



E-WASTE ACADEMY 2022 – MANAGERS EDITION (EWAM) PROGRAM

This EWAM aims to contribute to better-informed decision-making on priorities for sustainable e-waste management systems, fostering cooperation at the national, regional, and global levels.

Dates & venue:

Date: 23-26 of May 2022

Venue: This EWAM will be held in a virtual format on the Zoom platform. Participation is open and free and simultaneous translation in English and Spanish will be provided throughout.

DAY 1 – SETTING THE FRAMEWORK– AN INTRODUCTION TO OPERATIONAL AND TECHNICAL ASPECTS

The main objective of the day is to provide participants with the basic foundations and principles of e-waste management on which to build other aspects such as collection, recycling technology and financing etc. With their different backgrounds, all participants should be aligned on the basic principles. In addition, a short overview of the PREAL project's activities and development in 13 countries in Latin America will be provided. Furthermore, a panel discussion will be held with the aim of illustrating the challenges/opportunities women experience when dealing with environmental issues and e-waste management.

DAY 2 –TRANSBOUNDARY MOVEMENTS OF E-WASTE IN THE REGION AND AT GLOBAL LEVEL

The main objective of the day is for participants to develop a comprehensive knowledge of the Basel Convention on the control of transboundary movements of e-waste and hazardous wastes and their disposal (main objectives, definitions, provisions etc.). Key existing procedures and technical guidelines related to transboundary movements of e-waste will be showcased, as well as insights into the current situation in the Latin American region. Furthermore, the results of StEP LAC's work on transboundary movements will provide a brief insight into the views of waste pickers and governments in Latin America. Additionally, examples of e-waste management experiences involving vulnerable groups operating informally will be provided, illustrating the challenges and opportunities. Moreover, a panel discussion will broaden the knowledge of participants on the different e-waste research activities universities are currently carrying out and where possible synergies could be created.

DAY 3 – OPERATIONAL ASPECTS OF RECYCLING COMPANIES

The main objective of the day is to provide participants with a set of technical and operational tools related to e-waste recycling systems. In addition, guidance on how to audit recycling companies will be provided, using a practical example. Furthermore, regional experiences of the co-processing of plastics containing hazardous substances will be explored. Finally, insights into the effects of e-waste exposure on child health and an overview of the challenges and opportunities of e-waste employment in Panama and Bolivia will be presented.

DAY 4 – ROADMAP FOR A REGIONAL STRATEGY ON CIRCULAR ECONOMY

The main objective of the day is to provide participants with insights into the challenges and opportunities producers face in the region and an overview of the Circular Economy in electronics in Latin America. Additionally, participants will be provided with an overview of Digital product passports and an understanding of the relevance of their implementation in order to promote a national circular economy, the traceability of materials, transparency in the value chain, and the use of secondary raw materials, and to empower consumers.



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May 23: Day 1 – Setting the Framework – Introduction to operational and technical aspects		
CET	Colombia	
15:00-15:30	08:00 – 08:30	<p>1. Opening Ceremony Opening remarks from Nilgün Tas, Programme Deputy Director of UNIDO's Department of Environment and Head of UNIDO's Industrial Resource Efficiency Division, Angus Mackay, Director, UNITAR Planet Division María Neira, Director, Public Health, Environment and Social Determinants of Health Department, World Health Organization and Adrián Peña, Minister of Environment of Uruguay.</p> <p>Agenda and setting the stage: Welcome and EWAM introduction Welcoming to EWAM 2022 and overview of the program – Alfredo Cueva (UNIDO) and Ruediger Kuehr (UNITAR) Master of Ceremonies: Keira Ives-Keeler (UNIDO)</p>
15:30-15:45	08:30 – 08:45	<p>2. PREAL project current situation – Carlos Hernández (UNIDO) This session will provide participants with an overview of the PREAL project's activities and development in 13 countries in Latin America.</p>
15:45-16:00	08:45 – 09:00	<p>3. Introduction from UNU/UNITAR - Setting the scene (basic concepts from topics we will be addressing) – Elena D'Angelo and Michelle Wagner (UNITAR) An introduction and overview of e-waste management will be provided, and basic concepts will be discussed.</p>
16:00-17:00	09:00 – 10:00	<p>4. Conditions for developing an Integrated WEEE Management – Lucía Herreras Martínez (WEEE Forum) This session will look into the main aspects of the e-waste management system (created conditions, legal framework, collection channel, awareness, financial mechanisms) and the set of conditions needed in order to achieve effective e-waste management in Latin America.</p>
17:00-17:15	10:00 – 10:15	Break
17:15-18:00	10:15 – 11:00	<p>5. Implementation of EPR models around the world: Europe – Lucía Herreras Martínez (WEEE Forum), LAC – Edgar Erazo (Eco-computo), North America - Jason Linnell (NCER). Presenters will discuss and provide an overview of the different models implemented worldwide, how EPRs were developed, challenges/barriers and opportunities.</p>
18:00-19:00	11:00 – 12:00	<p>6. Panel discussion: Gender and e-waste management – Cecilia Ugaz Estrada (UNIDO), Lucía Herreras Martínez (WEEE Forum), Vivian Ahiayibor (City Waste Recycling Limited) Moderator: Uca Silva This panel discussion will provide an overview of the challenges/opportunities women experience when dealing with environmental issues and e-waste management.</p>
19:00-19:15	12:00– 12:15	Wrap up and closing of DAY 1



