

Chemicals and Waste Issues of Concern: Tackling Future Priorities

15 JUNE 2023 | 13:00 - 14:30 CEST | IEH II & ONLINE

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UNEA RESOLUTION ON SOUND MANAGEMENT OF CHEMICALS AND WASTE

UNITED
NATIONS



United Nations
Environment Assembly of the
United Nations Environment
Programme

EP

UNEP/EA.5/Res.7

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United Nations Environment Assembly of the
United Nations Environment Programme
Fifth session
Nairobi (hybrid), 22 and 23 February 2021
and 28 February–2 March 2022

Resolution adopted by the United Nations Environment Assembly on 2 March 2022

5/7. Sound management of chemicals and waste

The United Nations Environment Assembly,

Recognizing that the achievement of the Sustainable Development Goals is threatened by an array of escalating and mutually reinforcing environmental risks, and that, given the linkages between climate change, loss of biodiversity, land degradation, and air, water and soil pollution, it is essential to address these problems in an integrated manner consistent with the mandates and priorities of existing multilateral environmental agreements,

Emphasizing the cross-cutting relevance of the sound management of chemicals and waste to many of the goals and targets of the 2030 Agenda for Sustainable Development, including for human health, sustainable consumption and production patterns, climate change and biodiversity,

UNEP/EA.5/RES.7

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SPEAKERS

By order of intervention.



**Sheila
AGGARWAL-KHAN**



Director, Industry and Economy Division,
UN Environment Programme



Bob DIDERICH



Head of Division, Environment Directorate,
Organisation for Economic Cooperation
and Development



Bernardo ROCA-REY



Minister-Counsellor, Permanent Mission of Peru
to the international organizations in Geneva |
Responsible for Health & Environment



Ahmad ANSARI



Partnerships Director, The ZDHC Foundation



Michel TSCHIRREN



Waste and Chemicals Focal Point, Federal
Office for the Environment, Switzerland



**Vuttichai
KAEWKRAJANG**



Director, Hazardous Substances Sub-division,
Waste & Hazardous Substances Management
Division, Pollution Control Department, Thailand



Juergen HELBIG



International Chemicals Policy Coordinator,
Safe and Sustainable Chemicals Unit, DG
Environment, European Commission



John ROBERTS

Senior Consultant



Ludovic BERNAUDAT



Head of Knowledge and Risk Unit, UN
Environment Programme



Melissa WANG



Senior Scientist, Greenpeace International
and Honorary University Fellow, University
of Exeter



Kei OHNO WOODALL



Senior Programme Management Officer,
Basel, Rotterdam and Stockholm
Conventions Secretariat



Manal AZZI



Team Lead on Occupational Safety and
Health, International Labour Organization |
Moderator

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Technical Information

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- Automatically translated subtitles in many languages are available through the captions button on the bottom left of your screen
- The recording, summary and documents will be made available on the event's website

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Chemicals and Waste Issues of Concern: Tackling Future Priorities

AGENDA

Moderated by Manal AZZI | Team Lead on Occupational Safety and Health, ILO

Opening

- Sheila AGGARWAL-KHAN | Director, Industry Economy Division, UNEP
- Michel TSCHIRREN | Waste and Chemicals Focal Point, Federal Office for the Environment, Switzerland

Overview of Consultation Process | Chemicals and Waste Issues of Concern

- Ludovic BERNAUDAT | Head of Knowledge and Risk Unit, UN Environment Programme

Panel I - Prioritizing Issues of Concern: Which of these are critical to address now?

- Bob DIDERICH | Head of Division, Environment Directorate, Organisation for Economic Cooperation and Development
- Vuttichai KAEWKRAJANG | Director, Hazardous Substances Sub-division, Waste and Hazardous Substances Management Division, Pollution Control Department, Thailand
- Melissa WANG | Senior Scientist, Greenpeace International and Honorary University Fellow, University of Exeter

Panel II - Tackling Issues of Concern: Which of these are most actionable?

