

Environmental Mainstreaming & “The Environment Marker”

WASH Sector, Jordan
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Rationale

- Understanding key vulnerabilities and impact from humanitarian actions
- Reducing the ecological footprint of humanitarian action
- Mainstreaming of environment across the humanitarian response in Jordan

Stewardship

How many words can you construct (3 or more letters) from the word stewardship?

5 minutes

Individual task/ activity

Reward for more than 60 words

Why worry about environment / ecosystem?



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Benefits of Environment

- we derive essential goods and services from ecosystems
 - food
 - game animals
 - fodder
 - fuel wood
 - timber
 - pharmaceutical products
 - etc
- represent significant parts of the economy

Services

- **Purification** of air and water
- **Detoxification** and **decomposition** of wastes
- **Generation** and preservation of **soils**
- **Pollination** of crops and natural vegetation
- **Control** of agricultural **pests**
- Protection from the harmful **UV rays**
- Partial stabilization of **climate**
- Provision of **aesthetic beauty**
- etc

Humanitarian Action and Environment

- Humanitarian action focuses on immediate priorities
- Life-supporting system is disregarded
- Results in Environmental Impact

Impacts due to lack of Environmental considerations

Environmental Issue	Location/ Country	Impact	Source
Sewage disposal	Haiti	Cholera out break	Sun Mountain & CHF Int., 2010
Improper disposal of chemicals	Various	Soil and water pollution	JEU, 2014
Deforestation	Somalia	Native woodland	IRIN, 2009
Deforestation	South Sudan	52,000/ y	UNEP, 2008
Water extraction	North Darfur	42% wells dried	Tearfund, 2007
Improper disposal of solid, liquid & HW	Maldives	Sea, GW, soil	UNEP, 2005
Deforestation	Tanzania	570km ² /167km ²	UNHCR, 2001
Deforestation	Zimbabwe	58% woodland	UNHCR, 2001

Humanitarian...

“Failure to consider the environment during the pressures of a humanitarian response can result in a number of significant negative outcomes, with consequences for the very people that the intervention is trying to help.” - DFID, 2007

Better attention to environmental stewardship with its linkages with human livelihoods is central to this!

Environmental Challenges in Jordan

- A rapid EA was undertaken in 2014
- Major Environmental Issues
 - **Water Resource- quality and quantity**
 - declining water table, salinity , cost, WWTP
 - **Biodiversity and ecosystem damage/loss**
 - **Soil Degradation and Rangelands**
 - Productivity of rangeland reduced by 50%
 - **Air Pollution**
 - **Hazardous waste incl. BMW**
 - 30%, poor segregation , open dump (MoE, 2014)

Drivers

- **Increasing stakeholder awareness & demands**
- **International and National Commitments**
 - **International Agreements**
 - UN policies, conventions, agreements and protocols on environment, MDG's, Sphere Standards, Paris Agenda, etc
 - **National**
 - National policies, legislation and regulations, and planning requirements
 - **Donor and funding agencies requirement**
 - WB, USAID, SIDA, CHF

Sphere Handbook

- Humanitarian Charter and Min. Standards for HR
- Set of common principles and universal minimum standards
 - Protection Principle 1
 - avoid exposing people to further harm due to HR
- Improve response and accountability
- The minimum standards address the need to
 - prevent over-exploitation, pollution and degradation of environmental condition

Sphere Handbook

- Set out principles , rights and duties- HR
- Minimum standards for WASH/ **Health**
 - Belief and commitments
 - Minimum levels to be attained in HR
- WASH

Hygiene promotion, Water supply, Excreta Disposal,
Vector control, SWM, Drainage

Why Integration of Environment?

- Addressing env. issues at the **earliest** stages will :
 - protect livelihoods
 - improve affected communities' health and safety
 - protect people and the env. from hazards - mitigation actions
 - slow or reverse **deforestation**, soil erosion and pollution- *resilience, development*
 - address the underlying environmental issues

Energizer



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EM Training_WASH 11 Apr. 2017_Jordan

WASH & Environment

Sector	Impacts that can affect humanitarian activities	Humanitarian activities that can cause new Env. Impacts
WASH	<ul style="list-style-type: none">● Contamination water sources by chemicals, HW and weapons● Damage of water and sanitation infrastructures leading to cross-contamination● Presence of waste and carcasses	<ul style="list-style-type: none">● Drilling & construction of boreholes, wells, etc● Construction of WASH facilities● Improper rehabilitation and decommissioning of wells● Water contamination from sewage disposal● Inappropriate / energy intensive WASH system