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May 24: Day 2 –Transboundary movements of e-waste in the region and at global level		
CET	Colombia	
15:00–15:15	08:00 – 08:15	<p>1. Housekeeping, Summary of previous day and today’s agenda – Elena D’Angelo and Michelle Wagner (UNU/UNITAR)</p> <p>A summary of the previous day will be provided. In addition, housekeeping guidelines will be given to participants to ensure smooth participation. Moreover, the agenda will be provided to participants.</p>
15:15–16:00	08:15 – 09:00	<p>2. Results of the StEP LAC working group on Transboundary Movement (TBM) – Daniel Ott (RLG-Latino América)</p> <p>The results of StEP LAC’s work on transboundary movements will provide a brief insight into the views of waste pickers and governments on the current situation of transboundary movements in Latin America.</p>
16:00–16:15	09:00 – 09:15	Break
16:15–17:00	09:15 – 10:00	<p>3. Overview on the Basel Convention: a perspective on e-waste and the Latin America region – Elena D’Angelo (UNU/UNITAR), Leila Devia (BCRC), Marco Buletti (Ecopartner)</p>
16:15–16:25	09:15– 09:25	<p>a) Introduction to the Basel Convention – Elena D’Angelo (UNU/UNITAR)</p> <p>This session aims at providing a comprehensive overview of the Basel Convention on transboundary movements on hazardous waste (main objectives, definitions, provisions etc.).</p>
16:25–16:45	09:25– 09:45	<p>b) Application of the Basel Convention, ratification, and reporting in Latin America – Leila Devia (BCRC)</p>
16:45–17:00	09:45–10:00	<p>c) Basel Convention Technical Guidelines on e-waste– Elena D’Angelo (UNU/UNITAR), Marco Buletti (Ecopartner)</p>
17:00–18:00	10:00 – 11:00	<p>4. Global transboundary movements of e-waste: better monitoring and quantification – Marco Buletti (Ecopartner) and Elena D’Angelo (UNU/UNITAR)</p> <p>This session will provide participants with an overview of the assessment and current quantification of transboundary movements of e-waste at the global level.</p>
17:00– 17:25	10:00 – 10:25	<p>a) Amendment proposal on PIC procedures of e-waste (Swiss-Ghana example) – Marco Buletti (Ecopartner)</p>
17:25–18:00	10:25 – 11:00	<p>b) Global Transboundary Movement of E-waste – Elena D’Angelo (UNU/UNITAR)</p>
18:00–18:45	11:00 –11:45	<p>5. Universities synergies and linkages on the e-waste topic – Paul Vanegas (Universidad de Cuenca), Hildaaura Patiño (Universidad de Panamá), Colin Fitzpatrick (University of Limerick)</p> <p>This session will provide participants with an overview of the topics currently being researched at different universities and synergies that could be made in the future.</p>
18:45–19:30	11:45–12:30	<p>6. Examples of e-waste management experiences with vulnerable populations operating informally – Carmela Centeno (UNIDO), Wilson</p>