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Closing

- John ROBERTS | Senior Consultant
- Sheila AGGARWAL-KHAN | Director, Industry Economy Division, UNEP

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Manal AZZI

Team Lead on Occupational Safety and Health, International Labour Organization | Moderator



International
Labour
Organization

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Opening

CHEMICALS AND WASTE ISSUES OF CONCERN: TACKLING FUTURE PRIORITIES | 15 JUNE 2023 | 13:00 - 14:30 CEST

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Sheila AGGARWAL-KHAN

Director, Industry and Economy Division,
UN Environment Programme



Photo by IISD/ENB | Diego Noguera

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Michel TSCHIRREN

Waste and Chemicals Focal Point, Federal Office for the Environment, Switzerland


 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

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OVERVIEW OF CONSULTATION PROCESS

Chemicals and Waste Issues of Concern

CHEMICALS AND WASTE ISSUES OF CONCERN: TACKLING FUTURE PRIORITIES | 15 JUNE 2023 | 13:00 - 14:30 CEST

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Ludovic BERNAUDAT

Head, Knowledge and Risk Unit, UN Environment Programme



Photo © Crozet - Pouteau - Albouy / ILO

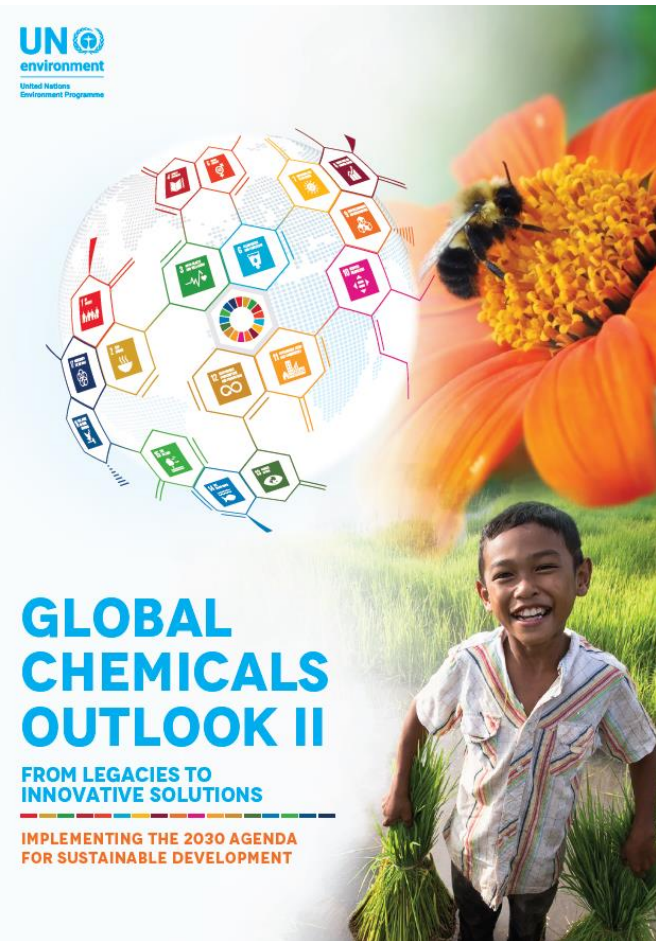
CHEMICALS AND WASTE ISSUES OF CONCERN: TACKLING FUTURE PRIORITIES | 15 JUNE 2023 | 13:00 - 14:30 CEST

Chemicals and Waste Issues of Concern: Tackling Future Priorities

Jacqueline Alvarez
Chief, Chemicals and Health Branch
UNEP

15 June 2023

The **global goal** to minimize adverse impacts of chemicals and waste **will not be achieved by 2020**. Solutions exist, but more ambitious worldwide action by all stakeholders is urgently required.



