



Webinar on the
Environmental Engagement
of the Global Shelter Cluster

6 Dec 2023, 14h GVA

Session outline

1. Welcoming words: Brett Moore, Global Shelter Cluster Coordinator (UNHCR)

Introduction and background to the Global Shelter Cluster environment efforts

2. Donor Perspective: Nikos Papamanolis, Policy Officer responsible for the Shelter & Settlements and WASH files & Anja Pirjevec, Global thematic expert in environmental resilience, (DG ECHO)

The role of donors for making humanitarian responses “greener” – learning from this project (ECHO)

3. Introducing partners’ work (video):

Environmental Country Profiles (WWF and IFRC)

4. Country focus 1: Mohammed Alimir, NW Syria Shelter Cluster (CARE)

NW Syria – the process and Impact of an Environmental Country Profiles and trainings to foster environmental assessments

5. Introducing partners’ work (video):

Reducing environmental impacts and fostering local economies through market-based solutions (CRS)

Question and Answers

6. Country focus 2: Sneha Malani, Shelter Sector Coordinator, Türkiye (IFRC)

Türkiye – Experiences from the field: Environmental considerations in emergency and early recovery

7. Introducing partners’ work (video):

Shelter Response Profiles – lessons learned from the process over the years (CRAterre)

8. Country focus 3: Martha Kow Donkor, Yemen Shelter Cluster Coordinator (UNHCR)

Yemen - How can the increased knowledge on local building materials and techniques support environmental outcomes?

9. New tools: Giulia Celentano, Humanitarian focal point at the Chair of Sustainable Construction (ETH Zurich)

Introducing the Solar Energy Advisory Tool

10. Donor Perspective: Alex Miller, Shelter & Settlements Advisor, USAID/BHA

Continuous engagement for the GSC’s environment initiatives (USAID/BHA)

Question and Answers: What’s next ?

11. Closing Remarks: Pablo Medina, Global Shelter Cluster Coordinator (IFRC)



Donor Perspective

Nikos Papamanolis, Policy Officer responsible for the Shelter & Settlements and WASH files (DG ECHO)

Anja Pirjevec, Global thematic expert in environmental resilience (DG ECHO)

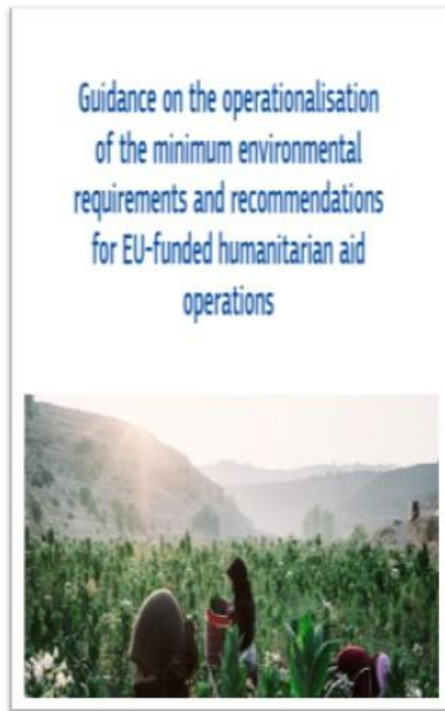
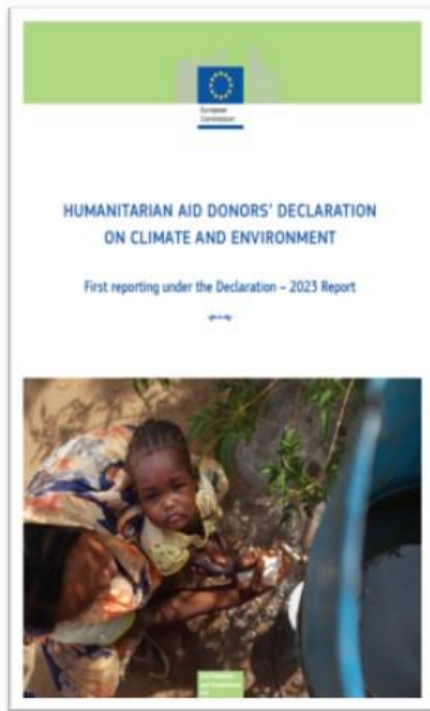


Reducing the environmental impact of ECHO field operations

Promoting environmentally responsible S&S responses

December 2023

DG ECHO's main policy initiatives and progress in "greening" the humanitarian aid



Why is important?

