normally produce the expected results within the project implementation timeframe.
- it is important to emphasize that missions to monitor the SLPs on the national market are planned for the end of this year. The success of this operation will depend on reliable national analysis capacity.









Strengthening national capacities in testing and monitoring the skin lightening products and providing training of custom agents BRI



Strengthening National Capacities in Testing and Monitoring Skin Lightening Products (SLPs)

# **Development of a Global Database**

2<sup>nd</sup> Meeting of the Project Stakeholder Group (PSG) 21 May 2024 [virtual event]

GEF# 10810 Eliminating Mercury Skin Lightening Products





Project Components & Key Outcomes 1. Build national capacity on legislation, enforcement, compliance, and awareness raising strategies

Project countries having strengthened capacity to develop enforcement and compliance strategies to support legislation on SLPs

2. Reduce or stop production, trade, distribution of SLPs in project countries

Increased understanding of, and ability to monitor, local and online markets for SLPs, including production, distribution and usage

3. Knowledge management at global level

- Global Advocacy Campaign
- Community of Practice Project Stakeholder Group
- Knowledge Hub





Understanding the presence of SLPs on the market...

- Conduct sampling and testing of SLPs in project countries (using a 2-step sampling protocol being tested as part of the project).
- Conduct a Literature Review of existing verified data on mercury-added SLPs.
- Develop a global database repository of reputable mercury-added SLP data compiled from available sources and samples analysed under the project.

Literature Review and Database Progress Publicly available data on SLPs were reviewed.

Over 1,000 SLP sample results obtained.

Sources included:

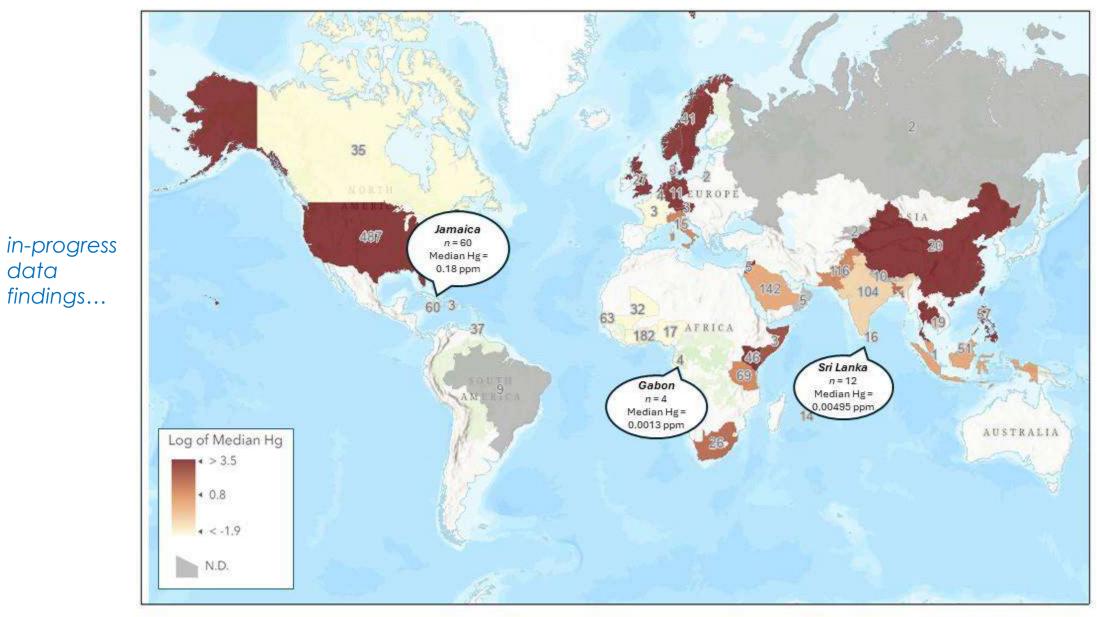
#### Over 50 Published Journal Articles

e.g., Bastiansz, A. et al. 2022. A Systematic Review of Mercury Exposures from Skin-Lightening Products. Environ Health Perspect. 2022 Nov; 130(11): 116002.

 Databases/Reports released by recognized entities (NGOs and monitoring agencies)

e.g., ZMWG, BeautyWell, EU Safety Gate, US FDA, EcoWaste, NYC Health Department, Hong Kong Department of Health etc....

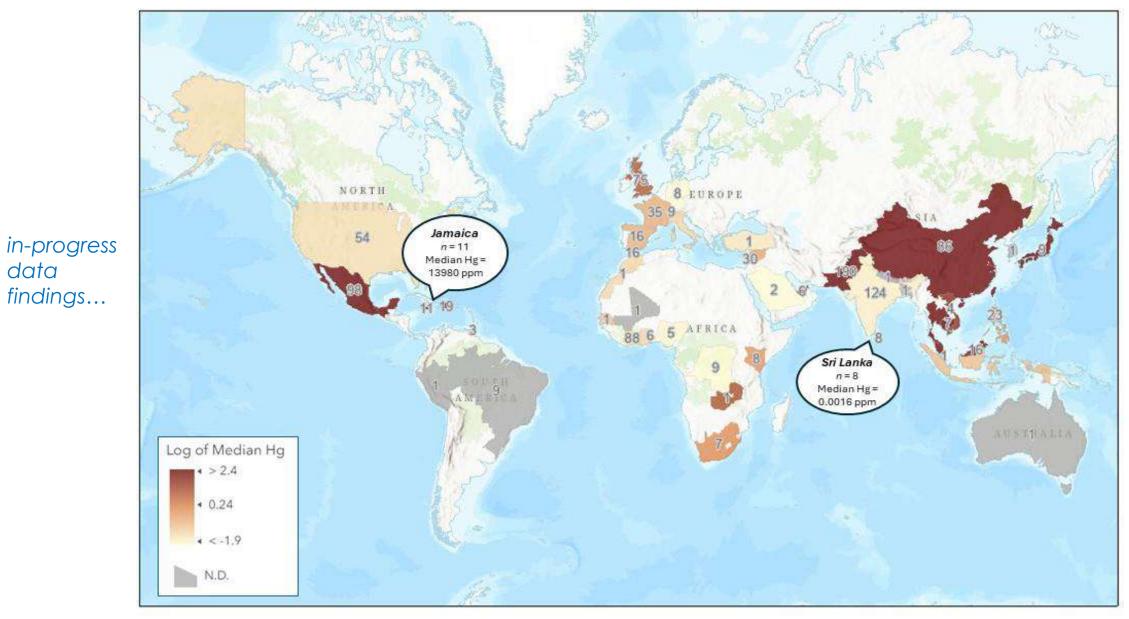
#### Log of Median Hg Content in SLPs by Country of Collection



data

findings...