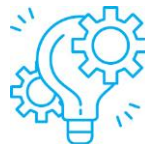
4. Benefits of action



5. Progress of International treaties and voluntary instruments has been uneven

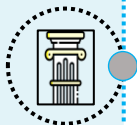


7. Significant resources can be saved by sharing knowledge



10. Global knowledge gaps can be filled

March 2019



**UNEA
Resolution
4 / 8**

The Resolution

**Welcomed the
publication of Global
Chemicals Outlook II**

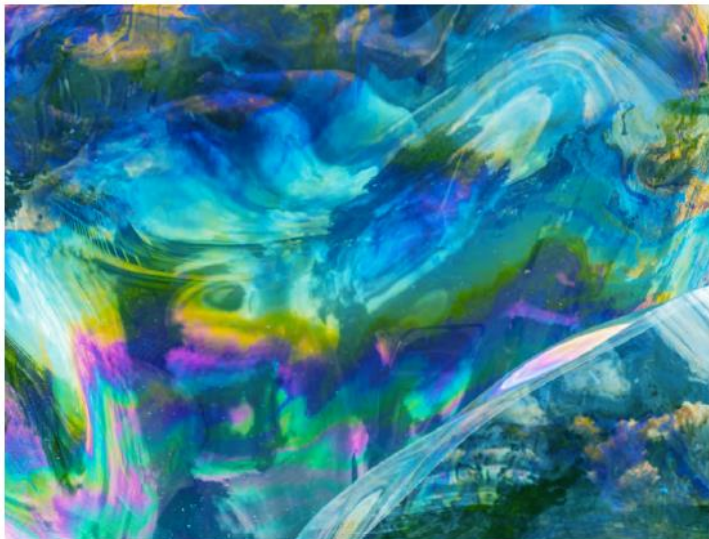
The Resolution Request UNEP to...

- Sub paragraph (e): Follow trends in the design, production, use and release of chemicals and the generation of waste in order to identify issues of concern for future editions of the Global Chemicals Outlook and the Global Waste Management Outlook and catalyse sound management actions;
- "Prepare, by 30 April 2020, a report on matters in which emerging evidence indicates a risk to human health and the environment, identified by the Strategic Approach to International Chemicals Management, the Global Chemicals Outlook and under subparagraph (e) above, including an analysis of existing regulatory and policy frameworks and their ability to address those matters in the achievement of the 2020 goal, in particular for lead and cadmium"

Issues of concern from the Assessment report

An Assessment Report on Issues of Concern: Chemicals and Waste Issues Posing Risks to Human Health and the Environment

September 2020



Chapter 3 – Issues of Concern under SAICM	Chapter 4 – Issues of Concern identified by GCO-II
1. Chemicals in products (CiP)	1. Arsenic
2. Endocrine-disrupting chemicals (EDCs)	2. Bisphenol A (BPA)
3. Environmentally persistent pharmaceutical pollutants (EPPPs)	3. Cadmium
4. Hazardous substances within the life cycle of electrical and electronic products (HSLEEP)	4. Glyphosate
5. Highly hazardous pesticides (HHPs)	5. Lead
6. Lead in paint	6. Intentionally Added Microplastics in Products
7. Nanotechnology and manufactured nanomaterials	7. Neonicotinoids
8. Per- and polyfluoroalkyl substances (PFASs) and the transition to safer alternatives.	8. Organotins
	9. Phthalates
	10. Polycyclic aromatic hydrocarbons (PAHs)
	11. Triclosan

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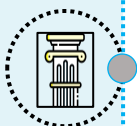
September 2020



IoCs under SAICM		IoCs identified by GCO-II
Endocrine Disrupting Chemicals (EDCs; Section 3.2)	←	Bisphenol A (BPA; Section 4.2)
	←	Organotins (Section 4.8)
	←	Phthalates (Section 4.9)
	←	Triclosan (Section 4.11)
Highly Hazardous Pesticides (HHPs; Section 3.5)	←	Arsenic (Section 4.1)
	←	Glyphosate (Section 4.4)
	←	Neonicotinoids (Section 4.7)
Chemicals in Products (CiP; Section 3.1)	→	All issues
Hazardous Substances within the Life Cycle of Electrical and Electronic Products (HSLEEP; Section 3.4)		Arsenic (Section 4.1)
	→	Cadmium (Section 4.3)
		Lead (Section 4.5)
		Phthalates (Section 4.9)
Lead in Paint (Section 3.6)	→	Lead (Section 4.5)

- established link of the chemical to the target issue;
- established link of a subset of chemicals or uses to the target issue;
- possible link for all uses of the chemical(s) to the target issue based on established scientific evidence, but no official identification yet

March 2019



**UNEA
Resolution
4 / 8**

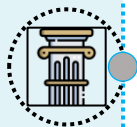
The Resolution

Welcomed the publication of Global Chemicals Outlook II

The Resolution Request UNEP to...