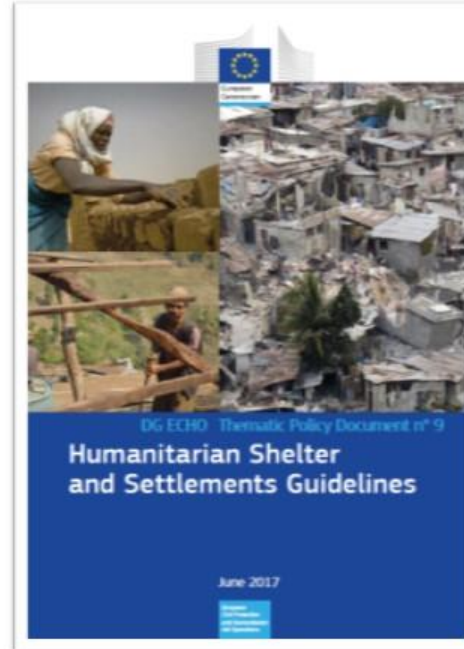
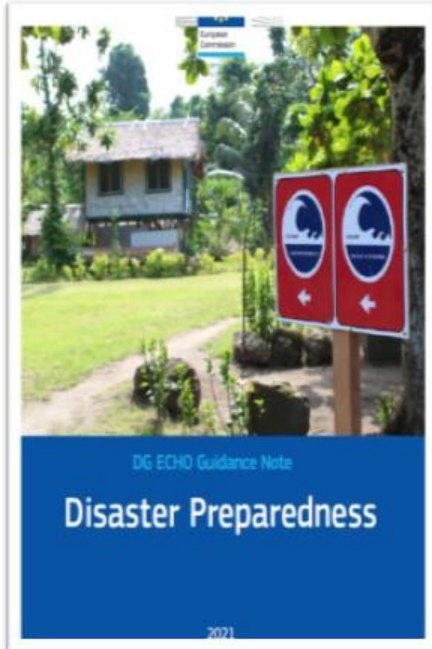
- More than 80% of all natural disasters in the last decade were related to climate change.
- The effects of climate change are threat multipliers for poverty, conflict, and gender inequality.

How we are helping?

- Through coordination and collaboration between the involved partners (e.g. Humanitarian Aid Donors' Declaration on Climate and Environment).
- By developing specific policies, aimed at reducing the environmental footprint of all DG ECHO's humanitarian activities (e.g. DG ECHO's Environmental Guidance, MERs, environmental indicators).

DG ECHO's main policy initiatives and progress in "greening" the humanitarian aid

How are we helping?



- By complementing other horizontal key policies (e.g. Disaster Preparedness Policy Guidance, Localization Policy Guidance) with specific environmental approaches.
- DG ECHO's Shelter and Settlements Guidance Note (2017).
- ERC grant (active on funding "green" projects from 2016).

Preliminary Project Reflections



Humanitarian Shelter sector as a pivotal sector for Environmental Policy



Emergency Shelter and environmental concerns: finding the equilibrium between global and local solutions



Optimizing project success through Multi-Level Coordination



How do we fund S&S activities?

Shelter and settlements programming carries one of the **highest risks** of negative environmental impacts among humanitarian activities. However, it also represents an **opportunity** to minimize potential environmental impacts by thorough **assessments** and robust environmental management.

- ✓ The regional and country level DP Budget Lines offer opportunities to support activities focused on the rehabilitation of natural areas in and around humanitarian sites and settlements, that were damaged by past and/or current humanitarian responses through reforestation, implementation of nature-based solution and climate adaption initiatives as well as building back better approach.
- ✓ Environmental mainstreaming through MER: environmental considerations should be integrated in all the proposals with the objective to minimize the negative environmental consequences of the responses we fund – greening actions are incorporated within others sectoral results and outcomes.



Main areas of interest



Environmental screening and report

- helps to incorporate environmental management plans into operations and monitoring procedures
- conducting an environmental screening is mandatory for all Shelter and Settlements and WASH activities
- NEAT + trainings (a screening tool) have been funded by DG ECHO and organized by NRC globally to build the capacity



Waste management

- set up new or upgrading existing sustainable solid waste management systems, including for medical waste
- selecting more sustainable NFIs, materials and processes among the viable options to reduce packaging, plastic content and transport
- incorporating waste in initiatives that do waste value recovery (down/upcycling, composting, repurposing) - livelihoods opportunities!



Ecological value of humanitarian sites during and after use

- prioritizing natural areas rehabilitation through nature-based solution (e.g., slope stabilization, resilient watershed management, etc.)
- avoiding environmental degradation, while keeping the removal of vegetation and the disruption of natural drainage at a minimum
- promoting climate smart shelter solutions and building back better