#### Log of Median Hg Content in SLPs by Country of Manufacture



data

findings...

28

### **Global Database**

Development

Some of the data currently being tracked for database development (once available):

- Country of Manufacture
- Country of Purchase
- Location of Purchase
- Name of SLP
- Type e.g., Lotion, Cream
- Listed ingredients
- Date of purchase/publishing of results
- Photos
- Hg results (ppm)

Etc....

Literature Review and Database Progress

#### At this stage...

Literature Review data is being used internally to identify:

- potential key hubs for production,
- patterns of distribution and
- products of interest for testing in project countries/regions

For entry into a global database, certain criteria will have to be determined for what data will be used.

E.g., year of sampling (after 2020 phase-out date?)

Under the project, using a standard protocol, approximately <u>100 SLP</u> <u>products</u> are being sampled <u>per project country</u> and duplicate sampling of SLPs identified with mercury will be collected from project countries. Global Database Development All confirmed Hg SLP products will be documented in a centralized database developed in coordination with the UNEP Global Mercury Partnership (and key stakeholders such as ZMWG, BeautyWell, other members of the PSG etc.).

#### Goals for Database:

- To be a 'living' database with a mechanism for other researchers/monitoring entities to access/contribute to
- To be used as a tool for Customs/border control monitoring by project countries (and other countries)
- More specific data on Hg concentrations can be made available for tracking of progress in phase out of SLP product availability/ Hg content in SLPs.





TAHLIA ALI SHAH INTERNATIONAL ENVIRONMENTAL SPECIALIST BRI



• tahlia.alishah@briwildlife.org

- david.evers@briwildlife.org
- mark.burton@briwildlife.org
- michaela.peterson@briwildlife.org



www.briwildlife.org

B	Beautywell	https://thebeautywell.org/data/database/
B		2022. BSTI bans 17 face creams with dangerous levels of mercury. The Business Standard. https://www.tbsnews.net/bangladesh/bangladesh-bans-17-pakistani-face-creams-dangerous-levels-mercury- 457510
		Buckinghamshire County Council. 2013. Mercury Test Results - Skin Whitening Cosmetics. https://photosaved.files.wordpress.com/2013/02/buckinghamshire-county-council-skin_whitening_creams.pdf
	CA Dept. of Public lealth	https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHIB/CPE/Pages/CreamsTested4Mercury.aspx
C		Gabler, E. & Roe, S. 2010. Mercury content of skin-lightening creams. Chicago Tribune. https://media.apps.chicagotribune.com/tables/skincreams.html
C		Surbhi. 2021. Studies show Fairness Cream In India Contains Mercury. Dermatocare. https://www.dermatocare.com/blogs/popular-fairness-cream-in-india-contains-mercury/
E		EcoWaste Coalition. 2021/ Toxic Expose: Online Trade of Mercury-Containing Skin Whitening Cosmetics in the Philippines. https://ipen.org/sites/default/files/documents/toxic_expose_sm.pdf
E		2020. Recall of products - January 10, 2020. Cosmetic OBS. https://cosmeticobs.com/en/articles/recalls-of- products-27/recall-of-products-january-10-2020-5106?page=2#allarticles
Е		European Commission. 2024. Safety Gate: the EU rapid alert system for dangerous non-food products. https://ec.europa.eu/safety-gate-alerts/screen/search?resetSearch=true
F		Hong Kong Dept. of Health. 2006. Press Releases: Public warned about unsafe beauty cream. https://www.info.gov.hk/gia/general/200610/06/P200610060218.htm
F		Hong Kong Dept. of Health. 2015. Press Releases: Public urged not to use two types of unsafe cosmetic cream. https://www.info.gov.hk/gia/general/201511/05/P201511050676.htm
F		Today Online. 2017. High levels of mercury detected in facial cream sold online: HAS. https://www.todayonline.com/singapore/high-levels-mercury-detected-facial-cream-sold-online-hsa
	MN Dept. of lealth	https://www.health.state.mn.us/communities/environment/skin/docs/testedprds.pdf
Γ	NYC Health Dept.	
P		Yeomans, M. 2012. Philippines FDA updates list of banned mercury-laden cosmetics. Cosmetics Design. https://www.cosmeticsdesign-europe.com/Article/2012/12/07/Philippines-FDA-updates-list-of-banned-mercury- laden-cosmetics#
		Afzal, B., Raza, S., Ali, S. W., Abbas, Z., & Khwaja, M. A. (2018). Mercury Poisoning Associated with International and Local Skin Whitening Creams in Pakistan.
		2021. Skin whitening creams sold in India found to contain dangerously high levels of toxic mercury. Gaon Connection. https://en.gaonconnection.com/skin-whitening-creams-india-pakistan-philippines-toxic-mercury-health-beauty-products-environment/
		Toxics Link. 2021. Dark Truth of Skin Whitening Cream. https://toxicslink.org/wp- content/uploads/2022/08/MERCURY%20IN%20SKIN%20WHITENING%20CREAM.pdf
L		U.S. Food and Drug Administration. 2023. Skin Products Containing Mercury and/or Hydroquinone. https://www.fda.gov/consumers/health-fraud-scams/skin-products-containing-mercury-andor-hydroquinone