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March 2022



**UNEA
Resolution
5 / 7**

Welcomed the Issues report, urged member states and invited other stakeholders to take further action.

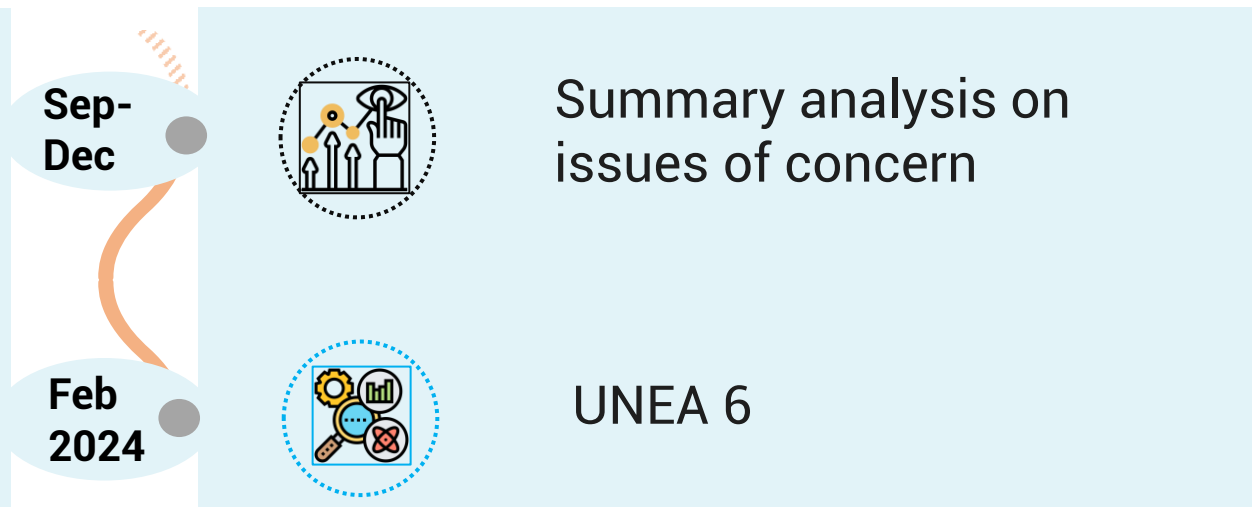
- Seek views from Member States and other stakeholders, while ensuring sufficient time for their consideration, on priorities for further work, building on existing measures and initiatives, and on potential further international action on the issues discussed in the *Assessment Report on Issues of Concern*, and in particular on those issues identified in the *Global Chemicals Outlook II* and
- to prepare a summary analysis, taking into account the views received for consideration by the Environment Assembly and by other international bodies, including the International Conference on Chemicals Management, as appropriate

Consultation process to address the UNEA resolution 5/7

Timeline



Timeline cont.



Available resources online

- [Assessment Report on Issues of Concern + Annexes](#)
- [Catalogue of International Actions on Chemicals and Waste](#)
- [Fact sheets on Issues of concern](#)
- [SAICM Survey on emerging policy issues and other issues of concern](#)

The 19 Issues of Concern

Issues of Concern under SAICM	Issues of Concern identified by GCO-II
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PANEL I: PRIORITIZING ISSUES OF CONCERN:

**Which of these are critical
to address now?**

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DES POLITIQUES MEILLEURES POUR UNE VIE MEILLEURE



Bob DIDERICH

Head of Division, Environment Directorate,
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and Development



IOMC



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Vuttichai KAEWKRAJANG

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Prioritizing Issues of Concern: Which of these are critical to address now?

