

Linking industrial accidents to disaster management

Joint UNEP/OCHA Environment Unit



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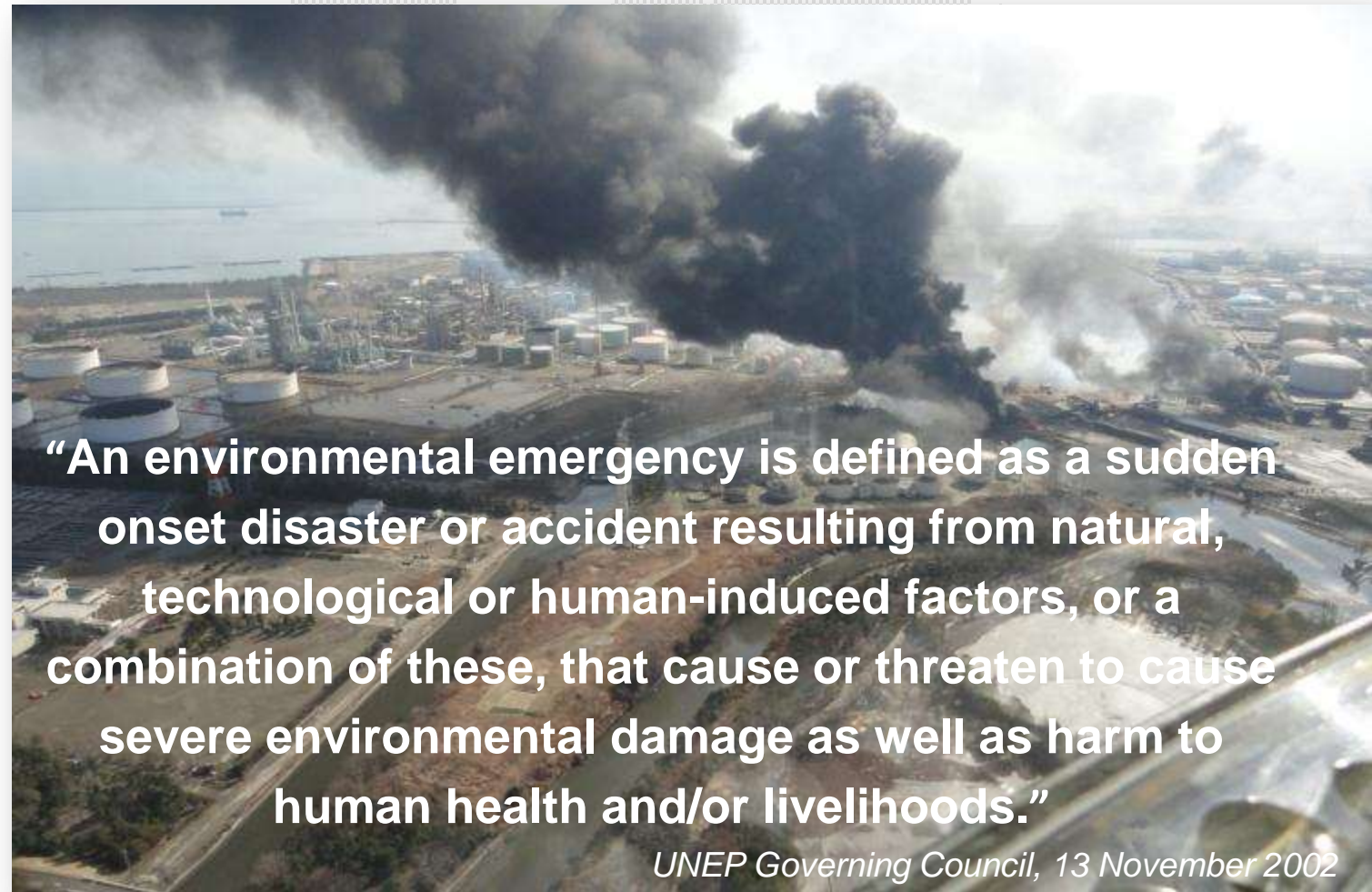
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Presentation outline

- Environmental Emergencies and the Joint UNEP/OCHA Environment Unit
- Why industrial risk matters in disaster risk management
- Flash Environmental Assessment Tool for response and preparedness



Environmental Emergencies



“An environmental emergency is defined as a sudden onset disaster or accident resulting from natural, technological or human-induced factors, or a combination of these, that cause or threaten to cause severe environmental damage as well as harm to human health and/or livelihoods.”

UNEP Governing Council, 13 November 2002

Joint UNEP/OCHA Environment Unit



Technical expertise

+



Humanitarian coordination

=

Prepared Response

Priorities

PREPAREDNESS



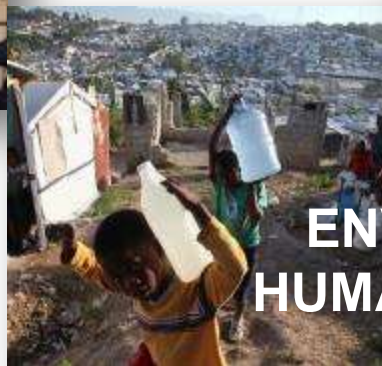
Introduction to
INDUSTRIAL ACCIDENTS:
prevention, preparedness & response



