

**Climate resilient and environmentally sustainable supply chains in the health sector
Expert Consultation**

**Centre International de Conférences de Genève (CICG), Rue de Varembe 9-11,
Geneva, Switzerland
2-4 October 2024**

Objectives

1. Foster a common understanding of the existing mechanisms, challenges and opportunities for the health sector to achieve climate resilient and environmentally sustainable health services and supply chains.
2. Identify strategies, tools and resources needed to support Member States to implement the health initiatives on climate resilient and low carbon, sustainable health systems' supply chain commitments, and the Global Framework on Chemicals for a planet free of harm from chemicals and waste on chemicals of concern in health care settings.
3. Share experiences and facilitate collaboration between and among international agencies, countries, health systems and other sectors for the implementation of climate resilient and environmentally sustainable health care and supply chains.

Outcomes

- a) Identify and prioritize key actions to achieve climate resilient, low carbon and environmentally sustainable health care and supply chains for implementation by health systems, international organizations, and the private sector.
- b) Identify opportunities for working together and enabling action on operationalizing sustainability considerations in the procurement and supply chain processes.
- c) Identify gaps, challenges and research needs for advancing a cohesive action to address climate resilient, low carbon and sustainable health care and supply chains, including low carbon, toxic and plastic pathways.
- d) Document and disseminate case studies, lessons learnt and good practices from country and partner experiences in reducing greenhouse gas emissions and chemicals of concern, including plastics from the health supply chain.

- e) Contribute to the development of a roadmap and key steps for the content of an implementation programme for the health sector as a key economic sector in the Global Framework on Chemicals for a planet free of harm from chemicals and waste.
- f) Support health decision-makers to develop action plans and indicators for climate resilient and environmentally sustainable health care supply chains in support of Universal Health Coverage.

Provisional Agenda

Day 1: Wednesday, 2 October

Morning session, 9.00 - 12.30

9.00 - 9.30 Welcome

Moderator: Angela Kastner, Director, Procurement and Supply Services

Speakers

- Ailan Li, Assistant Director General, Division of Universal Health Care /Healthier Populations, WHO
- Philippe Duneton, Executive Director, Unitaid
- Deusedit Mubangizi, Director, Health Policy Products and Standards, WHO
- Rogerio Gaspar, Director, Regulation and Pre-Qualification, WHO
- Angela Kastner, Director, Procurement and Supply Services, WHO

9.30 – 10.30 Opening session

The health and environmental impacts of the global supply chain

Moderator: Angela Kastner, Director, Procurement and Supply Services

Speakers

- Lesley Onyon, Unit Head Chemicals, WHO
- Diarmid Campbell – Lendrum, Unit Head Climate and Health, WHO
- Vincent Bretin, Director Results, Climate and Health, Unitaid

10.30- 11.00 Coffee break and group photo

11.00 – 12.30 Session 1: Panel discussions - Existing global initiatives and programmes

Panel 1: Leveraging WHO's mandate to integrate sustainability into the supply chain

Moderator: Marina Smelyanskaya, Team Lead, HIV and Health Group, ECA region, UNDP

Speakers

- WHO Procurement, Angela Kastner
- WHO Standard setting and technical specifications, Deusedit Mubangizi

- WHO Regulatory initiatives, Rogerio Gaspar
- Louis da Gama, Community representative, Unitaid Executive Board

Q & A**Panel 2: Global initiatives to integrate sustainability into the health supply chain**

Moderator: Diarmid Campbell-Lendrum, Unit Head Climate Change and Health

Speakers

- Lancet Commission on Sustainable Healthcare, Jodi Sherman
- UN Global Framework on Chemicals, Kay Williams
- Asian Development Bank, Dinesh Arora
- National Health Service, England, Katherine Calder
- Sustainable Markets Initiative, Aude Arkam
- Global Green and Healthy Hospitals, Health Care Without Harm, Diana Picon Manyari

Q & A**Day 1: Afternoon session: 13.30 – 17.30****13.30-15.30 Session 2: Sustainability in the health value chain: Procurement and supply chain management**