33

# Current Literature Review Sources

# Databases/Monitoring <u>Entities Referenced:</u>

# Current Literature Review Sources

### Published Literature

**<u>References</u>**:

- Ababneh, F. A., & Al-Momani, I. F. (2018). Assessments of toxic heavy metals contamination in cosmetic products. Environ. Forensics, 19(2), 134–142. https://doi.org/10.1080/15275922.2018.1448908.
- Abbas HH, Sakakibara M, Sera K, Nurgahayu, Andayanie E. Mercury exposure and health problems of the students using skinlightening cosmetic products in Makassar, South Sulawesi, Indonesia. Cosmetics. 2020;7(3). doi:10.3390/COSMETICS7030058
- Agorku, E. S., Kwaansa-Ansah, E. E., Voegborlo, R. B., Amegbletor, P., & Opoku, F. (2016). Mercury and hydroquinone content of skin toning creams and cosmetic soaps, and the potential risks to the health of Ghanaian women. Springerplus, 5(319), 1-5. PMID: 27065161, https://doi.org/10.1186/s40064-016-1967-1.
- Akhtar, A., Kazi, T. G., Afridi, H. I., & Khan, M. (2022). Human exposure to toxic elements through facial cosmetic products: Dermal risk assessment. Regulatory toxicology and pharmacology, 131, 105145.
- Al Yahyai, I., Al-Lawati, H. A., & Hassanzadeh, J. (2022). Carbon dots-modified paper-based chemiluminescence device for rapid determination of mercury (II) in cosmetics. Luminescence, 37(7), 1087-1097.
- Alqadami, A. A., Abdalla, M. A., AlOthman, Z. A., & Omer, K. (2013). Application of solid phase extraction on multiwalled carbon nanotubes of some heavy metal ions to analysis of skin whitening cosmetics using ICP-AES. Int. J. Environ. Res. Public Health., 10(1), 361–374. PMID: 23343988, https://doi.org/10.3390/ijerph10010361.
- Alqadami, A. A., Naushad, M., Abdalla, M. A., Khan, M. R., Alothman, Z. A., Wabaidur, S. M., & Ghfar, A. A. (2017). Determination of heavy metals in skin-whitening cosmetics using microwave digestion and inductively coupled plasma atomic emission spectrometry. IET Nanobiotechnol., 11(5), 597–603. PMID: 28745295, https://doi.org/10.1049/iet-nbt.2016.0212.
- Al-Saleh, I. and Al-Doush, I., 1997. Mercury content in skin-lightening creams and potential hazards to the health of Saudi women. Journal of Toxicology and Environmental Health, 51(2), pp.123-130.
- Al-Saleh, I., Elkhatib, R., Al-Rouqi, R., Al-Enazi, S., & Shinwari, N. (2012). The dangers of skin-lightening creams. Toxicol. Environ. Chem., 94(1), 195–219. https://doi.org/10.1080/02772248.2011.631925
- Amponsah, D., Sebiawu, G.E. and Voegborlo, R., 2014. Determination of amount of mercury in some selected skin-lightening creams sold in the Ghanaian market. Int J Eng Res, 3(6).
- Arachchige, A. A., Rathnayake, K. T., & Perera, B. A. A comparative study on mercury, arsenic and cadmium in herbal fairness cream products in local market.
- Arshad, M., Sadef, Y., Shakoor, M. B., Naeem, M., Bashir, F., Ahmad, S. R., ... & Alyemeni, M. N. (2021). Quantitative estimation of the hydroquinone, mercury and total plate count in skin-lightening creams. Sustainability, 13(16), 8786.
- Ashraf, T., Taneez, M., Kalsoom, S., Irfan, T., & Shafique, M. A. (2020). Experimental calculations of metals content in skin-whitening creams and theoretical investigation for their biological effect against tyrosinase enzyme. Bio. Trace Elem. Res., 199, 3562–3569. PMID: 33079299, https://doi.org/10.1007/s12011-020-02441-z.
- Bamidele, O. D., Kayode, B. A., Eniayewu, O. I., Adegbola, A. J., Olatoye, R. S., Njinga, N. S., ... & Bakare-Odunola, M. T. (2023). Quality assessment of hydroquinone, mercury, and arsenic in skin-lightening cosmetics marketed in llorin, Nigeria. Scientific Reports, 13(1), 20992.