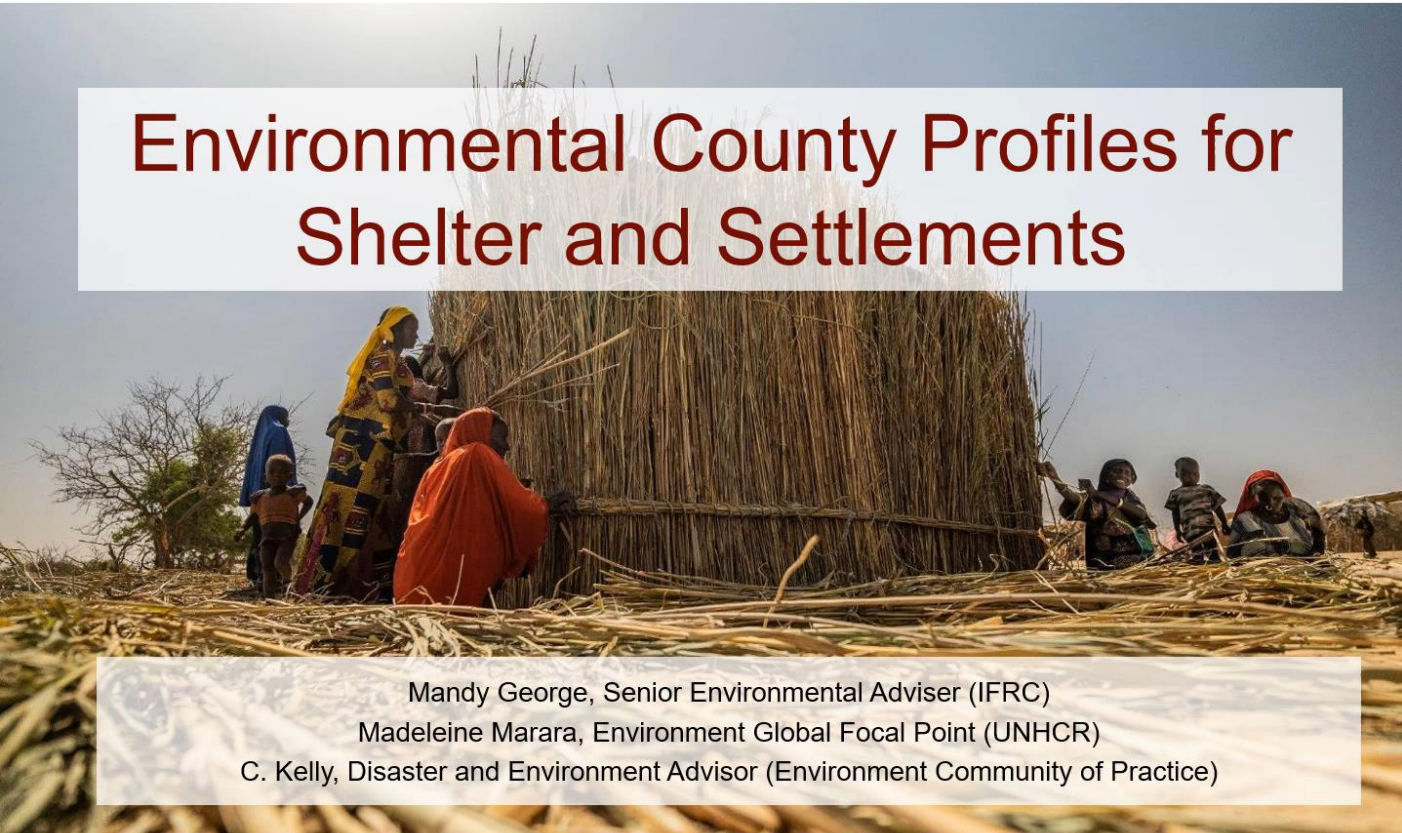
Environmentally sustainable energy supply systems

- providing access to alternatives to firewood and charcoal for cooking purposes (carbonized and non carbonized briquettes, LPG)
- prioritizing the use of renewable energy in communal facilities and for the operation and maintenance of the provided water services

Environmental Country Profiles (ECP)

Video contribution by IFRC and WWF

Environmental County Profiles for Shelter and Settlements



Mandy George, Senior Environmental Adviser (IFRC)
Madeleine Marara, Environment Global Focal Point (UNHCR)
C. Kelly, Disaster and Environment Advisor (Environment Community of Practice)