WASH & Environment

How to reduce negative impact and enhance:

- Select environmentally friendly construction material – SSB, CSB
- Reuse of greywater- e.g. vegetable garden
- WASH facilities adapted to age/disabilities
- Balance outtake of water with replenishment
- Groundwater monitoring and IWRM
- Promote innovative approaches to water mgmt (rainwater harvesting, grey water reuse, eco sanitation)
- Drought adaptation planning

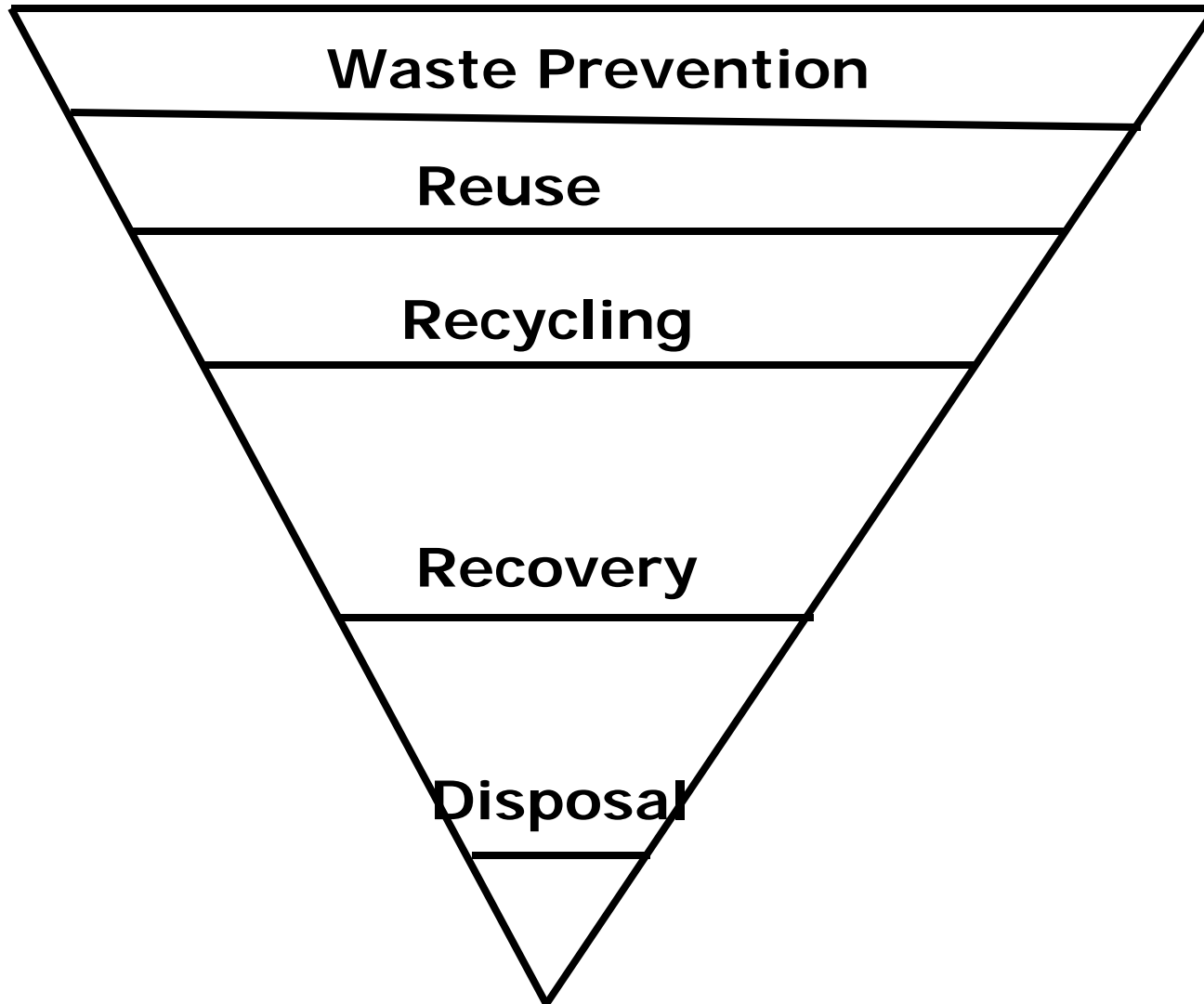
WASH & Environment...