# Current Literature Review Sources

## <u>Published Literature</u>

## **<u>References</u>**:

- Bastiansz, A., Ewald, J., Rodríguez Saldaña, V., Santa-Rios, A. and Basu, N., 2022. A Systematic Review of Mercury Exposures from Skin-Lightening Products. Environmental Health Perspectives, 130(11), p.116002.
- Copan L, Fowles J, Barreau T, McGee N. Mercury Toxicity and Contamination of Households from the Use of Skin Creams Adulterated with Mercurous Chloride (Calomel). Int J Environ Res Public Health. 2015;12(9):10943-10954. doi:10.3390/ijerph120910943
- Cristaudo, A., D'ilio, S., Gallinella, B., Mosca, A., Majorani, C., Violante, N., Senofonte, O., Morrone, A. and Petrucci, F., 2013. Use of potentially harmful skin-lightening products among immigrant women in Rome, Italy: a pilot study. Dermatology, 226(3), pp.200-206.
- Gbetoh, M. H., & Amyot, M. (2016). Mercury, hydroquinone and clobetasol propionate in skin lightening products in West Africa and Canada. Environ. Res., 150, 403–410. PMID: 27372064, https://doi.org/10.1016/j.envres.2016.06.030.
- Glahder CM, Appel PWU, Asmund G. Mercury in Soap in Tanzania. Tech Rep No 306 Natl Environ Res Institute, Denmark. 1999;(306):19.
- Hamann, C.R., Boonchai, W., Wen, L., Sakanashi, E.N., Chu, C.Y., Hamann, K., Hamann, C.P., Sinniah, K. and Hamann, D., 2014. Spectrometric analysis of mercury content in 549 skin-lightening products: is mercury toxicity a hidden global health hazard?. Journal of the American Academy of Dermatology, 70(2), pp.281-287.
- Harada M, Nakachi S, Tasaka K, et al. Wide use of skin-lightening soap may cause mercury poisoning in Kenya. Sci Total Environ. 2001;269(1-3):183-187. doi:10.1016/S0048-9697(00)00812-3
- Harimurti, S., Mawarni, A., Deriyanti, I. S., Widada, H., & Sukamdi, D. P. (2023). The Analytical Survey of Mercury Content in Whitening Cream Sold in Banjarnegara Regency's Traditional Market. Journal of the Turkish Chemical Society Section A: Chemistry, 10(1), 39-46.
- Ho, Y. Bin, Abdullah, N. H., Hamsan, H., & Tan, E. S. S. (2017). Mercury contamination in facial skin lightening creams and its health risks to user. Regul. Toxicol. Pharmacol., 88, 72–76. PMID: 28554823, https://doi.org/10.1016/j.yrtph.2017.05.018.
- Irfan, M., Shafeeq, A., Siddiq, U., Bashir, F., Ahmad, T., Athar, M., ... & Lam, S. S. (2022). A mechanistic approach for toxicity and risk assessment of heavy metals, hydroquinone and microorganisms in cosmetic creams. Journal of Hazardous Materials, 433, 128806.
- Jose, A., Ray, J. G., & Schumacher, U. (2018). Toxic content of certain commercially available fairness creams in Indian market. Cogent Medicine, 5(1). https://doi.org/10.1080/2331205X.2018.1433104
- Kanwal S, Yamakawa A, Narukawa T, Yoshinaga J. Speciation and isotopic characterization of mercury detected at high concentration in Pakistani hair samples. Chemosphere. 2019;233:705-710. doi:10.1016/j.chemosphere.2019.05.275
- Khan, N. H., Ullah, F., Khan, T. A., Zafar, U., Farhan Ali Khan, M., Mustaqeem, M., ... & Ji, X. Y. (2021). Personal-care cosmetic practices in Pakistan: current perspectives and management. Clinical, Cosmetic and Investigational Dermatology, 9-21.
- Kinabo C. Comparative analysis of mercury content in human hair and cosmetic products used in Dar es Salaam, Tanzania. Tanzania J Sci. 2005;31(1). doi:10.4314/tjs.v31i1.18412
- Li, Y., Zhang, M., Tao, J., Zhao, L., Li, Z., Yang, R., & Qu, L. (2024). Tackling the water solubility dilemma of spiroring-closing rhodamine: sulfone-functionalization enabling rational designing water-soluble probe for rapid visualizing mercury ions in cosmetics. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 123999.
- Maneli MH, Wiesner L, Tinguely C, et al. Combinations of potent topical steroids, mercury and hydroquinone are common in internationally manufactured skin-lightening products: a spectroscopic study. Clin Exp Dermatol. 2016;41(2):196–201. [Clinical and experimental dermatology].

# Current Literature Review Sources

## Published Literature

•

<u>References</u>:

- McKelvey W, Jeffery N, Clark N, Kass D, Parsons PJ. Population-based inorganic mercury biomonitoring and the identification of skin care products as a source of exposure in New York City. Environ Health Perspect. 2011;119(2):203-209. doi:10.1289/ehp.1002396
- Mohammed, T., Mohammed, E., & Bascombe, S. (2017). The evaluation of total mercury and arsenic in skin bleaching creams commonly used in Trinidad and Tobago and their potential risk to the people of the Caribbean. J. Public Health Res., 6(3), 1097. PMID: 29291194, https://doi.org/10.4081/jphr.2017.1097.
- Mohammed, T., Rambocas, N., Basdeo, S., & Kissoon, Y. (2024). Evaluation of mercury in skin lightening creams commonly used in Trinidad and Tobago and their associated health risk. The European Research Journal, 1-10.
- Mudan, A. (2019). Notes from the field: methylmercury toxicity from a skin lightening cream obtained from Mexico—California, 2019. MMWR. Morbidity and mortality weekly report, 68.
- Murphy, T., Lim, S., Huong, S.P., Irvine, K., Bayen, S., Kelly, B.C. and Wilson, K., 2012. Application of handheld x-ray fluorescence analyzers to identify mercury in skin-whitening creams in cambodia. Journal of Health and Pollution, 2(3), pp.21-31.
- Peregrino CP, Moreno M V., Miranda S V., Rubio AD, Leal LO. Mercury Levels in Locally Manufactured Mexican Skin-Lightening Creams. Int J Environ Res Public Health. 2011;8(6):2516-2523. doi:10.3390/ijerph8062516
- Pramanik, S., Kumar, M., & Qureshi, A. (2021). Mercury in skin-care products in India and consumer exposure risks. Regulatory Toxicology and Pharmacology, 121, 104870.
- Prevodnik A, Willcox A, Lymberidi-Settimo E, Bender M, Lane O. Mercury-Added Skin Lightening Creams.; 2018.
- Quds, H. I., Purwadi, P., Holilah, I., & Hadi, S. (2021). Analysis of Mercury in Skin Lightening Cream by Microwave Plasma Atomic Emission Spectroscopy (MP-AES). Molecules, 26(11), 3130.
- Ricketts, P., Knight, C., Gordon, A., Boischio, A., & Voutchkov, M. (2020). Mercury Exposure Associated with Use of Skin Lightening Products in Jamaica. Journal of health & pollution, 10(26), 200601. https://doi.org/10.5696/2156-9614-10.26.200601
- Salama, A. K. (2016). Assessment of metals in cosmetics commonly used in Saudi Arabia. Environ. Monit. Assess., 188(10), 553. PMID: 27613289, https://doi.org/10.1007/s10661-016-5550-6.
- Sarkar, U., Faisal, A. R. M., & Shekhar, H. U. (2022). The presence of hydroquinone, and mercury in skin toning creams, as well as lead in turmeric powder, pose potential health risks to Bangladeshi women. Bioresearch Communications-(BRC), 8(2), 1132-1142.
- Selvaraju, A., Abdul Halim, A. N. S., & Keyon, A. S. A. (2020). Determination of selected heavy metal concentrations in unregistered face whitening creams sold in Johor Bahru, Johor, Malaysia by using inductively coupled plasma optical emission spectroscopy and their health risk assessment. Malaysian J. Anal. Sci., 24(5), 670–681.