Moderator: Angela Kastner, Director, Procurement and Supply Services

Sustainability in the health value chain: Supply chain management**Speakers**

- Introduction to sustainable supply chain procurement, Angela Kastner, Procurement and Supply Services, WHO
- Health value chain: Technical specifications and standards, Adriana Velazquez, Health Policy Products and Standards, WHO
- Life Cycle Analysis standard setting, Courtney Soulsby, British Standards Institute
- **Case study:** Biomedical devices sustainability criteria for purchasing medical imaging devices (Medical Equipment Proactive Alliance of Sustainable Healthcare), Mellissa Nguyen, Vizient
- **Case study:** Good Manufacturing Practices, Aude Arkam, Sustainable Markets Initiative
- **Case study:** Life Cycle Analysis France country experience, Charles Flahaut, French Government

Q & A**Sustainability in the health value chain: Procurement****Speakers**

- Sustainable procurement in UN: Opportunities and challenges, Anne-Claire Howard, Director, Procurement UNOPS
- **Case study:** Implementing sustainable procurement, Marcus McKay, UNOPS

- Sustainable Health in Procurement Project successes & Sustainable Procurement Index Health, Ian Milimo, UNDP
- **Case study:** Sustainable public procurement, Pankaj Kumar, Head, Procurement and Stores, National Centre for Disease Control, India
- **Case study:** Setting priorities for sustainable procurement, Corentine Berthet, Médecins Sans Frontières
- Supplier Engagement: Issues, challenges and supplier perspectives toward the UN, Roberto Samayoa, Pan American Health Organization

Q & A

15.30 – 16.00 Coffee break

16.00-17.15 Parallel Sessions: Measuring and reducing climate and chemical footprints in health systems

Parallel session 1: Climate change and health

Moderator: Elena Villalobos, Climate change and health unit, WHO

Speakers

- Mapping carbon emissions at facility level for sustainable procurement, Miriam Kugele, Aga Khan University, Pakistan
- Reducing greenhouse gases from anaesthesia: nitrous oxide, Jonas Schwartzman, São Paulo Association for the Development of Medicine, Brazil
- Environmental footprint of the healthcare sector in the Netherlands, Susanne Waaijers-van der Loop, The Dutch Institute for Public Health and Environment, Netherlands

Parallel session 2: Chemicals and waste

Moderators: Susan Wilburn, Chemicals unit, WHO, and Tracey Easthope, HCWH

Speakers

- Global Framework on Framework Implementation Programme, Achim Halpaap, Senior Advisor, IOMC
- Chemicals of concern in the health sector, occupational and environmental health impacts, Susan Wilburn, WHO
- **Case Study:** European healthcare's Phase-Out List for chemicals of concern (EPOL), Maiken Pollestad Sele, Norwegian Hospital Procurement Trust, Norway
- **Case Study:** Substituting PVC/DEHP in medical devices, Switchmed, Ahmed Idhammad, University Hospital Marrakech, Morocco

17.15 - 17.30: Day 1 Closing: Rogerio Gaspar, Director, Regulation and Pre-Qualification, WHO

18.00-19.00: Reception

Day 2: Thursday, 3 October

Morning session: 9.00 - 12.30

Opening: Maria Neira, Director, Environment Climate Change and Health

9.00 10.30 Session 3: Plastics and health care – the intersection of climate and chemicals

Moderator: Damaris Carnal, Swiss Federal Office for Public Health

Speakers

- Health impacts of plastics, Sarah Dunlop, Minderoo Monaco Commission
- Plastic materials, labeling, traceability, packaging, recyclability, reusability, Jane Muncke, Food Packaging Forum
- **Case study:** Plastics in health products, lessons learned from plastic audits, Michelle Reyes, HCWH Southeast Asia
- Plastics reduction in packaging in pharma, International Federation of Pharmaceutical Manufacturers and Associations, Ya-Juin Chou
- Reusables vs single-use device and infection prevention and control, Jodi Sherman, Yale University, USA
- **Case Study:** Reusable respiratory masks, Dr. Ludwig Albornoz, Academic Director of the Department of Pathology and Clinical Laboratory of Fundación Valle del Lili, Colombia
- Plastics Treaty –Switzerland Ministry of Environment

10.30 – 11.00 Coffee Break

11.00 – 13.00 Session 4: Market shaping and innovation to advance climate resilient and environmentally sustainable supply chains