How to reduce -ve impact and enhance:

- Promotion of fuel efficient cooking techniques & solar panels
- Discourage use of plastic bags
- Train and encourage composting
- Awareness raising



Waste Management Hierachy



Environment Mainstreaming & Env. Marker

- It is a self assessment tool
- Helps to screen projects for env. impact
- Helps to track a project's environmental **impacts**
- Checks whether **mitigations** have been put-in-place
- Developed by UN Environment
- It is mandatory
 - **Afghanistan, South Sudan, Sudan , Jordan**

EM Coding

Code	Description
A	<p>Neutral Impact on Environment</p> <p>The env. will experience little or no impact from this type of project</p> <p>No mitigation is Required</p> <p>E.g. Registration of refugees, data collection, site visit, assessment, GL development etc</p>
A⁺	<p>Projects with EM “A” with Enhancement Measures, resulting in a +ve env. impact</p> <p>E.g. Registration of refugees + awareness, tree plantation, soil conservation, env. campaigns etc</p>



EM Coding

Code	Description
B	<p>Medium Environmental Impact</p> <ul style="list-style-type: none">• The project has environmentally harmful components• Require <u>mitigation</u> and possibly enhancement measures E.g. construction of school,/hospital, construction of wells, camp, Clinic, sanitation facilities etc
B⁺	<p>Projects with EM “B” with mitigation in accordance to sector Environment guidance</p> <ul style="list-style-type: none">• Select mitigation measures for the likely environmental impact/s• Use <u>Sector Environmental Guidance</u>

EM Coding...

Code	Description
C	High Environmental Impact <ul style="list-style-type: none">• These project will have significant impact• Subject to detailed EIA followed EMP• Follow the relevant standards, GL , procedures and checklists E.g. Landfill, HW Treatment plant, industries (Annex 2) etc
C+	Projects with Environment Marker “C” <ol style="list-style-type: none">1. An Environmental and Social Screening Assessment2. A Rapid Environmental Assessment or EIA followed by EMP and/or a <u>Community Environmental Action Plan</u> for the affected community

The Environment Marker

Code	Description
C	High Environmental Impact <ul style="list-style-type: none">• These project will have significant impact• Subject to detailed assessment followed EMP• Follow the relevant standards, GL, procedures CL
C+	Projects with Environment Marker “C” <ol style="list-style-type: none">1. An <u>Environmental and Social Screening Assessment</u>2. A <u>Rapid Environmental Assessment or EIA</u> followed by EMP and a <u>Community Environmental Action Plan</u> for the affected community <ul style="list-style-type: none">• Guidance on these tools can be found in the references below

Strategy -CAME

CAME- an easy way to integrate environment into HR

Contextualize

- Which are the key env. problems in the Jordan/Governorate /community?
- Are there sensitive/protected areas in the nearby area?

Assess

- Does the project have impact on the environment?

Mitigate

- How can the impacts be avoided /reduced?
- Have you reviewed best practices? **Consulted community?**

Enhance

- What other enhancement measures can be added?
- Can enhancement activities be combined with other sectors?



Example

Establish a Mobile Clinic in Azraq camp

- Assess
Medical waste management – disposal of infectious wastes, sharps, expired pharmaceuticals- transmission of diseases , pollution etc.
- Mitigate
Segregation of Infectious waste & sharps, collection, treatment and safe disposal (secured pits) or incinerated
- Enhance
Hygiene education, cleaning campaign, etc



Key Resources

- UNEP Humanitarian Resource Centre:
<http://postconflict.unep.ch/humanitarianaction/index.html>
- UNEP/OCHA Environmental Emergencies Centre:
<http://www.eecentre.org/>
- Sudan Post Conflict Environmental Assessment UNEP 2007:
<http://www.unep.org/sudan/post-conflict/>
- Norwegian Refugee Council Camp management toolkit - Chapter 6 – Environment: <http://www.nrc.no/arch/img/9293557.pdf>
- UNHCR Environmental Guidelines:
<http://www.unhcr.org/3b03b2a04.html>
- FRAME toolkit (UNHCR and CARE):
<http://www.unhcr.org/4a97d1039.html>
- SPHERE standards (online version also available in Arabic):
<http://www.sphereproject.org/handbook/>



Shikuren!
Thank You!
አመሰግናለሁ!
Tack!
Mercy!



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Group Exercise

- Group formation 2-3 groups
- Select chair and secretary
- Provide case study/ questions on the following topics
- Identify key environmental issue/impacts
- Assign code for the project
- Determine mitigation and/or enhancement measures
- 20 minutes for exercise and 10 presentation