#### Current Literature Review Sources

#### Published Literature

#### References:

- Shah, S. H., Anjum, I., & Majeed, T. (2021). Estimation of mercury and hydroquinone content in skin whitening creams and the potential risks to the health of women in Lahore, Pakistan. Journal of Pakistan Association of Dermatologists, 31(1).
- Sulistyarti, H., Utama, M. M., Fadhila, A. M., Cahyaningrum, A., Murti, R. J., & Febriyanti, A. (2023). Green synthesis of silver nanoparticles using Coffea canephora fruit skin extract and its application for mercury detection in face cream samples. Analytical Sciences, 39(3), 335-346.
- Sultan, A., Mamankar, D., Thakare, S., Rojekar, A., & Jamale, T. (2023). Mercury-associated neural epidermal growth factor-like 1 protein (NELL-1) positive membranous nephropathy after use of skin lightening creams. Clinical Toxicology, 61(5), 387-391.
- Sun, S., Chang, J., Jiang, X., & Gu, H. (2022). Irritant contact dermatitis caused by cosmetics containing excessive mercury. Journal of Cosmetic Dermatology, 21(12), 6688-6690.
- Thanomsak, S., Kerdphon, S., Sirikulkajorn, A., Tuntulani, T., & Janrungroatsakul, W. (2024). A simple fluorescent "on-off-on" nanosensor based on nitrogen-doped carbon dots for selective detection of Hg2+ and thiamine. Optical Materials, 151, 115336.
- Uram E, Bischofer BP, Hagermann S. Market Analysis of Some Mercury Containing Products and Their Mercury-Free Alternatives in Selected Regions.; 2010.
- Voegborlo, R., Voegborlo, S., Buabeng-Acheampong, B., & Zogli, E. (2008). Total mercury content of skin toning creams and the potential risk to the health of women in Ghana. J. Sci. Technol., 28(1), 88–96. https://doi.org/10.4314/just.v28i1.33081.
- Vrdoljak, G., Palmer, P., Jacobs, R., Moezzi, B., & Viegas, A. (2021). Comparison of XRF, TXRF, and ICP-MS Methods for Determination of Mercury in Face Creams. Journal of Regulatory Science, 9(2), 1-8.
- Wan Mohamed Radzi, C. W. J., & Nordin, F. N. M. (2022). Status of cosmetic safety in Malaysia market: Mercury contamination in selected skin whitening products. Journal of Cosmetic Dermatology, 21(12), 6875-6882.
- Wang, L., & Zhang, H. (2015). Mercury content in marketed cosmetics: analytical survey in Shijiazhuang, China. Cutan. Ocul. Toxicol, 34(4), 322–326. PMID: 25594253, https://doi.org/10.3109/15569527.2014.994123.
- Yang, H.-H., Chen, P.-Y., Ho, P.-H., & Shih, Y. (2014). Direct Analysis of Mercury in Cosmetics Using Screen-Printed Silver Electrodes and Flow Injection Analysis. J. Electrochem. Soc., 161(6), B137–B142. https://doi.org/10.1149/2.057406jes.
- Yang, J., Feng, L., Liu, J., Li, S., Li, N., & Zhang, X. (2024). DNA-mediated charge neutralization of AuNPs for colorimetric sensing of Hg2+ in environmental waters and cosmetics. Sensors and Actuators B: Chemical, 398, 134697.
- Zainy, F. M. (2015). Determination of Heavy Metals in 16 Bleaching Creams and 3 Mixtures of Bleaching Creams from Local Market of Jeddah. Egypt. J. Chem., 58(3), 377–386. https://doi.org/10.21608/EJCHEM.2015.1020.

#### **UPDATES FROM THE STAKEHOLDERS**

Antigua and Barbuda update on the Draft Regulation on restricting SLPs and other chemicals in cosmetics

## Regulating and Monitoring Skin Lightening Products (SLPs): Antigua and Barbuda Update on the Draft Regulation on Restricting SLPs and other Chemicals in Cosmetics