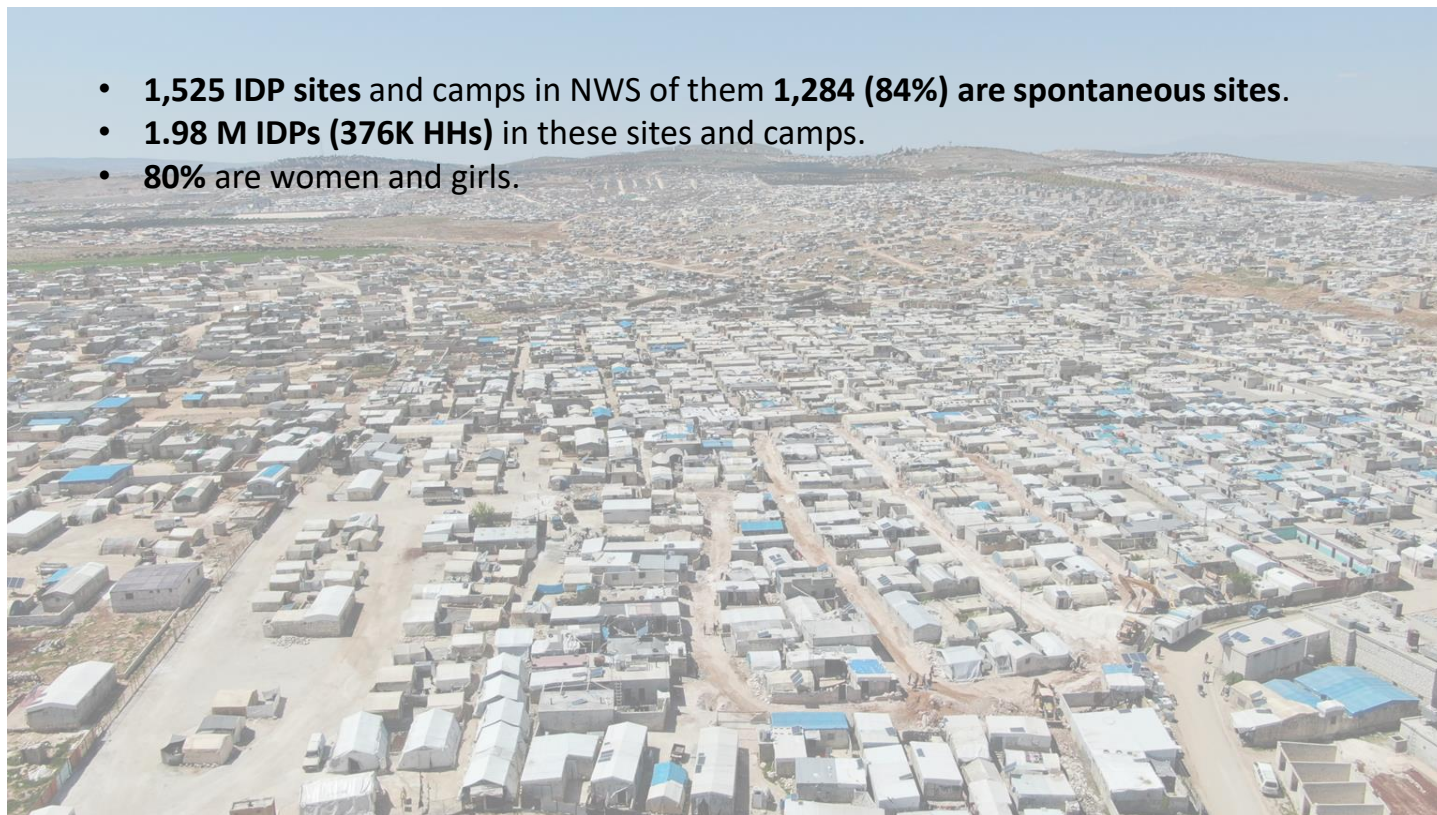
Country Focus 1: North-West Syria

Mohammed Alamir, Shelter/NFI Cluster Co-lead
NW Syria Shelter Cluster (CARE)



IDP Sites

- **1,525 IDP sites and camps** in NWS of them **1,284 (84%) are spontaneous sites.**
- **1.98 M IDPs (376K HHs)** in these sites and camps.
- **80% are women and girls.**





Spontaneous IDP Sites in NWS





Winterization 2023-24 Plans



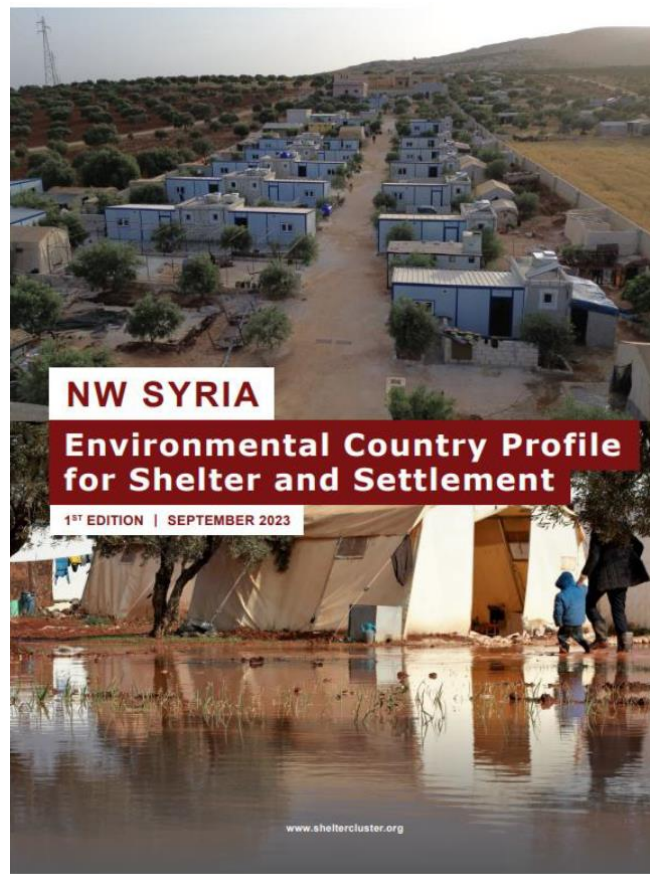


NWS Environmental Profile

Information of use in the response to the two February 2023 Syria and Türkiye earthquakes.

In the absence of formal legal procedures for the environmental review of project in NW Syria, humanitarian organizations should establish their own review procedures, particularly with regards to transitional and recovery projects which involve the built environment.

Disaster Risk Management





NEAT Training

The training has been a good chance to highlight the needs of integration with dignified shelter and longer-term eco-friendly solutions.

- **Screen for significant environmental issues**
- **Quick field-level assessments which supported the project design phase.** The training enabled the members on means to conduct these assessments.
- Support the cluster members **covers environmental sensitivity**
- **The importance of integration**



Environmental Considerations the Cluster Applies





Environmental Considerations the Cluster Applies

- ✓ Key Considerations for **Energy and Fuel**
- ✓ **Debris and Waste** Management to ensure **access to damaged homes and buildings, local employment, Value recovery** through **recycling the debris**
- ✓ **Disaster Risk Management** and Nature-based Solutions/ Key objectives of debris management and recovery.