Waste and Hazardous Substances Management Division,
Pollution Control Department, Thailand



Prioritizing Issues of Concern: Which of these are critical to address now?

- UNEP Assessment Report on Issues of Concern: Chemicals and Waste Issues Posing Risks to Human Health and the Environment
- Highlighting our “Issues of Concern”
 - chemicals in products (CiP)
 - hazardous substances in the life cycle of electrical and electronic products (HSLEEP)



BCG model

Agriculture

BCG-Naga Belt Road

- Uplevel quality of life of 3,000 agriculturists in 4 provinces
- Sticky rice products > 40 products

Thung Kula Ronghai

- Uplevel rice production of 5,197 agriculturists in 5 provinces
- Value-added rice processing 17.6 times
- Combine local identity with STI



Innovative Industry

Biorefinery Pilot Plant at EECi

- Modify biomass to high-valued products, eg. Biomaterials, biological chemicals and nutraceuticals

BOI

- The total value of BCG investment applications amounted to 640 billion baht (from 2017 to September 2022)

BCG-Finance & Green Finance

- Values > 1,500 billion baht (2022-2067 AD)



BCG in Action



Medical Hub

Medical Devices & Digital Platform

- Medical services accessibility increased

COVID-19 Vaccine

- Clinical trial phase & upscale to industrial scale

Genomic Thailand

- Increase efficiency in diagnosis, treatment & prescription

Active Pharmaceutical Ingredient (API)

- Co-investment between public & private sector



Tourism

Happy Model

- Promote high quality tourism & subordinate cities

Carbon Neutral Tourism

- Develop simple net carbon calculation for entrepreneurs, Hug Earth, Green Meeting

TAGTHAI

- One-stop service travel platform

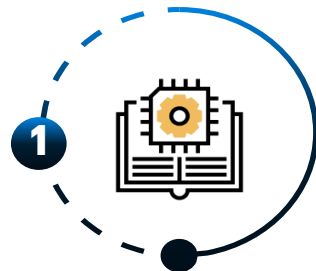


Action Plan on Solid Waste Management phase 2 (2022 - 2027)



กรมควบคุมมลพิษ
POLLUTION CONTROL DEPARTMENT

แผนปฏิบัติการด้าน
การจัดการขยะของประเทศ ฉบับที่ 2
(พ.ศ. 2565 - 2570)



Measure 1

Waste Management at Source

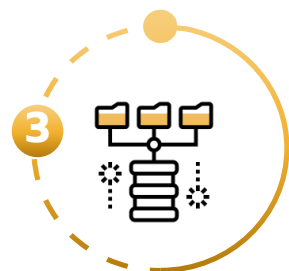
- Eco Design Environmentally friendly products.
- Extended Producer Responsibility. (EPR)
- Behavior and lifestyle changed.
- Develop a system or model that encourages people to separate waste at sources.



Measure 2

Increase efficiency on waste disposal system

- Promote and upgrade waste disposal sites.
- Encourage the private sector to invest in waste management.
- Strict control on waste disposal operations and including industrial waste disposal operations.
- Determine guidelines for new emerging waste management.