Presented by: Ms Jahrika Samuel Dr Linroy Christian

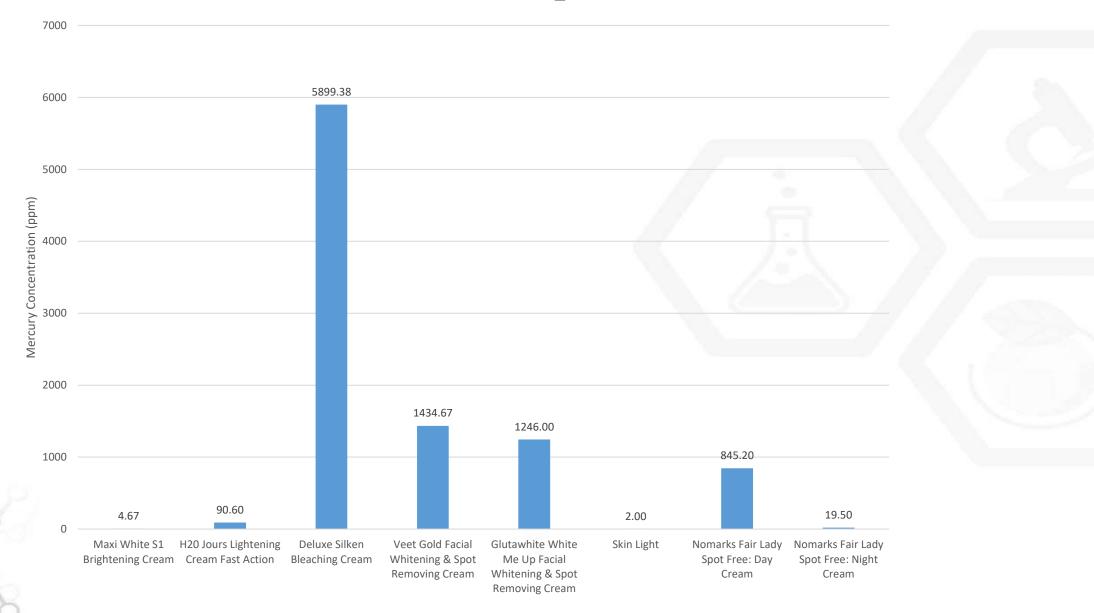
21 May 2024



## The Initial Study

- In 2021, in compliance with Article 4 of the Minimata Convention, the Department of Analytical Services (DAS), in collaboration with Biodiversity Research Institute (BRI) Integrated Health Outreach (IHO), commenced the sampling and testing of skin lightening creams available in Antigua and Barbuda.
- Ninety-eight (98) skin lightening creams were sampled within Antigua.
- An additional forty-one (41) other SLP, comprising of lotions, soaps and gels, were also sampled.

## **Notable SLPs Screening Results**



## International Collaboration

- In collaboration with European Environment Bureau and the Zero Mercury Working Group, sampled and tested thirty-one (31) skin lightening creams under the Mercury Added Products Project.
- These products were procured from Mexico, Brazil and online from Amazon and eBay.
- Thirteen (13) samples were > 1 ppm
- Eleven (11) samples > 1000 ppm

## Illegal Trafficking

- Confiscation of consigment of mercury regional air carrier
  - Crudely transported is used vitamin bottle
  - Transportation with strong oxidizing compounds
- Safety concerns
- Customs and Border concerns
- Use of mercury in traditional practices
  - Current exemption in Annex A and relatedness to illegal trafficking

## The Trade In Mercury-added Cosmetics Regulations

- The findings of the studies were submitted to the Pesticides and Toxic Chemicals Control Board for Consideration.
- Draft Regulations were formulated in collaboration with Zero Mercury Working Group.
- PTCCB accepted the draft Regulations decided to review and amend for incorporation into the Pesticides and Toxic Chemicals Act, 2008,
- The regulations comprise of six (6) main parts
- Part 1: Interpretation
- Part 2: Prohibition
  - Any person who wishes to make trade in mercury-added cosmetics must hold a licence under these regulations issued by the Pesticides and Toxic Chemicals Control Board (PTCCB)
- Part 3: Licences
  - Application
  - Scope and Obligations of Licence Holders
  - Refusal

## **Update on Draft Mercury Regulation**

- Part 4: Testing Requirements
  - Certificate of Analysis shall be provided by a laboratory approved by the Board.
- Part 5: Maintenance of Registers
  - Register of Licence Holders
  - Register of Approved and Prohibited Mercury Added Cosmetics
- Part 6: Penalty
  - Tiered approach to penalties
- Current Status: Pending final review by the Pesticides and Toxic Chemicals Control Board for onward submission to the Minister to sign into Law.
- The announcement of the impending regulation has drawn minor negative feedback.
- There is general support for the restriction of SLPs

## Interim Measures to Regulate SLPs

- Collaboration with the Directorate of Pharmaceutical Services
  - Products noted to be high in mercury content have been restricted at the ports as an interim measure.
  - The Director of Pharmaceutical Services submits samples periodically for analysis
  - Retailers have not challenged current restrictions
- Pending consultation with the Antigua and Barbuda Pharmacy Council
  - General discussion on mercury added cosmetics
  - Discussion on other ingredients in SLPs and their further regulation
- The Customs and Excise Division are sensitized, but further consultation is required



# Thank you



Mercury in SLPs: Update on the Global challenges and response measures EEB/ZMWG



GLOBAL MERCURY PARTNERSHIP

## Mercury in SLPs: Update on the Global challenges and response measures

Second meeting of the Eliminating Mercury Skin Lightening Products project stakeholder group Minamata 21 May 2024 14h00-16h00 CEDT

Elena Lymberidi-Settimo / Michael Bender Global Mercury Partnership Product Area Co-leads Zero Mercury Working Group





- <u>EUROPE</u>- European Environmental Bureau, Belgium
- ASIA- BAN Toxics, the Philippines; Center for Public Health and Environment, Nepal; Earth, Thailand; Environmental and Social Development Organization, **Bangladesh**; NEXUS3Foundation, Indonesia; Toxics Link, India
- <u>AMERICAS</u>- Casa Cem, <u>Mexico</u>; Mercury Policy Project & WE-ACT, United States; Integrated Health Outreach (IHO), Antigua and Barbuda; Toxisphera Environmental Health Association, Brazil
- AFRICA- Bio Vision Africa, Uganda; Center for Environment Justice and Development, Kenya; Centre Africain pour la Santé Environnementale, Cote d'Ivoire; groundWork, South Africa; Sustainable Research and Action for Environmental Development, Nigeria





## **ZMWG Skin Lightening Campaign Partners**



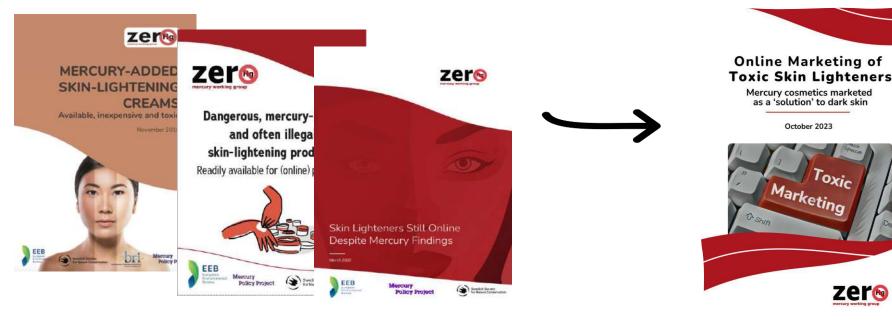
## Overview

- Mercury-added skin lightening products (SLPs) are a global health crisis, often results from colorism
- Multidimensional and transboundary challenges
- Given the Minamata Convention ban on mercury SLPs, it's imperative to:
  - Enhance awareness of the hazards of toxic SLPs
  - Curtail (on-line) sales, marketing and merchandising
  - Spur interagency collaboration as well as regional and global coordination
  - Regulate and restrict trade of mercury compounds