Environmental Considerations the Cluster Applies





Environmental Considerations the Cluster Applies





Integrated Approach in the Cluster Strategy

This is supporting the cluster achieving its objective and the strategy will be redeveloped in order to:

- ❑ **Reduce harm to affected populations and improve the effectiveness of assistance.**
- ❑ Improved understanding of environment-related issues will aid in identifying actions to **improve sheltering options, human security, water and waste management, livelihood support and flooding and landslide risk reduction.**
- ❑ **Inter-cluster collaboration;** A packaging waste management plan will reduce the pressure on existing waste management systems.



Integrated Approach in the Cluster Strategy

- ❑ **Limiting generators to only critical needs** and recovering the generators when no longer needed will **reduce air and noise pollution** and permit reuse of the generators in other disasters.



Reducing environmental impacts and fostering local economies through market-based solutions

Video contribution by CRS

Greening the Shelter Response - CRS

2023-11-29 13:14 UTC

Recorded by

Kalka, Bassam

Organized by

Kalka, Bassam

Any Questions?

Pablo Medina, Global Shelter Cluster Coordinator, IFRC

Country Focus 2: Türkiye

Sneha Malani, Shelter Sector Coordinator, Türkiye (IFRC)

Shelter Sector Turkiye

Earthquake Response
06 December 2023

Environmental

considerations:

Emergency and Early
Recovery



Foldable containers in the Former Adiyaman TAC: What will happen to the 50,000+ foldable containers as HHs move into more durable shelter solutions in the future?

Agenda

Recovery Pathways of displaced households

Shelter: Typologies and trends

Environmental Considerations

Next steps



Situation overview | Earthquake Impact

Government led response | Shelter Sector target for assistance



People affected

9.1M (OCHA, 20/04)



Households targeted

1.5M (Flash Appeal | OCHA | February 2023)

Moderate / severe damage units



Eligible for government support

890,861 (AFAD, 01/06)



Light damage units, not necessarily livable

Not eligible for government support

1,838,941 (AFAD, 01/06)



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Recovery Pathways of Displaced Households



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**HHs with
severely/moderately
damaged dwellings**

Urban

Rural

**HHs with light
damaged dwellings**

EQ-affected refugees

Tenants

??





AFAD
"standard"
container



Inadequate:
mainly foldable
containers



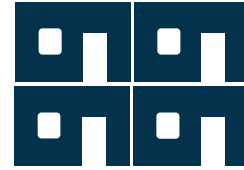
Tents



HHs with severely/moderately damaged dwellings

Urban

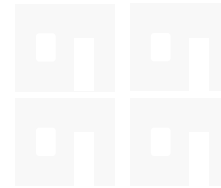
Rural



AFAD Standard containers
#100,000+



HHs with light damaged dwellings



Foldable containers
#50,000



EQ-affected refugees



Low-damaged units (1.8M units)
Moderately damaged units

Tenants

??



Tents
#80,000



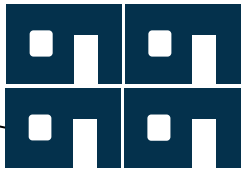
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HHs with severely/moderately damaged dwellings

Urban

Rural



AFAD Standard containers
#100,000+

HHs with light damaged dwellings



Foldable containers
#50,000

EQ-affected refugees



Low-damaged units (1.8M units)

Tenants

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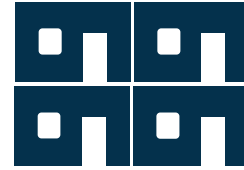


Tents
#80,000

HHs with severely/moderately damaged dwellings

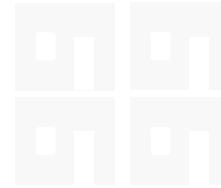
Urban

Rural



AFAD Standard containers
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HHs with light damaged dwellings



Foldable containers
#50,000

EQ-affected refugees



Low-damaged units (1.8M units)

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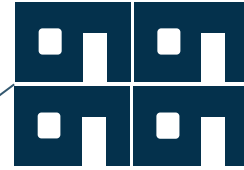
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HHs with severely/moderately damaged dwellings

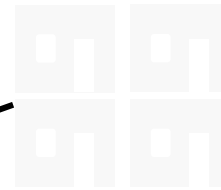
Urban

Rural



AFAD Standard containers
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HHs with light damaged dwellings



Foldable containers
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EQ-affected refugees



Low-damaged units (1.8M units)