RESPONSE



ENVIRONMENT AND HUMANITARIAN ACTION



OCHA UNEP

Why industrial risk matters

URBANIZATION



Damaged zone after the explosion: 22 September 2011

CLIMATE CHANGE



INDUSTRIALIZATION



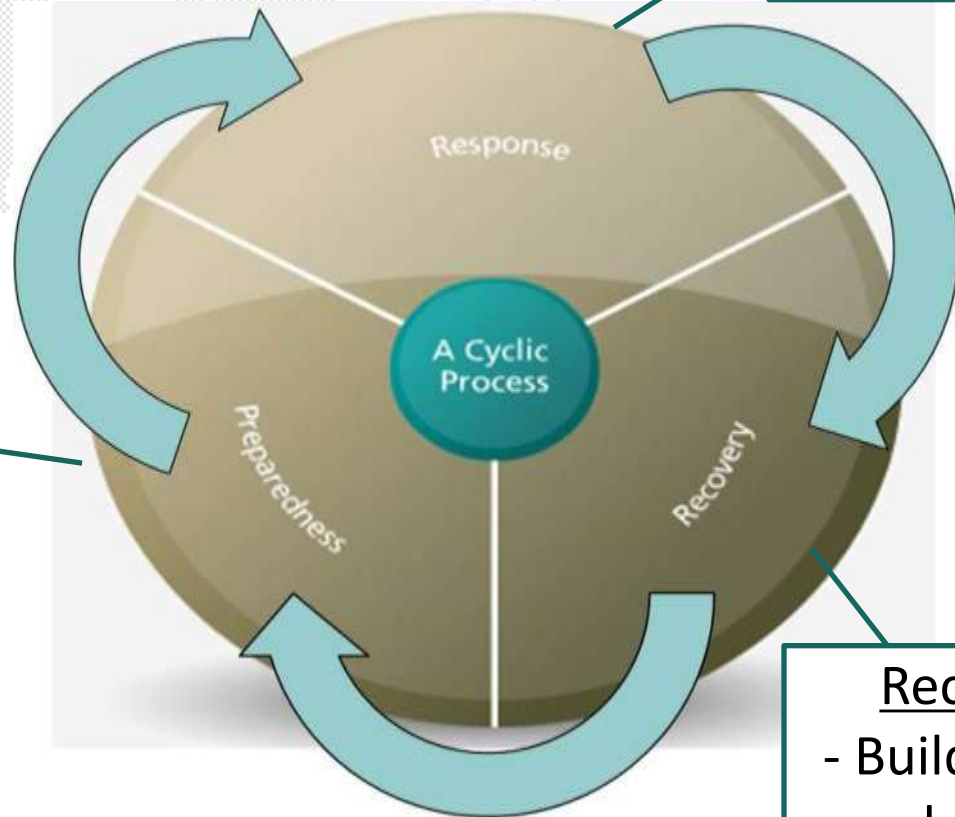
ENVIRONMENTAL DEGRADATION



Industrial risk in the disaster cycle

Preparedness:

- Multi-hazard risk analysis – FEAT
- Coordination
- Contingency planning
- Trainings & simulations
- Awareness



Response:

- Assessment

Recovery:

- Building back better

Preparedness

Contingency planning, training, and awareness raising on the impacts of environmental emergencies

Industrial hazard mapping

Environmental Emergencies
Centre (EEC)

Integration of environmental
factors into disaster risk
reduction

Preparedness trainings



Recent activities

Integration of industrial hazards into disaster risk reduction and educational curricula in Armenia

Use of the Flash Environmental Assessment Tool methodology to identify industrial hazards

Integration of technological hazards into risk passports, educational curricula

Training of trainers on industrial risk using FEAT methodology



Recent activities

Chemical / industrial accident risks and preparedness around city of Toamasina

Madagascar, 2013-2014



- Joint JEU / European Commission missions to assess risks and capacities around Ambatovy mining site (cobalt, nickel) and Toamasina port
- Based on two scoping missions, abandoned and corroded ammonia containers presenting a risk to nearby communities were neutralized
- Future national chemical / industrial accidents program under discussion, including signing of conventions

Environmental Emergencies Centre



<http://www.eecentre.org>

Latest News

Reliefweb Newsfeed

Upcoming Events

Essential Tools

Register for online learning modules



Trainings

The JEU develops introductory and advanced trainings on a variety of environmental emergency preparedness and response topics

Workshops and
trainings

EEC eLearning
modules



eLearning modules available at www.eecentre.org

Response

In the first hours after an environmental emergency, the JEU can mobilise experts and equipment to the affected area

Rapid deployment of experts

Rapid environmental
assessments

Onsite sampling and analysis



Recent activities

During the Balkan floods, major industrial estates were flooded posing a risk to the population.



Aerial photo of Serbia floods,
May 2014 (credit: UNDAC)

Two UNDAC-trained environmental experts embedded in the UNDAC team

Environmental assessment of flooded industrial sites

Flood assessment/movement analysis

Geohazard expert supported UNCT in addressing risks from landslides

PDNA of flooded areas undertaken with UNDAC assessment inputs

Cooperation between JEU and the Convention on the Transboundary Effects of Industrial Accidents

The JEU and the Convention collaborate closely on a number of important issues:

Development, review and use of the Flash Environmental Assessment Tool (FEAT)

Introduction to Industrial Accidents (on-line training course) produced in collaboration, available in 3 languages

Partnering in developing guidelines and tools

Joint advocacy



JEU Summary

- Global partnership network: regional and country offices of UNEP and OCHA
- Services at no-cost to Member States
- Links to response and humanitarian communities
- Combines OCHA's humanitarian coordination mechanism with UNEP's environmental/technical expertise
- Access to partners' methodologies, guidance materials, etc.
- Access to global network of environmental experts and deployment individually or within UNDAC system

Mangroves showing new growth after an oil spill, Bangladesh © Joint UNEP/OCHA



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www.unocha.org/unep
www.eecentre.org