#### GLOBAL MERCURY Evidence Gathered by the ZMWG Campaign PARTNERSHIP



## Global samplings in 2017- 2018, 2019 & 2022:

- Surveyed local markets and then online sales
- 775 products tested, engaging multiple NGO partners from around the globe
- 33% (256) with mercury over 1 ppm

#### Fourth global sampling in 2022-2023:

- Focus on online platforms
- 213 products tested from 23 platforms
- 90% (191) of the products (60 different brands) had mercury above 1ppm.



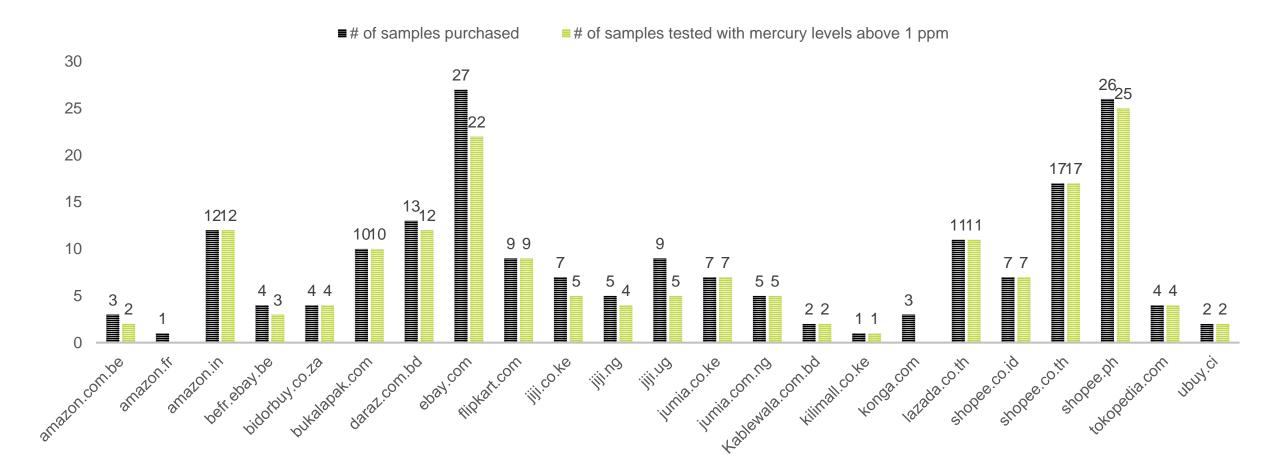
#### **EIA investigation 2023**

- Mercury compounds added in SLPs
- Production in Thailand, Jamaica, and Pakistan
- Intermediary transit ports in Spain, UAE, and USA.





#### High-Mercury vs. total SLPs purchased on e-commerce (Oct 2023)







## Challenges- Global level

#### Toxic SLP [online] trade continues:

- Illegal production and trade
- Clear lack of online accountability
- Non-domestic online sellers evade domestic laws
- Violations of consumer, health & safety laws
- Online platform liability reform necessary

#### Country of origins:

 from Pakistan (34%), Thailand (17%) and China (13%),



- 13 other countries to a lower extend
- Unknown origin for 16% of them



Misleading packaging and/or inaccurate information (e.g. Arché Formula AA Pearl Cream)









## Gaps, Challenges & Response Measures (1)

#### Regulations

- Legal gap analysis
  - List of allowed/banned ingredients
  - Labelling Requirements



Advisories, Detention lists for noncompliant products:

- National Detention list/advisory
- Regional advisory/alert system



#### **Enforcement /Inspections**

- Clear mandates/responsibilities (e.g. inspect (in)formal companies, unannounced, production /storage /vehicles, samples, photos, report to police
- Formalised inspection programme
- Capacity building



#### **Penalties and sanctions**

Types / level of penalties



#### Licensing and product ingredient approvals

- Licensing of manufacturers
- Approval of ingredients used



\*\*\*\*\*\*\*\*\*

#### Advertising / Display and Marketing:

- National advertising/display restrictions
- Marketing restrictions





## Gaps, Challenges and Response Measures (2)



#### Data collection

- Sources to act upon (e.g public, academia)
- Screening verification techniques (e.g. ingredients list, XRF, AAS)
- Accredited labs

#### **Raising Awareness**

- Initiatives to inform regulatory/enforcement agents, health professionals, consumers
- Collaboration with academia, health professionals, CSOs

**M**M

## Intergovernmental and Interregional cooperation

- Mandates and responsibilities defined nationally
- Lead ministry, coordination role
- Police, customs mandates
- International/regional collaboration
- Harmonisation of laws, labelling, regulations, alerts systems



Online commerce and voluntary product safety pledges (PSP)

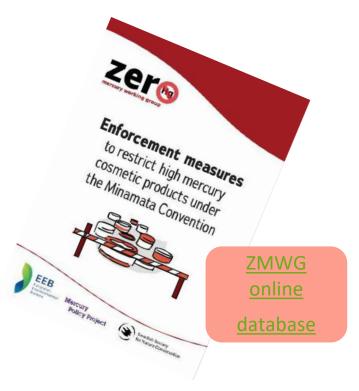
- Digital services related regulations
- Government's establish PSP structure
- Online platforms voluntarily agree to several commitments