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19:30–19:45	12:30 –12:45	<p>Contreras (LUMINA, Colombia) and Cesar Arellano (Traperos de Emaús – Perú).</p> <p>Building upon various countries’ e-waste recycling practices panelists will provide their experiences in the operation of manual dismantling centres.</p> <p>Wrap up and closing of DAY 2</p>
May 25: Day 3 – Operational Aspects of Recycling Companies		
CET	Colombia	
15:00 – 15:15	08:00 – 08:15	<p>1. Housekeeping, Summary of the previous day and today’s agenda – Elena D’Angelo and Michelle Wagner (UNU/UNITAR)</p> <p>A summary of the previous day will be provided. In addition, housekeeping guidelines will be given to participants to ensure smooth participation. Moreover, the agenda will be provided to participants.</p>
15:15 – 16:15 15:15 – 15:35	08:15 – 09:15 08:15 – 08:35	<p>2. Health and E-waste:</p> <p>Preliminary outcomes of the PREAL project – Agnes Soares (WHO/PAHO)</p> <p>This session will illustrate the health issues associated with the mismanagement of e-waste and the preliminary outcomes of pilot projects of the PREAL project.</p>
15:35– 16:00	08:35 – 09:00	<p>Child health and E-waste – Prof Dra Amalia Laborde (PAHO-WHO Collaborating Center)</p> <p>An overview of the latest scientific knowledge on the links between informal e-waste recycling activities and health issues in children will be provided.</p>
16:15– 16:45	09:15– 09:45	<p>3. Implementation of ITU-T-CE5 standard: Pilot project in Costa Rica and Argentina of ITU developed within the framework of the PREAL project – Reyna Ubeda (ITU)</p> <p>This session will focus on Costa Rica’s and Argentina’s pilot project for the Implementation of the ITU-T-CE5 standard developed within the framework of the PREAL project.</p>
16:45– 17:00	09:45– 10:00	Break
17:00– 18:30	10:00– 11:30	<p>4. Guidelines used for auditing recycling companies – Heinz Boeni and Andreas Bill (EMPA)</p> <p>An overview of guidelines used for auditing recycling companies worldwide will be developed. Practical exercises will be developed during the session.</p>
18:30– 19:15	11:30 – 12:15	<p>5. Regional experiences in co-processing plastics containing hazardous substances – Pedro Vargas (Geocycle, Colombia), Enrique De Hoyos Guajardo (CEMEX, Mexico)</p> <p>This session will provide participants with an overview of regional experiences in the co-processing of plastics containing hazardous substances.</p>
19:15– 19:30	12:15– 12:30	Wrap up and closing of DAY 3



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May 26: Day 4 – Roadmap for a Regional Strategy on Circular Economy		
CET	Colombia	
15:00 – 15:15	08:00 – 08:15	<p>1. Housekeeping, Summary of the previous day and today’s agenda– Elena D’Angelo and Michelle Wagner (UNU/UNITAR)</p> <p>A summary of the previous day will be provided. In addition, housekeeping guidelines will be given to participants to ensure smooth participation. Moreover, the agenda will be provided to participants.</p>
15:15 – 16:00	08:15 – 09:00	<p>2. Overview of Circular Economy in electronics – Corey Dehmey (SERI) and Federico Urbina (Antel Integra – Uruguay)</p> <p>Examples and best practices of circular economy in the electronics sector in Latin America will be provided. An overview of the challenges and opportunities in the region will be provided.</p>
16:00– 17:30	09:00 – 10:30	<p>3. Presentation and Interactive session: Digital product passport - Link to Circular Economy, Material traceability and empowerment of consumers – Michelle Wagner (UNU/UNITAR), Leandro Navarro (ITU-T Study Group 5 and UPC) and Reyna Ubeda (ITU)</p>
16:00– 16:10	09:00 –09:10	a) Overview of Digital Product Passports and link to Circular Economy
16:10– 16:35	09:10– 09:35	b) Outline of the European Commission Digital Product Passports Regulation
16:35– 17:00	09:35– 10:00	c) Synopsis of the draft ITU International Standard on Digital Product Passports
17:00– 17:30	10:00– 10:30	d) Interactive session with participants using Mentimeter
17:30– 17:45	10:30 – 10:45	Break
17:45– 19:15	10:45 – 12:15	<p>4. Panel discussion:</p> <p>– Moderator: Alfredo Cueva</p> <p>– Panelists: Carolina Quadri (DELL), Andrés Santana (MABE)</p>
17:45– 18:30	10:45 – 11:30	<p>A) Roadmap towards Circular Economy in the Region</p> <p>This session will provide an outline for paving the way for a circular economy in the electronics sector.</p>
18:30– 19:15	11:30 – 12:15	<p>B) EEE producers and EPR implementation in the region</p> <p>This session aims to provide insights into EEE producers in the region and their views on legislation development, challenges, and opportunities as well as provide recommendations to improve the e-waste situation in the region.</p>
19:15– 19:30	12:15-12:30	Wrap up and closing of the event.