



Swedish Civil  
Contingencies  
Agency

## Identification of secondary environmental risks – HIT pilot mission to Kenya



8th Meeting  
of the Advisory Group on  
Environmental Emergencies

6 - 8 May 2009  
Brussels, Belgium

## Background

- Hazard Identification Tool (HIT) developed to identify “big and obvious” secondary environmental risks in the context of natural disasters;
- Need to validate the HIT;
- At RIWG meeting in Tunis, December 2007, Kenya and Sweden discussed to field test it
- Phase I: Scoping mission 1-10 Dec. 2008;
- Phase II: Mapping of environmental hazards in Kenya.

## Phase I - Objective

- Assess the ability of HIT to identify “big and obvious” secondary environmental risks in Kenya;
  - Verify the information compiled in the HIT;
  - Identify additional sites.
- Identify needs/scope of Phase II

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## Phase I – Methodology and scope

- Pre-mission: prepare HIT
- Mission:
  - Visits to representative facilities (Nairobi, Mombasa, Rift Valley) to identify scope of follow-up mission;
  - Establish contacts with relevant partners.

Hazard Identification Tool Pilot mission – Kenya – December 2008				
List of Hazards				
Location	Actual Hazard			Estimated Impact Type
	Facility	Substances	Hazard Type	
				

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## Phase I – Facilities identified & representative facilities visited

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- **Airports;**
- Hydro dams;
- **Mining;**
- **Oil and gas production;**
- **Cement production;**
- Production of chemicals;
- Glass production;
- Fish farming;
- Production of paper and pulp.

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## Phase I – Conclusions & Recommendations

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- HIT is a valuable response tool;
- HIT identified the vast majority of “big and obvious facilities” in Kenya;
- HIT data should be plotted on a map to increase user friendliness by visualization;
- HIT has potential to be used as a first step in the process of mapping environmental risks.

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## Hazard map of Kenya based on Phase I



## Phase II – Mapping of environmental risks

- Close collaboration with national authorities;
- Identify all sites to be mapped;
- Collect GPS data on all relevant sites in country;
- Create map based on data collected.

## Way forward

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- Kenya – carry out Phase II
- Other countries?  
AGEE could propose additional countries to be mapped based on Kenya experience – funding would be needed.

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THANK YOU!

