



LOGISTICS CLUSTER WREC PROJECT

ENVIRONMENTAL SUSTAINABILITY IN
HUMANITARIAN SUPPLY CHAINS

**Global Logistics
Cluster**

Agenda

Time	Topic	Participants	Facilitator
15 mins	Introductions	All	
15 mins	Introduction of the green market assessment process		
30 mins	Open discussion of undergoing initiatives on environmental sustainability, challenges and gaps		
15 mins	AOB	All	

Green Procurement Market Assessment

IFRC Bangladesh pilot



Introduction

“A green procurement market assessment is a process that supports procurement and logistics officers evaluate the availability of green goods and services in the market where they operate”

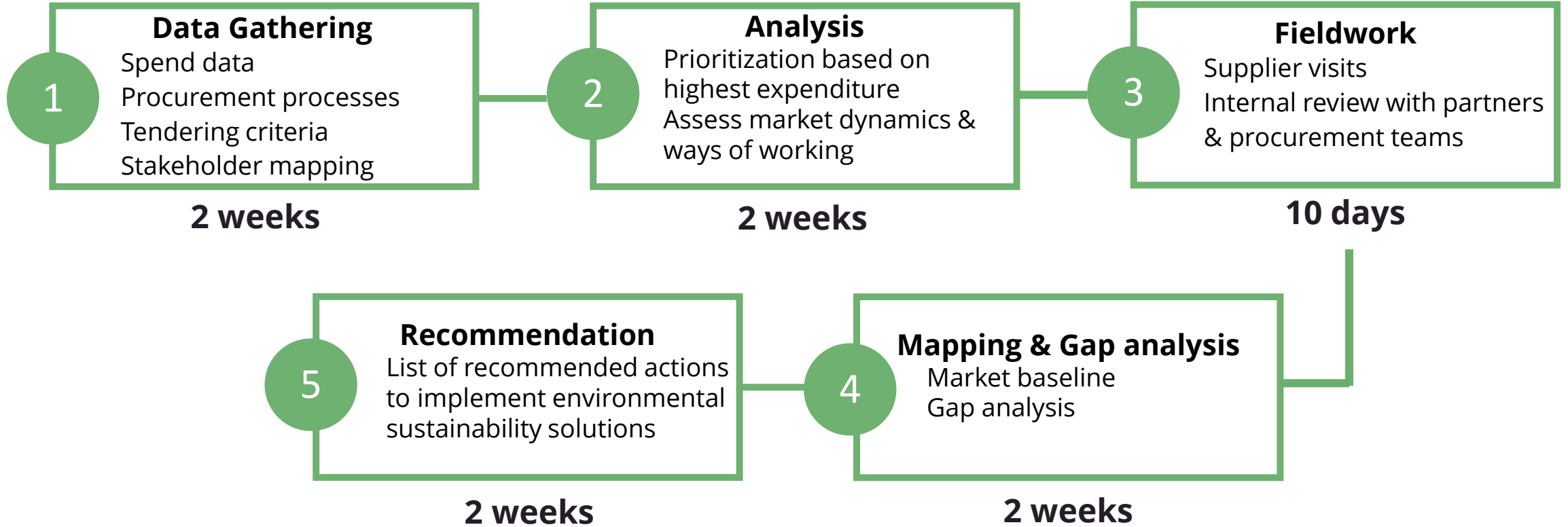
Needs Addressed

- Identify and **validate environmental sustainability gaps** in the market
- Engage with suppliers to understand challenges and opportunities
- **Raise awareness** of teams in country-office on environmental sustainability
- Support **donor requirements**
- Drive **cross-sector collaboration**

Benefits Achieved

- Validate environmental sustainability **adoption in the market**
- Set **market baseline**
- Identify **recommendations and solutions** to be implemented
- Build a green procurement **action plan**

Green procurement market assessment process



The steps of the process are to provide a **clear path and structure** of what needs to take place to conduct a green procurement market assessment in your country office. Each step has examples to guide you through the process.

Open Discussion

- 1.** What is your level of awareness of environmental sustainability in supply chains?
- 2.** What environmental sustainability initiatives do you have in place? If none, what is the reason?
- 3.** What are the main challenges you face to implement these type of initiatives ?
- 4.** Have you engaged with your suppliers to discuss environmental solutions?
- 5.** Have your suppliers provided any alternatives or solutions?
- 6.** What are the challenges you know your suppliers must overcome to offer green goods and services?

Examples of initiatives

Where to start?