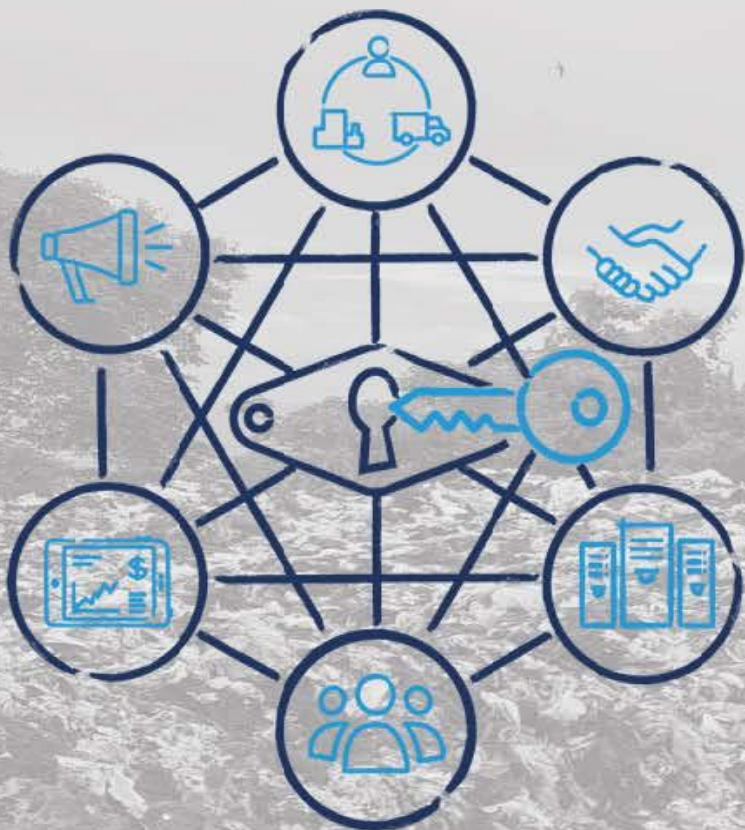
Measure 3

Development of Waste Management Tools

- Development of related laws promoting circular economy, especially EPR law.
- Driving legislation on management of electronic waste.
- Encourage all local governments to issue local ordinances for segregation at sources.
- R&D to support waste management.



The Cabinet acknowledged the plan
on 1 November 2022.



“ Together Possible ”
ถ้าร่วมมือกัน เราทำได้

Chemicals and Waste Issues of Concern: Tackling Future Priorities

AGENDA

Moderated by Manal AZZI | Team Lead on Occupational Safety and Health, ILO

Opening

- Sheila AGGARWAL-KHAN | Director, Industry Economy Division, UNEP
- Michel TSCHIRREN | Waste and Chemicals Focal Point, Federal Office for the Environment, Switzerland

Overview of Consultation Process | Chemicals and Waste Issues of Concern

- Ludovic BERNAUDAT | Head of Knowledge and Risk Unit, UN Environment Programme

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Melissa WANG

Senior Scientist, Greenpeace International |
Honorary University Fellow, University of Exeter

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CHEMICALS AND WASTE ISSUES OF CONCERN: TACKLING FUTURE PRIORITIES | 15 JUNE 2023 | 13:00 - 14:30 CEST

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Bernardo ROCA-REY



Minister-Counsellor, Permanent Mission of Peru to the international organizations in Geneva | Responsible for Health & Environment

Photo Credit: IISD/ENB - Kiara Worth

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Juergen HELBIG

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DG Environment, European Commission



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Kei OHNO WOODALL

Senior Programme Management Officer,
Basel, Rotterdam and Stockholm
Conventions Secretariat



Photo by IISD/ENB | Kiara Worth.

CHEMICALS AND WASTE ISSUES OF CONCERN: TACKLING FUTURE PRIORITIES | 15 JUNE 2023 | 13:00 - 14:30 CEST

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Ahmad ANSARI

Partnerships Director, The ZDHC Foundation

Ø ZDHC
Zero Discharge of
Hazardous Chemicals

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Sheila AGGARWAL-KHAN

Director, Industry and Economy Division,
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Photo by IISD/ENB | Diego Noguera

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THANK YOU!



**Sheila
AGGARWAL-KHAN**



Director, Industry and Economy Division,
UN Environment Programme



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Waste and Chemicals Focal Point, Federal
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Team Lead on Occupational Safety and
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Moderator

WHAT'S NEXT?

 genevaenvironmentnetwork.org



08 JUN 2023
**Environment @ 53rd
Session of the UN Human
Rights Council**

 Human Rights and Environment | Climate
 SDG13



**Green Summer in
Geneva 2023**
16 JUN - 15 SEP 2023
Geneva

 Nature | Science
 SDG11 | SDG17

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15 JUNE 2023 | 13:00 - 14:30 CEST | IEH II & ONLINE

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