Panel 1: Policy and Standard Setting

Moderator: Clare Creo, Senior Advisor Polio Eradication Programme, WHO

Speakers

- Integrating sustainability into Target Product Profiles, Assessment of innovative technologies for low resource settings including regulations, HTA and HTM, local production and sustainability issues, Adriana Velazquez, WHO
- Health Technology Access Pool (HTAP), Cheleka Mpande, WHO
- Global Framework on Chemicals: Implementation programme on integrating chemicals and waste management in economic and industry sectors and value chains, Achim Halpaap, Expert Chemicals
- International environmental sustainability standards for hospitals, International Hospital Federation and Joint Commission International, Geneva Sustainability Institute, Sonia Roschnik
- **Case study:** Pre-commercial procurement (PCP case study), HCWH, Europe, Ali Fakih

Discussion

Panel 2 Market shaping

Moderator: Julien Pouille, Unitaid

Speakers

- Market shaping for environmentally sustainable supply chains, Ray Cummings, PATH
- **Case study:** Metered dose inhalers, health technology assessment, Katherine Calder, NHS, England
- **Case study:** Bednets and supplier engagement, Global Fund
- **Case Study:** Market transformation case study, furnishings, Tracey Easthope, USA
- Challenges and opportunities for the integration of sustainability into procurement towards market transformation, Jean-Pierre Amorij, UNICEF

Discussion

Day 2: Afternoon session: 14.00 – 18.00

14.00 - 15.00 Session 5: Climate resilient and sustainable supply chains

Moderator: Roberto Samayoa, PAHO

Speakers

- What climate resilience means for supply chains, Roberto Samayoa, PAHO
- Climate resilience through regional manufacturing initiatives, Robert Matiru, Unitaid
- Climate change and its impact on supply chain, Lisa Hedman, WHO Procurement
- COVID19 and waste management, Ute Pieper, WHO
- **Case study:** Procurement for waste reduction, the management of health care waste and addressing climate risk. Azeeza Rangunwala, groundwork, South Africa

15.30 - 17.30 Session 6: World Café- presentation of tools and resources for sustainable supply chains

15.30 - 16.30 Part 1: 6 stations:

- ATACH Community of Practice, Olena Zotova, WHO
- Sustainable Procurement Index Health, Ian Milimo, UNDP/HCWH
- WHO Chemicals Roadmap, Virunya BHAT, WHO
- Environmental footprint of healthcare sector in the Netherlands, Susanne Waaijers-van der Loop, RIVM
- Carbon footprinting for health facilities, Miriam Kugele, Aga Khan University
- National Pollutant Release and Transfer Registers (PRTRs), Oliver Wootten, UNITAR

16.30 - 17.30 Part 2: 6 stations:

- National Health Service, Roadmap, Katherine Calder, NHS, England
- Tools for carbon footprinting for the health systems, Diana Picon Manyari, HCWH
- Life cycle analysis, Courtney Soulsby BSI and SMI
- Globally harmonized system for classification and labeling of chemicals, Jorge Ocana, UNITAR,

- Health care waste treatment technology selection guide, Ute Pieper, WHO
- Guiding elements of a chemicals & waste strategy, Achim Halpaap, Senior Advisor, IOMC

17.30 – 18.00: Day 2, Closing: Maria Neira, Director, Environment Climate Change and Health

Day 3: Friday, 4 October

Morning session: 8.30 - 12.30 Working Groups

Developing implementation plans for climate resilient and environmentally sustainable supply chains within the health sector

Working group 1: Implementation programme for the health sector value chain for Global Framework on Chemicals for a planet free of harm from chemicals and waste

Lead: WHO

- Developing the health sector implementation programme for the Global Framework on Chemicals for a planet free of harm from chemicals and waste

Working Group 2: Interagency collaboration on sustainable practices within health supply chains

Lead: WHO, UNDP and UNITAID

- Developing an inventory of existing policies and practices within the international community that support environmentally sustainable health supply chains.
- Enhancing cross collaboration between buyers of health products on sustainable procurement standards and criteria (based on Alliance for Transformative Action on Climate and Health (ATACH) priorities)
- Brainstorming the key building blocks of the roadmap for low carbon/resilient supply chains Roadmap development/Action planning

12.00 – 1.00 pm: Closing- WHO and UNITAID