ENVIRONMENTAL SUSTAINABILITY IN HUMANITARIAN LOGISTICS

Enabling humanitarian logistics partners to reduce their impact on the environment

WREC Global Information session on Reverse Logistics
WREC Project
Enabling humanitarian logistics partners to reduce their impact on the environment

• **Focus** on waste & greenhouse gas emissions
• **Increase** knowledge and awareness in the community
• **Support** practitioners in impact reduction

Expertise of over 500 Logistics Cluster partners and the broad reach of project partners

**Sustained adoption of best environmental practice** across the humanitarian logistics community
Aligning with the Global Logistics Cluster mandate

In an emergency or crisis response, the GLC support may be requested to ensure humanitarian organizations **work together to identify and address common logistics needs or gaps**, for a more **efficient and effective response**.

**Environmental issues are by nature cross-cutting** (before, during, and after emergencies) and **coordination on environmental action** is key to amplify best practices and **guide the sector towards collective impact reduction**.
The activities

**Gather** & share data on the impact of logistics, map, initiatives, & share best practices

**Amplify** good practice case studies, focusing on waste and greenhouse gas

**Provide Environmental Expertise** via a team of specialists

**Compile**, collate, and disseminate guidance on mitigation and handling of waste that can’t be designed out

**Train** logistics practitioners and raise awareness w/ partners @ field level

**Coordinate** across the supply chain field w/ academia, private sector, and humanitarian organizations
WREC Workstreams

- Circular Economy
- Reverse Logistics
- Green Procurement
- Decarbonization
- Waste Management
Environmental impacts along the humanitarian supply chain
Environmental impacts along the humanitarian supply chain

**Problem:**
- Many **environmental impacts** occur before procurement.
- Purchasing and delivering goods or services represent one of the biggest **sources of greenhouse gas emissions**.
- Packaging and relief items and other materials can generate **excessive waste**.
Environmental impacts along the humanitarian supply chain

Green Recommendations

• Introduce environmental product-design standards into item specifications
• Ensure that environmental criteria are embedded in Suppliers Codes of Conduct
• Consider packaging when you purchase new goods, avoiding large purchases entailing single-use plastic packaging
• Introduce environmental considerations on Greenhouse Gas emissions and waste volumes in the evaluation of international and local procurement processes, possibly choosing the least impacting option in line with the 4 pillars of procurement
• Include sustainability considerations in contract management activities (e.g. request evidence of environmental performance through periodic reports)
Environmental impacts along the humanitarian supply chain

**Problem:**

- Transporting relief items can have adverse environmental consequences on local communities and the environment, including: greenhouse gas emissions and waste production.

- Fleet management and maintenance of vehicles generates hazardous and non-hazardous waste that requires proper management (e.g. engine oil, tyres, batteries, antifreeze, etc.) to avoid environmental and financial impacts.
Environmental impacts along the humanitarian supply chain

**Green Recommendations**

- **Anticipate future needs** to enable prepositioning and avoid emergency airfreight, allowing for more sustainable shipping and warehousing as localised as possible.

- **Optimize transport** to avoid half-empty shipments, will lead to more efficient transport planning. (cargo consolidation in collaboration with other humanitarian and non-humanitarian partners.

- **Prefer local suppliers close to warehouses and delivery points**, especially for heavy and large equipment, to reduce emissions.

- **Conduct training and introduce incentives for drivers** to encourage fuel efficient driving, using vehicles appropriate to the context when feasible.

- **Implement and monitor vehicle maintenance** policies (tracking and preventative maintenance) and ride sharing/fleet movement planning, including the management of vehicle waste (tires, engine oil, batteries, etc.), particularly hazardous waste.
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Environmental impacts along the humanitarian supply chain

**DISTRIBUTION & END OF LIFE:**

**Relief items** (e.g. electronic items such as solar lamps, mobile phones, tarpaulins, food items).

**Packaging items (primary and secondary)** (e.g. laminated plastic sachets, plastic bottles, plastic bags)

**Other emergency aid items** (e.g. hot food trays, plastic bottles).
Environmental impacts along the humanitarian supply chain

WHAT ABOUT PREPAREDNESS???
Brainstorming session
It is time to hear from you

4 groups
Brainstorming session
It is time to hear from you

4 groups
Breakout groups & Menti

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