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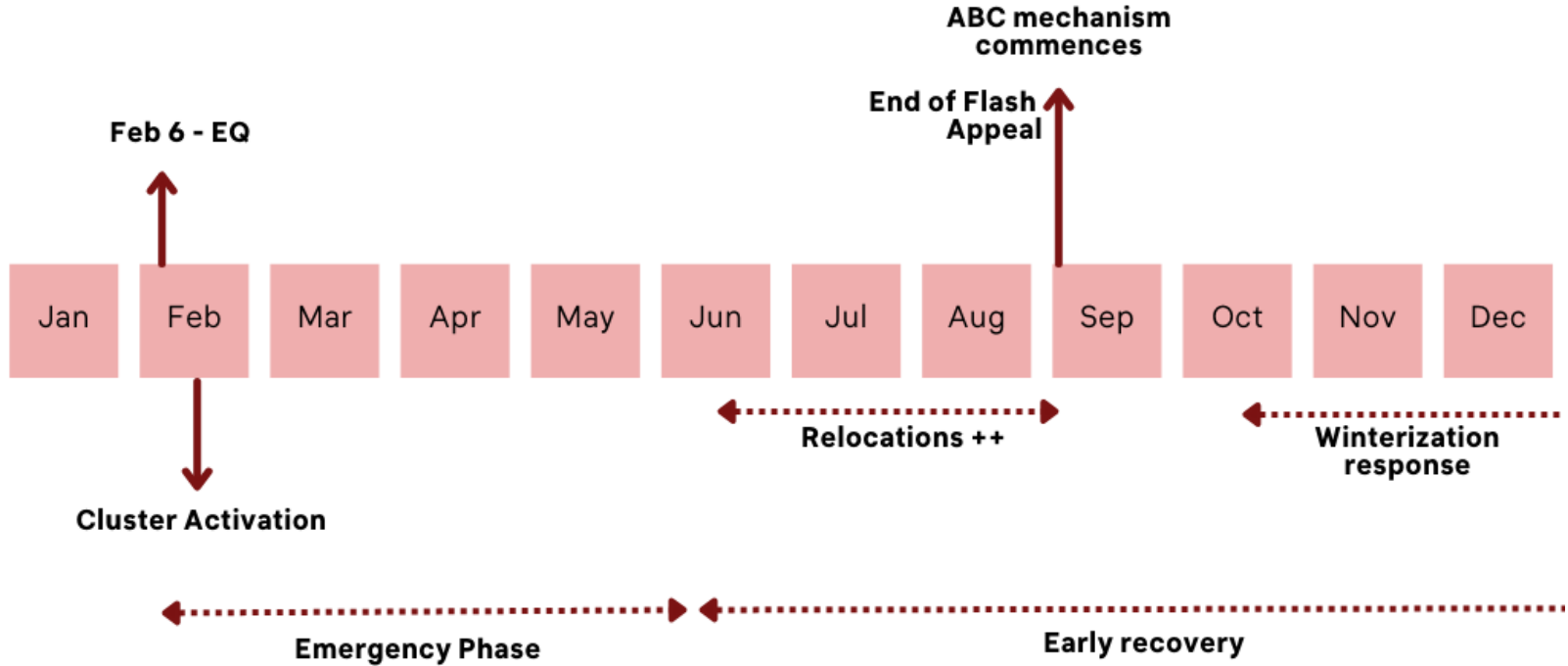


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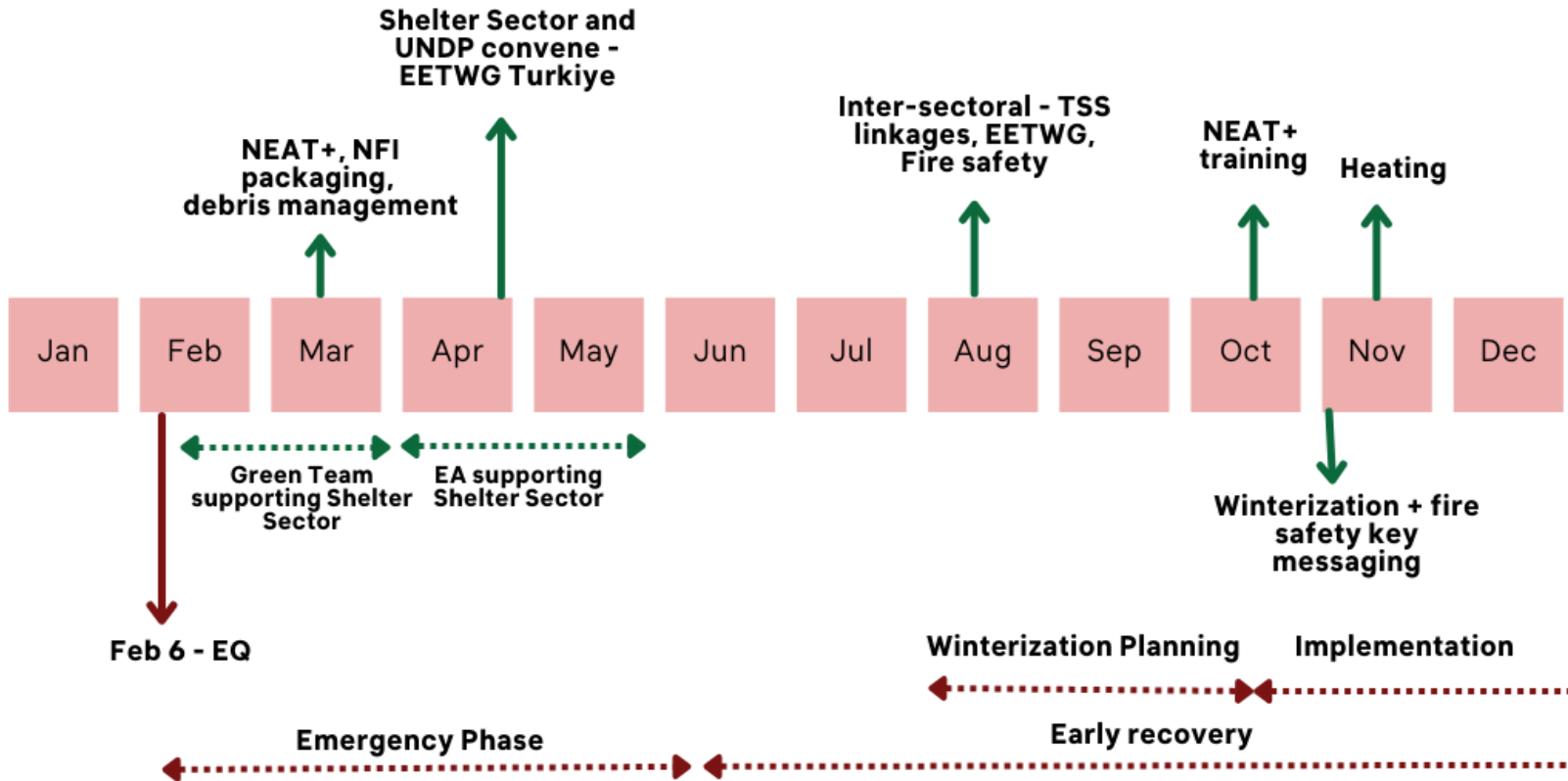