## Thank you!







Our campaign page:

https://www.zeromercury.org/mercury-added-skin-lightening-creams-campaign/



Consumer product safety pledges – policy guidance, OECD



# **Product Safety Pledges**

## Eliminating Mercury Skin Lightening Products project stakeholder group

21 May 2024 / Jan Tscheke (OECD)



#### Background: Product safety @ OECD/CCP/WPCPS











OECD Communiqué and Policy Guidance on Product Safety Pledges

## Four key commitments:

- > Detect & prevent the sale of unsafe products
- > Co-operate with consumer product safety authorities
- > Raise consumer product safety awareness amongst third party sellers
- > Empower consumers on product safety issues



https://www.oecd.org/digital/consumer/communique-product-safety-pledges.pdf

#### https://globalrecalls.oecd.org/#/

#### Key facts Creation 19 October 2012 > (major revisions: 2015/16) Objective > Bringing together information on product recalls from around the world >

Scope >

•

•

>

>

- Voluntary & mandatory recalls
- Product scope depending on authorities' mandate

#### Key figures

- > 43.000 recalls
- > 50 jurisdictions (origin of recall)
- > 100 manufacturing economies (product origin)
- > 35 product types

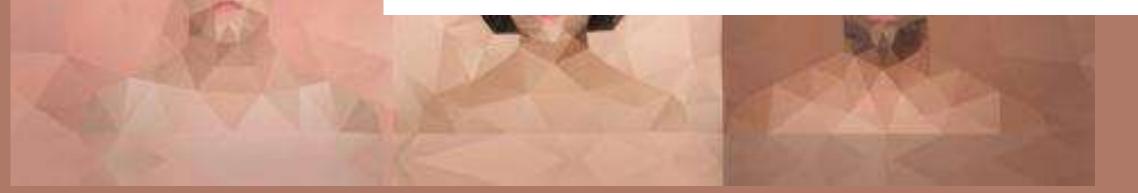
#### **OECD GlobalRecalls portal: Searching for "Mercury" in Beauty/Personal Care**

	BETTER POLICIES I	DECD FOR BETTER LIVES	RSS Administration English Français 日本語 Español 한국어 The GlobalRecalls portal brings together information on product recalls being issued around the world, on a regular basis, together in one place - on an OECD platform. The portal includes information on mandatory and voluntary consumer product recalls which were issued by a governmental body and were made publicly available. Home The portal - Dashboard		
		onal Care/Hygien			× Search
Records found: 57	Date	Picture	Product name 🗸 🔨	Economy of recall 🗸 🔨	Economy where may
Category: Beauty/Personal Care/Hygiene × Clear all filters: ×	2023-08-30	The same	Skin lightening cream ; AQSA Cosmetics ; Taryak cream beauty & freckle	Sweden	Pakistan
Category	^				
Beauty/Personal Care/Hygiene	57 2023-08-25		Skin lightening cream ; Unknown ; Super White Beauty Cream	Sweden	Pakistan
Economy of recall	2023-08-01		Skin lightening cream ; Golden Pearl ; Beauty Cream	Austria	Pakistan
Economy where made	₹ 2023-00-01		Skin ightening a carr, dolder rear, beauty cream	Additio	Paristan
Concepts from query	2023-07-06		Skin lightening cream ; Unknown ; Natural Face Beauty	Sweden	Pakistan
Best tags	¥	1	Cream		
Date	2023-07-06		Skin lightening cream ; Dona White ; Extra Whitening Lotion	Sweden	Italy
Start date ~ End date	2023-07-06	5	Skin lightening cream ; Sheesha ; Sheesha Beauty Cream	Sweden	<unknown></unknown>

# Thank you!



#### Interactive session: Global communication needs and opportunities



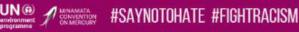
## Tackling Mercury Pollution and Racial Discrimination jointly

Spread the word: share our key messages #SayNoToHate #FightRacism #MercuryFreeCosmetics

> True radiance comes from within, not from mercury.

UN ( SOME STATES STATES

Brightness is not in your skin, brightness is who you are.



# Skin lightening products contain toxic components: spread the word, share our social media cards!



#### POTENTIALLY HARMFUL INGREDIENTS

#### MERCURY

It is used to block the production of melanin, leading to lighter skin tones.

#### Effects:

- Kidney and liver damage
- Neurological problems
- Developmental issues in children



# Skin lightening products expose communities to mercury: spread the word, share our social media cards!





Mercury in skin lightening products can evaporate into the ambient air of a home.

If inhaled, it passes through the brain and placenta, posing a risk for pregnant women and developing fetuses.

# What channels/platforms could be used to convey our message (e.g. media campaigns, beauty/fashion shows etc.)

22 responses

#### Media campaigns

Possible engagement of a relevant social media beauty influencer to 'champion' the cause. Eg. Unfair and lovely campaign

internet, apps, social

Multiple channels based on target audience and numbers to reachout.

Use of local languages in all mediums

Working through Seller organizations Working with celebrities, make them as ambassadors against mercury added products.

Funding short form videos to be made by media savvy groups to be posted on platforms such as TikTok for education Examples

Mentimeter



#### Mobile app



Children book

# In one sentence, what would be your message to eliminate Hg containing cosmetics?

25 responses

Organise International poisoning prevention campaigns (ex: WHO campaign on lead)	Enjoy your own skin color	Multi pronged strategy informed by community	Black is beautiful	
	Magic white Death Trap	experience that scales from grassroots to global vs top down	For your good health don't bleach /lighten your skin	
Le mercure est dangereux pour la santé	Focus on community healing messages and building their self-esteem.	Healthy look is nature's look	All skin tones are equally beautiful	
Respect nature, she needs you in all colors	I am black and I am proud	Colour of beauty is the colour you are born with	BanMercury	

0.

# WE WANT TO HEAR FROM

#### Go to **www.menti.com**

#### and use the code 9354 6225

#### WAY FORWARD









## **THANK YOU**

Contact us malgorzata.stylo@un.org imelda.dossouetui@un.org