- ✓ Reduce packaging where possible
- ✓ Use recycled materials
- ✓ Optimize packaging by making it as compact as possible

Other ways to make goods greener:

- Eliminate unnecessary inks
- Use plain cardboard boxes, not bleached
- Reduce or eliminate the use of lamination
- Use other alternatives to packaging than single use plastic (e.g. recycled cotton bags)

Blankets

MADE OF 100% recycled plastic bottles

200 plastic bottles per high thermal blanket

OPTIMIZED packaging

reduction of 20% in CO2 emissions compared to previous packaging

REDUCTION 56% less CO2 emissions

Sleeping mat

MADE OF 100% recycled polypropylene
No additional coloration
100% recyclable

OPTIMIZED packaging

reduction of 17% in CO2 emissions compared to previous packaging

REDUCTION 56% in CO2 emissions compared to virgin plastic

Solar lantern

Solar lamp case **MADE OF up to 100%** recycled plastic

100% recyclable
Verasol certified
Repairability

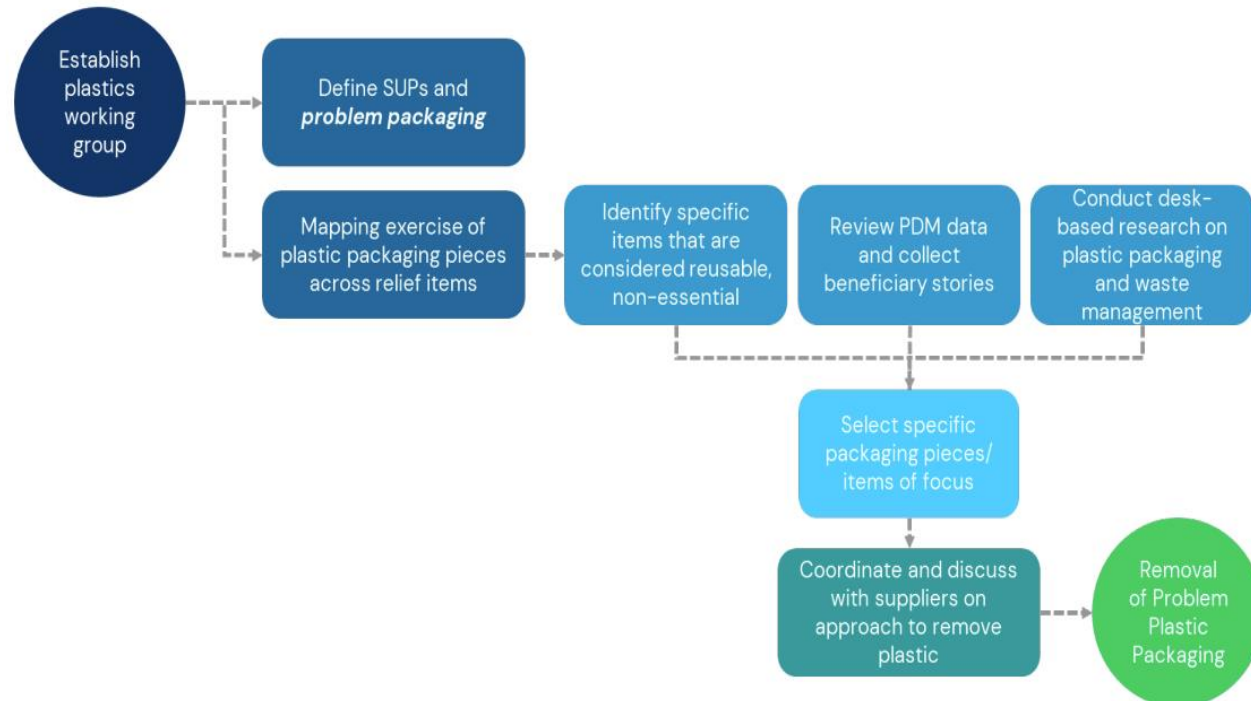
OPTIMIZED packaging

Compact size
Lower weight

LI-ION BATTERY
increased durability

Reduce

- ✓ Eliminated **6 unnecessary types** of packaging, representing **173,396** pieces of plastic



Reuse



9 **Read more**

[SHELTERBOX'S SUCCESS IN ELIMINATING SINGLE USE PLASTIC \(ecentre.org\)](https://ecentre.org)

- ✓ Approx. 60,000 kits were delivered annually
- ✓ Single use plastics could not be recycled
- ✓ Distribution routes were optimized
- ✓ Approx. 1000 liters in fuel and 3000 Kg of CO2 reduced per distribution
- ✓ Est. increase in cost of \$38,000 per year

From



To



1 **Read more**

[ICRC Afghanistan's Pilot: Replacing Plastic With Cardboard in NFI Distributions \(ecentre.org\)](https://ecentre.org)

WFP in Cox's Bazar reduces 5m plastic bags from retailers



The situation

- Beneficiaries were purchasing items with local retailers
- Retailers receive commodities in bulk and pack it individually
- Thousands of single used plastic packaging was being wasted

The solution

- WFP worked with retailers to change the type of packaging to paper and jute bags
- Rice distributed in large reusable PP bags
- Some recyclable waste is being collected and sold by local recycling markets
- WFP has supported by subsidizing part of the change due to incremental costs

¹ **Read more**

¹ [WFP Plastic Free E-Voucher Shops in Cox's Bazar \(ecentre.org\)](https://ecentre.org)

Other Resources

- WREC website: [Green Logistics | Logistics Cluster Website \(logcluster.org\)](https://www.logcluster.org/green-transport)
- [LogiE waste management](#)
- [Green Procurement landscape](#)
- [Introduction to Green Logistics training](#)
- [Eco-tarpaulins video](#)