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EQ Response | Timeline



EQ Response | Environmental Considerations



Energy and Environmental Challenges

- Sprawling container cities – extreme temperatures, limited shading and no greening
- Large scale of “temporary shelters” – different qualities of containers. Low quality requiring high degree of upgrade and maintenance
- High demand for heating in temporary shelters – electricity shortage, fire risks, fuel demand
- Winterization: thermal comfort needs, flood risks – limited infrastructure on sites
- Low-quality tarpaulin in use on a large scale (self recovery) - generating waste



A “container city” of AFAD standard containers, set up right after the EQ in winter.
Source: Shelter Sector Turkiye



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*Set up of foldable container site (4000 containers expected), Hatay, October 2023.
Source: Shelter Sector Turkiye*



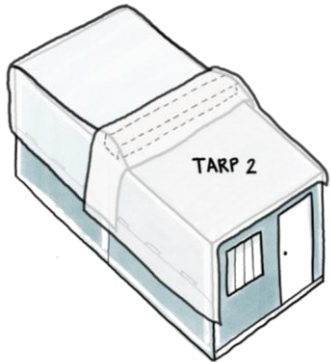
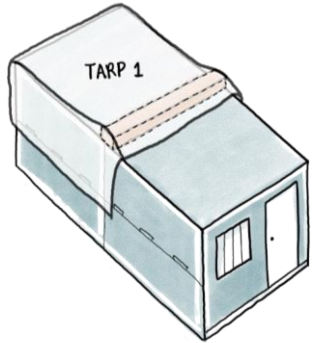
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Foldable containers: various locations – in sites and scattered across urban centers and rural areas.

Source: Shelter Sector Turkiye





Households covering containers with tarpaulins in preparation for winter. Source: Shelter Sector Turkiye

Environmental Response

IMPACT SO FAR

- Catalyst: intersectoral coordination on environment with WASH/TSS/EETWG etc.
- Technical Guidance: winterization, light repairs, debris management etc.
- Trainings: NEAT+
- Safety considerations: heaters, ventilation



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Environmental Response

IMPACT SO FAR

- Catalyst: intersectoral coordination on environment with WASH/TSS/EETWG etc.
- Technical Guidance: winterization, light repairs, debris management etc.
- Trainings: NEAT+
- Safety considerations: heaters, ventilation

NEXT STEPS

- Environmental considerations: Advocacy
- Environmental considerations: for light repairs
- Potential of using **solar** and wind energy (in time for *summer-ization!*) or other alternatives (olive pomace)
- Recycling/reuse of containers?
- Longevity of shelter and household assistance – lessons learned

Winterization: beyond winter

- The winterization strategy for shelter aims to **improve livability** during the winter months and in the process also **increase the shelter resilience beyond the winter** (where households are expected to remain in the temporary shelters for a longer period).
- Key elements of this approach are to **improve adequacy of shelters and meet basic human rights.**

Other considerations

- Shelter Partners are **piloting alternative shelters using local materials or wood** to build other types of transitional shelters besides the containers
- Food for thought: What will happen to the **100,000+ containers in container cities and 50,000+ foldable** and other precarious containers as HHs move into more durable solutions?

EQ response environmental resources developed with Green Team



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Resources developed – Shelter TWG, Green Team

[Guidance on green spaces | Shelter Cluster](#)

[Guidance on minimising solid waste | Shelter Cluster](#)

[Green procurement to avoid waste guidance | Shelter Cluster](#)

[Environment Screening training Turkiye | Shelter Cluster](#)

[Winterization and Fire Safety Messaging | Shelter Cluster](#)

— Available in English, Turkish/Türkçe, Kurdish/Kurdî, Arabic/عربي

Shelter Sector Turkiye Team



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Coordination Structure

Shelter Sector Coordination Team | Gaziantep based

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FP | Protection, Gender & Inclusion Sector

FP | Women Empowerment WG

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FP | Hub Coordination

FP | Cash Based Interventions WG

FP | MHPSS

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FP | Technical Working Groups (TWiGs)

FP | Environmental Issues

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FP | Hub Coordination

FP | Liaison with local authorities

Coordination Structure

Shelter Sector Coordination Focal Points | Province / Hub Level

KAHRANMANMARAS PROVINCE HUB

Including Osmaniye

Focal Point Amro Katkhuda (Shelter Sector)

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HATAY PROVINCE HUB Including Adana Province

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MALATYA PROVINCE HUB Including Elazig, Diyarbakir

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or

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Shelter Response Profiles (SRP)

Video contribution by CRAterre

USAID-BHA GRANT 2020-2023 / ECHO GRANT 2021-2023

LEARNING FROM LOCAL BUILDING CULTURES

CRAterre's contribution to environmental engagement and contextualized responses of the GSC

Webinar on the Environmental Engagement of the Global Shelter Cluster (GSC)

06/12/2023

ENRIQUE SEVILLANO GUTIÉRREZ - e.sevillano.gutierrez@craterre.org

Contributions by: Olivier MOLES, Elsa CAUDERAY, Julien HOSTA, Miguel FERREIRA MENDES, Jon de la RICA, Mathilde CHAMODOT, Florie DEJEANT, Annalisa CAIMI, Carolyn GARCIA, and the teams of CRAterre and CRAterre-ENSAG



Country Focus 2: Yemen

Martha Kow Donkor, Yemen Shelter Cluster Coordinator
(UNHCR)

SEAT - Solar Energy Advisory Tool

Contribution by Giulia Celentano, Humanitarian focal point
at the Chair of Sustainable Construction (ETH Zurich)



**SOLAR
ENERGY
ADVISORY
TOOL**
GSC - ETHZ

- DIGITAL TOOL, OPEN ACCESS, GLOBAL
- EARLY DECISION MAKING
- SOLAR ENERGY SYSTEM IN CONTEXT OF DISPLACEMENT
- HOUSEHOLD ENERGY DEMAND
- CONTEXT-INFORMED
- QUANTITATIVE + QUALITATIVE FEEDBACK
- NO ENERGY EXPERTISE REQUIRED
- FOLLOW UP WITH ENERGY SPECIALIST REQUIRED

<https://sheltercluster.org/resources/pages/eth-global-shelter-cluster-solar-energy-tool>

*Dr. Giulia Celentano celgiuli@ethz.ch, Hager Al Laham, Prof. Guillaume Habert,
Design to Production GmbH, ParcoStudio*



How USAID's Bureau of Humanitarian Assistance is contributing to the greening of the Shelter & Settlement Sector

Presented by Alex Miller

Webinar on the Environmental Engagement of the Global Shelter Cluster



USAID's Policy Approach:
USG's Prepare Action Plan
and
USAID's Climate Strategy
2022-2030





USAID
FROM THE AMERICAN PEOPLE



GFDRR
Global Facility for Disaster Reduction and Recovery



Administered by
THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP



Global Shield
against Climate Risks



**Risk-informed
Early Action
Partnership**



**InsuResilience
GlobalPartnership**

USAID/BHA continues to co-lead and participate in global platforms to ensure decisions are made cooperatively and through consensus from the persons most affected.

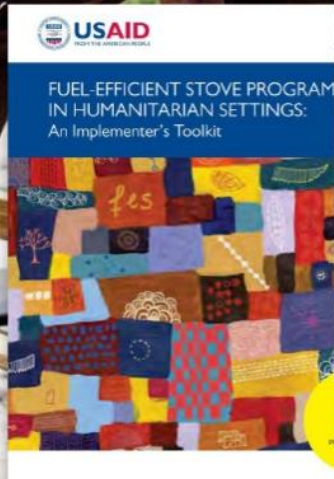


Investing in online trainings and Shelter and Settlement awards specific to climate risk mitigation and adaptation for at risk settlements.



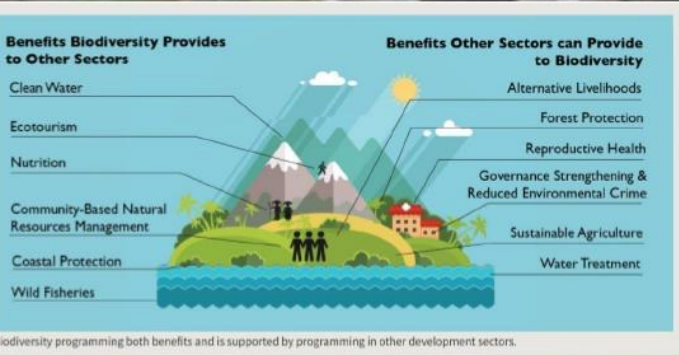


Investing in supply chains for plastic in S&S programming, and supporting more efficient NFI activities.



BHA's efforts in conservation and capacity building

Investing in localization and the biodiversity of settlements and areas that supply natural resources



Responding to accountability and community feedback

- Systematize follow-up mechanisms
- Follow through on environmental requirements
- Prolong funding to ensure handover



Environmental Mainstreaming in Humanitarian Interventions

Authored by Clara Briugge, Julie Pinochat, Sandra Hameen and Vadhanya Vichitkarn





Thank you

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Any Questions?

Pablo Medina, Global Shelter Cluster Coordinator, IFRC

Thank you for your participation!

In case you would like to reach out, please do not hesitate to contact us:

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